API

Authentication

Authentication

To use the Fastly API you will need to create a valid API token. This token will be used to authenticate your API requests.

API tokens

API tokens are unique authentication identifiers that you can create for the users and applications authorized to interact with your account and services. You can limit the capabilities of tokens using a scope. For example, the `purge_select` scope will limit a token to only be able to purge by URL and surrogate keys. The default `global` scope will grant the token access to all the service and account-level capabilities of the user that created the token. You can optionally restrict the service-level access of a token to one or more services. However, for a token with the `global` or `global:read` scope, limiting service access does not limit access to non-service related endpoints. Because users can create multiple API tokens, you can rotate tokens without taking services offline, and you can revoke individual tokens without having to update other API integrations.

Managing tokens with the web interface

You can use the Fastly web interface to create, view, and delete API tokens associated with your personal account. Superusers can view and delete any of the API tokens associated with the organization’s Fastly account. See Using API tokens for more information.

Two-factor authentication

API tokens support two-factor authentication. Send the generated one-time password via the Fastly-OTP header when creating a token, as shown below.

```plaintext
1 POST https://api.fastly.com/tokens
2 Fastly-OTP: 123456
3 username=youremail@example.com&password=PASSWORD
```

Availability

All endpoints that support the legacy API keys also support API tokens. In addition to checking if the user is authenticated, the API will check if the user’s role is authorized to perform the requested action. For example, billing endpoints will require an API token issued by a billing user (or superuser).

Access

You can limit a token’s capabilities using scopes, and you can limit a token’s authorizations by defining only those services you want it to access. Limiting a token’s service access does not prevent the token from accessing non-service related endpoints.

Scopes

Scopes can be used to limit a token’s capabilities. The following scopes are currently supported:

- `global`: This is the default scope covering all supported capabilities. This scope grants the same access level as legacy API keys.
- `purge_select`: Allows purging with surrogate key and URL. Disallows purging with purge all.
- `purge_all`: Allows purging an entire service via `purge_all`.
- `global:read`: Allows read-only access to account information, configuration, and stats.

To create a token with a single scope, specify the scope name in the body of the POST request. To create a token with multiple scopes, separate the names with a space (e.g., `scope=purge_all purge_select global:read`).

Services

Tokens are granted access to all services in an account by default. However, you can optionally restrict the service-level access of a token to one or more services. Do this by specifying an array in the POST `/tokens` action (e.g., `services[]=id1&services[]=id2`).

Note that limiting service access is designed to be used with the `purge-all` and `purge-select` scopes. A service-limited token with the `global` or `global:read` scopes will still be able to access non-service related endpoints. All service-limited tokens are prevented from modifying service authorizations, inviting new users to the account, and creating and modifying users.
Expiration
You can optionally set API tokens to expire at a specified date and time. After a token expires, using it for any request will return an HTTP 401 response. Specify the expiration date by using the `expires_at` parameter in the POST `/tokens` action. Format the date and time in ISO 8601 format (e.g., 2016-07-28T19:24:50+00:00).

Using API tokens
To authenticate API requests, a valid Fastly API token should be included in the `Fastly-Key` HTTP header.

Deleting a user with active tokens
To delete a user who has active API tokens associated with their account, you must first revoke the user’s API tokens.

Limitations
API tokens currently have the following limitations:

- Tokens are always associated with the user who created them. This cannot be updated.
- When you generate a new token, you should store it in a safe place and keep it secret. For security reasons, you won’t be able to retrieve the token later.
- There is a limit of 100 tokens per user. Deleted and expired tokens don’t count against the limit.
- Tokens carry the same permission model as the user. For example, if you are a billing user, then your token will only allow you to perform the capabilities of the billing role.

API reference
Tokens
Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>string</td>
<td>The alphanumeric string identifying a token.</td>
</tr>
<tr>
<td>user_id</td>
<td>string</td>
<td>The alphanumeric string identifying a user.</td>
</tr>
<tr>
<td>services</td>
<td>array</td>
<td>List of alphanumeric strings identifying services (optional). If no services are specified, the token will have access to all services on the account.</td>
</tr>
<tr>
<td>access_token</td>
<td>string</td>
<td>The alphanumeric string for accessing the API (only available on token creation).</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the token.</td>
</tr>
<tr>
<td>scope</td>
<td>string</td>
<td>Space-delimited list of authorization scope (optional, defaults to “global”).</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (UTC) of when the token was created.</td>
</tr>
<tr>
<td>last_used_at</td>
<td>string</td>
<td>(read-only) Time-stamp (UTC) of when the token was last used.</td>
</tr>
<tr>
<td>expires_at</td>
<td>string</td>
<td>Time-stamp (UTC) of when the token will expire (optional).</td>
</tr>
<tr>
<td>ip</td>
<td>string</td>
<td>IP Address of the client that last used the token.</td>
</tr>
<tr>
<td>user_agent</td>
<td>string</td>
<td>User-Agent header of the client that last used the token.</td>
</tr>
</tbody>
</table>

Actions
GET `/tokens`

List all tokens belonging to the authenticated user.

Authentication
`API token`.

Request Example

```
GET /tokens HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```
GET /customer/:id/tokens

List all tokens belonging to a specific customer

Authentication
API token.

Request Example

```
GET /customer/:id/tokens HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

[
{
  "id": "5Yo3XXnrOpjcZ0uyhbrf2g",
  "user_id": "4y5K3trpoçEAQVkesWlk7M",
  "services": [],
  "name": "my_token",
  "scope": "global",
  "created_at": "2016-06-22T03:19:48+00:00",
  "last_used_at": "2016-06-22T03:19:48+00:00",
  "expires_at": "2016-07-28T19:24:50+00:00",
  "ip": "127.17.202.173",
  "user_agent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_12_3) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/56.0.2924.87 Safari/537.36"
}
]
```

GET /tokens/self

Get a single token based on the access_token used in the request.

Authentication
API token.

Request Example

```
GET /tokens/self HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

[
{
  "id": "5Yo3XXnrOpjcZ0uyhbrf2g",
  "user_id": "4y5K3trpoçEAQVkesWlk7M",
  "services": [],
  "name": "my_token",
  "scope": "global",
  "created_at": "2016-06-22T03:19:48+00:00",
  "last_used_at": "2016-06-22T03:19:48+00:00",
  "expires_at": "2016-07-28T19:24:50+00:00",
  "ip": "127.17.202.173",
  "user_agent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_12_3) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/56.0.2924.87 Safari/537.36"
}
]
POST /tokens

Create an API token. If two-factor authentication is enabled for your account, review the instructions for including a one-time password in the request.

Authentication

Username and password.

Request Example

```bash
POST /tokens HTTP/1.1
Content-Type: application/x-www-form-urlencoded
Accept: application/json

"username=me@example.com&password=secret&services[]=5VqE6MOOy1QFJbgmCK41pY&services[]=6VqE6MOOy1QFJbgmCK41pZ&expires_at=2016-07-28T19:24:50Z"
```

Response Example

```json
HTTP/1.1 200 OK
Content-Type: application/json

{
  "id": "5Yo3XXnrQpjc20u0ybrf2g",
  "user_id": "4y5K5tr3ocEAQYkesWlk7M",
  "services": [],
  "name": "my_token",
  "scope": "global",
  "created_at": "2016-06-22T03:19:48+00:00",
  "last_used_at": "2016-06-22T03:19:48+00:00",
  "expires_at": "2016-07-28T19:24:50+00:00",
  "ip": "127.17.202.173",
  "user_agent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_12_3) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/56.0.2924.87 Safari/537.36"
}
```

DELETE /tokens/self

Revoke a token that is used to authenticate the request.

Authentication

API token.

Request Example

```bash
DELETE /tokens/self HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```json
HTTP/1.1 204 No Content
Content-Type: application/json

```

DELETE /tokens/id


Revoke a specific token by its id.

Authentication
API token.

Request Example

```plaintext
DELETE /tokens/5Yo3XXKnrQpjc20u0ybrf2g HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```plaintext
HTTP/1.1 204 No Content
Content-Type: application/json
```

DELETE /tokens

Revoke Tokens in bulk format. Users may only revoke their own tokens. Superusers may revoke tokens of others.

Authentication
API token.

Request Example

```plaintext
DELETE /tokens HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json; ext=bulk
Content-Type: application/vnd.api+json; ext=bulk
```

```json
{
  "data" => [
    {
      "id" => "3krg2uUGIz2bW9Bu04moOY",
      "type" => "token",
    },
    {
      "id" => "71ZA6hv2FO6tGEQIE203Xj",
      "type" => "token",
    }
  ]
}
```

Response Example

```plaintext
HTTP/1.1 204 No Content
Content-Type: application/vnd.api+json; ext=bulk
```

Troubleshooting

If the Fastly API returns an error message while you're working with API tokens, use the following information to troubleshoot the issue.

POST /tokens

A response with a JSON body containing an error code is returned on error.

<table>
<thead>
<tr>
<th>HTTP response code</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>invalid_grant</td>
<td>The supplied username/password combination is not correct.</td>
</tr>
<tr>
<td>400</td>
<td>invalid_request</td>
<td>The username/password combination is not supplied. If you're using cURL on the command line, make sure the options are correct.</td>
</tr>
<tr>
<td>400</td>
<td>invalid_scope</td>
<td>The supplied scope is not valid.</td>
</tr>
<tr>
<td>400</td>
<td>account_locked</td>
<td>Your account is locked.</td>
</tr>
<tr>
<td>400</td>
<td>2fa.verify</td>
<td>Your 2FA token is not supplied or is expired.</td>
</tr>
</tbody>
</table>
HTTP response code | Code    | Description                                                                                                                                 |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>422</td>
<td>Unprocessable Entity</td>
<td>The format of the date and time supplied to the <code>expires_at</code> parameter is invalid.</td>
</tr>
</tbody>
</table>

**GET /tokens**
- An HTTP 401 response is returned on expired token.
- An HTTP 403 response is returned on invalid access token.

**GET /tokens/self**
- An HTTP 401 response is returned on expired token.
- An HTTP 403 response is returned on invalid access token.

**DELETE /tokens/:token_id**
- An HTTP 400 response is returned on revocation error.
- An HTTP 401 response is returned on expired token.
- An HTTP 403 response is returned on invalid access token.
- An HTTP 404 response is returned on failed token lookup.

**DELETE /tokens/self**
- An HTTP 400 response is returned on revocation error.
- An HTTP 401 response is returned on expired token.
- An HTTP 403 response is returned on invalid access token.

**Legacy API keys**
If you created a Fastly account before May 15th, 2017, you may have used an API key (or multiple API keys) to authenticate API requests. This account-level credential was migrated to a personal API token with a `global` scope and access to all of your services. Because all tokens need to be owned by a user, this credential was assigned to a newly created, synthetic user with the name *Global API Token*.

**Account**

**Billing**
Get information on current and past bills.

**Fields**

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>end_time</td>
<td>string</td>
<td>The end date of this invoice.</td>
</tr>
<tr>
<td>invoice_id</td>
<td>string</td>
<td>The alphanumeric string identifying the specified invoice.</td>
</tr>
<tr>
<td>start_time</td>
<td>string</td>
<td>The start date of this invoice.</td>
</tr>
<tr>
<td>status.sent_at</td>
<td>string</td>
<td>(Deprecated) When the invoice was sent out (Outstanding or Paid).</td>
</tr>
<tr>
<td>status.status</td>
<td>string</td>
<td>What the current status of this invoice can be. One of Pending (being generated), Outstanding (unpaid), Paid (paid), Month to date (the current month).</td>
</tr>
<tr>
<td>total.bandwidth</td>
<td>integer</td>
<td>The total amount of bandwidth used this month (See bandwidth_units for measurement).</td>
</tr>
<tr>
<td>total.bandwidth_cost</td>
<td>integer</td>
<td>The cost of the bandwidth used this month in USD.</td>
</tr>
<tr>
<td>total.bandwidth_units</td>
<td>string</td>
<td>Bandwidth measurement units based on billing plan. Ex: GB</td>
</tr>
<tr>
<td>total.cost</td>
<td>integer</td>
<td>The final amount to be paid.</td>
</tr>
</tbody>
</table>
**FIELD** | **TYPE** | **DESCRIPTION**
--- | --- | ---
`total.cost_before_discount` | `integer` | Total incurred cost plus extras cost.
`total.discount` | `integer` | Calculated discount rate.
`total.extras` | `string` | A list of any extras for this invoice.
`total.extras_cost` | `integer` | Total cost of all extras.
`total.extras.name` | `string` | The name of this extra cost.
`total.extras.recurring` | `integer` | Recurring monthly cost in USD (not present if $0.0).
`total.extras.setup` | `integer` | Initial set up cost in USD (not present if $0.0 or this is not the month the extra was added).
`total.incurred_cost` | `integer` | The total cost of bandwidth and requests used this month.
`total.overage` | `integer` | How much over the plan minimum has been incurred.
`total.plan_code` | `string` | The short code the plan this invoice was generated under.
`total.plan_minimum` | `integer` | The minimum cost of this plan.
`total.plan_name` | `string` | The name of the plan this invoice was generated under.
`total.requests` | `integer` | The total number of requests used this month.
`total.requests_cost` | `integer` | The cost of the requests used this month.
`total.terms` | `string` | Payment terms. Almost always Net15.

### Actions

**GET** /billing/v2/year/ `year` /month/ `month`

Get the invoice for a given year and month. Can be any month from when the Customer was created to the current month.

**Authentication**

API token of a user with at least [billing permissions](https://docs.fastly.com/api/aio).

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>month</td>
<td><code>integer</code></td>
<td>2-digit month.</td>
</tr>
<tr>
<td>year</td>
<td><code>integer</code></td>
<td>4-digit year.</td>
</tr>
</tbody>
</table>

**Request Example**

```
GET /billing/v2/year/2012/month/01  HTTP/1.1
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json
```
{  "customer_id": "23me2JR3SksvKdEXHri",  "end_time": "2016-05-31T23:59:59Z",  "invoice_id": 4183280,  "line_items": [    {      "amount": 0.0,      "aria_invoice_id": "7SlAE8xcJ2xzH0v4vq9y9X",      "client_service_id": "Master Plan",      "created_at": "2017-04-03T20:27:05Z",      "credit_coupon_code": null,      "deleted_at": null,      "description": "Master Plan",      "id": "IDC3idU711cAhte51gf0Y",      "line_number": 1,      "plan_name": "Master Plan - Fastly US - M2M",      "plan_no": 18842,      "rate_per_unit": 0.0,      "rate_schedule_no": 339216,      "rate_schedule_tier_no": 1,      "service_name": "Master Plan",      "service_no": 11003478,      "units": 1.0,      "updated_at": "2017-04-03T20:27:05Z",      "usage_type_cd": null,      "usage_type_no": null    },    {      "amount": 50.0,      "aria_invoice_id": "7SlAE8xcJ2xzH0v4vq9y9X",      "client_service_id": "Committed Amount",      "created_at": "2017-04-03T20:27:05Z",      "credit_coupon_code": null,      "deleted_at": null,      "description": "Monthly Minimum Fee",      "id": "7b88PvTjkDAMeQyTs445Fr",      "line_number": 2,      "plan_name": "CDN",      "plan_no": 18844,      "rate_per_unit": 50.0,      "rate_schedule_no": null,      "rate_schedule_tier_no": null,      "service_name": "Commit Shortfall",      "service_no": 11003591,      "units": 1.0,      "updated_at": "2017-04-03T20:27:05Z",      "usage_type_cd": null,      "usage_type_no": null    },    {      "amount": 100.0,      "aria_invoice_id": "7SlAE8xcJ2xzH0v4vq9y9X",      "client_service_id": "Shared_TLS_Certificate",      "created_at": "2017-04-03T20:27:05Z",      "credit_coupon_code": null,      "deleted_at": null,      "description": "Shared TLS Certificate",      "id": "6ExyxwQ9wH0vB9f1h18FJn",      "line_number": 3,      "plan_name": "Shared TLS Certificate",      "plan_no": 189920,      "rate_per_unit": 100.0,      "rate_schedule_no": 345595,      "rate_schedule_tier_no": 1,      "service_name": "Shared TLS Certificate",      "service_no": 11003459,      "units": 1.0,      "updated_at": "2017-04-03T20:27:05Z",      "usage_type_cd": null,      "usage_type_no": null    },    {      "amount": -50.0,      "aria_invoice_id": "7SlAE8xcJ2xzH0v4vq9y9X",      "client_service_id": "Committed Amount",      "created_at": "2017-04-03T20:27:05Z",      "credit_coupon_code": "developer",      "deleted_at": null,      "description": "100% off coupon",      "id": "6b9TYZegr2eKIPxdGIUBdX",      "line_number": 4,      "plan_name": "CDN",      "plan_no": 18844,    }  ]}
GET /billing/v2/account_customers/ customer_id /mtd_invoice

Get the current month-to-date estimate.

This endpoint has two different responses. Under normal circumstances, it generally takes less than 5 seconds to generate but in
certain cases can take up to 60 seconds. Once generated the month-to-date estimate is cached for 4 hours, and is available the next request will return the JSON representation of the month-to-date estimate.

While a report is being generated in the background, this endpoint will return a 202 Accepted response. The full format of which can be found in detail in our billing calculation guide.

There are certain accounts for which we are unable to generate a month-to-date estimate. For example, accounts who have parent-pay are unable to generate an MTD estimate. The parent accounts are able to generate a month-to-date estimate but that estimate will not include the child accounts amounts at this time.

Authentication

**API token** of a user with at least Billing permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>month</td>
<td>integer</td>
<td>2-digit month.</td>
</tr>
<tr>
<td>year</td>
<td>integer</td>
<td>4-digit year.</td>
</tr>
</tbody>
</table>

Request Example

GET /billing/v2/account_customers/x4CwxzJxGc123Rx5xTx/mtd_invoice HTTP/1.1

Response Example

HTTP/1.1 200 OK
Content-Type: application/json
"customer_id": "x4xWxkZxGCx12RxxSxTx",
"end_time": "2018-02-21T21:32:51+00:00",
"start_time": "2018-02-01T00:00:00+00:00",
"invoice_id": "MTD_4EKCAIeWZowCL4E83J1v",
"regions": {
  "usa": {
    "cost": 10.04,
    "bandwidth": {
      "total": 7.45,
      "tiers": [
        { "name": "North America Bandwidth (62.055127895 gigabytes @ $0.12)",
          "units": 62.055127895,
          "price": 0.12,
          "discounted_price": 0.12,
          "total": 7.45
        ]
    },
    "requests": {
      "total": 2.59,
      "tiers": [
        { "name": "North America Requests (344.7019 units @ $0.0075)",
          "units": 344.7019,
          "price": 0.0075,
          "discounted_price": 0.0075,
          "total": 2.59
        ]
      ]
    }
  },
  "south_africa": {
    "cost": 0.9,
    "bandwidth": {
      "total": 0.78,
      "tiers": [
        { "name": "South Africa Bandwidth (2.787144368 gigabytes @ $0.28)",
          "units": 2.787144368,
          "price": 0.28,
          "discounted_price": 0.28,
          "total": 0.78
        ]
      }
    },
    "requests": {
      "total": 0.12,
      "tiers": [
        { "name": "South Africa Requests (7.8014 units @ $0.016)",
          "units": 7.8014,
          "price": 0.016,
          "discounted_price": 0.016,
          "total": 0.12
        ]
      ]
    }
  }
},
"status": {
  "status": "MTD"
},
"total": {
  "cost": 54.019999999999996,
  "balance_forward": 0,
  "cached_at": "2018-02-21 20:26:18 UTC",
  "requests": 1763.3852000000004,
  "requests_cost": 15.609999999999998,
  "bandwidth": 266.252585978,
  "bandwidth_cost": 38.41,
  "percentile": 0,
  "percentile_cost": 0,
  "commit_shortfall": 0,
  "discount": 0,
  "discount_amount": 0,
  "incurred_cost": 54.019999999999996,
  "overage": 0,
  "cost_before_discount": 54.019999999999996,
  "extras": [],
  "extras_cost": 0,
  "bandwidth_units": null
`lines`: [ 
  { 
    'plan_no': 286, 
    'description': 'North America Bandwidth (62.055127895 gigabytes @ $.12)', 
    'units': 62.055127895, 
    'per_unit_cost': 0.120000, 
    'service_no': 11000335, 
    'service_type': 'Bandwidth', 
    'amount': 7.45, 
    'client_service_id': 'North_America_Bandwidth', 
    'client_plan_id': 'CDN' 
  }, 
  { 
    'plan_no': 286, 
    'description': 'Europe Bandwidth (125.465421816 gigabytes @ $.12)', 
    'units': 125.465421816, 
    'per_unit_cost': 0.120000, 
    'service_no': 11000336, 
    'service_type': 'Bandwidth', 
    'amount': 15.06, 
    'client_service_id': 'Europe_Bandwidth', 
    'client_plan_id': 'CDN' 
  }, 
  { 
    'plan_no': 286, 
    'description': 'Australia Bandwidth (3.305279657 gigabytes @ $.19)', 
    'units': 3.305279657, 
    'per_unit_cost': 0.190000, 
    'service_no': 11000337, 
    'service_type': 'Bandwidth', 
    'amount': 0.63, 
    'client_service_id': 'Australia_Bandwidth', 
    'client_plan_id': 'CDN' 
  }, 
  { 
    'plan_no': 286, 
    'description': 'Asia Bandwidth (65.085918133 gigabytes @ $.19)', 
    'units': 65.085918133, 
    'per_unit_cost': 0.190000, 
    'service_no': 11000338, 
    'service_type': 'Bandwidth', 
    'amount': 12.37, 
    'client_service_id': 'Asia_Bandwidth', 
    'client_plan_id': 'CDN' 
  }, 
  { 
    'plan_no': 286, 
    'description': 'Latin America Bandwidth (7.553694109 gigabytes @ $.28)', 
    'units': 7.553694109, 
    'per_unit_cost': 0.280000, 
    'service_no': 11000339, 
    'service_type': 'Bandwidth', 
    'amount': 2.12, 
    'client_service_id': 'Latin_America_Bandwidth', 
    'client_plan_id': 'CDN' 
  }, 
  { 
    'plan_no': 286, 
    'description': 'North America Requests (344.7019 units @ $.0075)', 
    'units': 344.7019, 
    'per_unit_cost': 0.007500, 
    'service_no': 11000347, 
    'service_type': 'Requests', 
    'amount': 2.59, 
    'client_service_id': 'North_America_Requests', 
    'client_plan_id': 'CDN' 
  }, 
  { 
    'plan_no': 286, 
    'description': 'Europe Requests (900.2602 units @ $.009)', 
    'units': 900.2602, 
    'per_unit_cost': 0.009000, 
    'service_no': 11000340, 
    'service_type': 'Requests', 
    'amount': 8.07, 
    'client_service_id': 'Europe_Requests', 
    'client_plan_id': 'CDN' 
  }]}
'units': 900.2602,
'per_unit_cost': 0.009000,
'service_no': 11000348,
'service_type': 'Requests',
'amount': 8.10,
'client_service_id': 'Europe_Requests',
'client_plan_id': 'CDN'

'},

'line': {
  'plan_no': 286,
  'description': "Australia Requests (22.902 units @ $.009)",
  'units': 22.902,
  'per_unit_cost': 0.009000,
  'service_no': 11000349,
  'service_type': 'Requests',
  'amount': 0.21,
  'client_service_id': 'Australia_Requests',
  'client_plan_id': 'CDN'
}
},

'line': {
  'plan_no': 286,
  'description': "Asia Requests (459.5082 units @ $.009)",
  'units': 459.5082,
  'per_unit_cost': 0.009000,
  'service_no': 11000350,
  'service_type': 'Requests',
  'amount': 4.14,
  'client_service_id': 'Asia_Requests',
  'client_plan_id': 'CDN'
}
},

'line': {
  'plan_no': 286,
  'description': "Latin America Requests (28.2115 units @ $.016)",
  'units': 28.2115,
  'per_unit_cost': 0.016000,
  'service_no': 11000352,
  'service_type': 'Requests',
  'amount': 0.45,
  'client_service_id': 'Latin_America_Requests',
  'client_plan_id': 'CDN'
}
},

'line': {
  'plan_no': 286,
  'description': "South Africa Bandwidth (2.787144368 gigabytes @ $.28)",
  'units': 2.787144368,
  'per_unit_cost': 0.280000,
  'service_no': 11000438,
  'service_type': 'Bandwidth',
  'amount': 0.78,
  'client_service_id': 'South_Africa_Bandwidth',
  'client_plan_id': 'CDN'
}
},

'line': {
  'plan_no': 286,
  'description': "South Africa Requests (7.8014 units @ $.016)",
  'units': 7.8014,
  'per_unit_cost': 0.016000,
  'service_no': 11000440,
  'service_type': 'Requests',
  'amount': 0.12,
  'client_service_id': 'South_Africa_Requests',
  'client_plan_id': 'CDN'
}
}
# Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>address_1</td>
<td>string</td>
<td>The first address line.</td>
</tr>
<tr>
<td>address_2</td>
<td>string</td>
<td>The second address line.</td>
</tr>
<tr>
<td>city</td>
<td>string</td>
<td>The city name.</td>
</tr>
<tr>
<td>state</td>
<td>string</td>
<td>The state or province name.</td>
</tr>
<tr>
<td>locality</td>
<td>string</td>
<td>Other locality.</td>
</tr>
<tr>
<td>country</td>
<td>string</td>
<td>ISO 3166-1 two-letter country code.</td>
</tr>
<tr>
<td>postal_code</td>
<td>string</td>
<td>Postal code (ZIP code for US addresses).</td>
</tr>
</tbody>
</table>

## Actions

**GET /customer/ customer_id /billing_address**

Get a customer’s billing address.

**Authentication**

API token.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>customer_id</td>
<td>string</td>
<td>The customer ID.</td>
</tr>
</tbody>
</table>

**Request Example**

```
GET /customer/x4xCwxxJxGCx123Rx5xTx/billing_address HTTP/1.1
Content-Type: application/vnd.api+json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```

```json
{
    "data": {
        "id": "3DWpamEUGISvrUlDNKesQ",
        "type": "billing_address",
        "attributes": {
            "address_1": "80719 Dorothea Mountain",
            "address_2": "Apt. 652",
            "city": "New Rasheedville",
            "country": "US",
            "created_at": "2016-06-09T18:30+00:00",
            "locality": "",
            "postal_code": "53538-5902",
            "state": "DE",
            "updated_at": "2016-06-09T18:30+00:00"
        },
        "relationships": {
            "customer": {
                "data": {
                    "type": "customer",
                    "id": "x4xCwxxJxGCx123Rx5xTx"
                }
            }
        }
    }
}
```

**POST /customer/ customer_id /billing_address**

Add a billing address to a customer.

**Authentication**

API token.
# PATCH /customer/ [customer_id] /billing_address

Update a customer's billing address. You may update only part of the customer’s billing address.

### Authentication

**API token.**

### Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>customer_id</td>
<td>string</td>
<td>The customer ID.</td>
</tr>
</tbody>
</table>

### Request Example

```
PATCH /customer/x4xCwxxJxGCx123Rx5xTx/billing_address HTTP/1.1
Content-Type: application/vnd.api+json

{
    "data": {
        "type": "billing_address",
        "id": "BILLING_ADDRESS_ID",
        "address": {
            "address_1": "80719 Dorothea Mountain",
            "address_2": "Apt. 652",
            "city": "New Rasheedville",
            "state": "DE",
            "country": "US",
            "postal_code": "53538-5902"
        }
    },
    "relationships": {
        "customer": {
            "data": {
                "type": "customer",
                "id": "x4xCwxxJxGCx123Rx5xTx"
            }
        }
    }
}
```
```json
{
  "data": {
    "type": "billing_address",
    "id": "BILLING_ADDRESS_ID",
    "address": {
      "state": "MN"
    }
  }
}
```

**Response Example**

**HTTP/1.1 200 OK**

```
Content-Type: application/vnd.api+json
```

```
{
  "data": {
    "type": "billing_address",
    "id": "BILLING_ADDRESS_ID",
    "address": {
      "address_1": "80719 Dorothea Mountain",
      "address_2": "Apt. 652",
      "city": "New Rasheedville",
      "state": "MN",
      "country": "US",
      "postal_code": "53518-5902"
    },
    "relationships": {
      "customer": {
        "data": {
          "type": "customer",
          "id": "x4xCwxxJxGCx123Rx5xTx"
        }
      }
    }
  }
}
```

**DELETE** `/customer/ customer_id /billing_address`

Delete a customer's billing address.

**Authentication**

API token.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>customer_id</td>
<td>string</td>
<td>The customer ID.</td>
</tr>
</tbody>
</table>

**Request Example**

```
DELETE /customer/x4xCwxxJxGCx123Rx5xTx/billing_address HTTP/1.1
Content-Type: application/vnd.api+json
```

**Response Example**

**HTTP/1.1 204 No Content**

```
Content-Type: application/vnd.api+json
```

**Customer**

A Customer is the base object that owns your Users and Services

**Fields**

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>billing_contact_id</td>
<td>string</td>
<td>The alphanumeric string representing the primary billing contact.</td>
</tr>
<tr>
<td>billing_network_type</td>
<td>string</td>
<td>Customer's current network revenue type. Can be Public or Private.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-----------------------</td>
<td>-----------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>billing_ref</td>
<td>string</td>
<td>Used for adding purchased orders to customer’s account.</td>
</tr>
<tr>
<td>can_configure_wordpress</td>
<td>boolean</td>
<td>Whether this customer can view or edit wordpress. Read Only.</td>
</tr>
<tr>
<td>can_reset_passwords</td>
<td>boolean</td>
<td>Whether this customer can reset passwords. Read Only.</td>
</tr>
<tr>
<td>can_upload_vcl</td>
<td>boolean</td>
<td>Whether this customer can upload VCL. Read Only.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the customer was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the customer was deleted.</td>
</tr>
<tr>
<td>force_2fa</td>
<td>boolean</td>
<td>Specifies whether 2FA is forced or not forced on the customer account. Logs out non-2FA users once 2FA is force enabled.</td>
</tr>
<tr>
<td>force_sso</td>
<td>boolean</td>
<td>Specifies whether SSO is forced or not forced on the customer account.</td>
</tr>
<tr>
<td>has_account_panel</td>
<td>boolean</td>
<td>Specifies whether the account has access or does not have access to the account panel.</td>
</tr>
<tr>
<td>has_improved_events</td>
<td>boolean</td>
<td>Specifies whether the account has access or does not have access to the improved events.</td>
</tr>
<tr>
<td>has_improved_ssl_config</td>
<td>boolean</td>
<td>Whether this customer can view or edit the ssl config. Read Only.</td>
</tr>
<tr>
<td>has_openstack_logging</td>
<td>boolean</td>
<td>Specifies whether the account has enabled or not enabled openstack logging.</td>
</tr>
<tr>
<td>has_pci</td>
<td>boolean</td>
<td>Specifies whether the account can edit PCI for a service.</td>
</tr>
<tr>
<td>has_pci_passwords</td>
<td>boolean</td>
<td>Specifies whether PCI passwords are required for the account. Read only.</td>
</tr>
<tr>
<td>id</td>
<td>string</td>
<td>The alphanumeric string identifying the customer.</td>
</tr>
<tr>
<td>ip_whitelist</td>
<td>string</td>
<td>The range of IP addresses authorized to access the customer account.</td>
</tr>
<tr>
<td>legal_contact_id</td>
<td>string</td>
<td>The alphanumeric string identifying the account’s legal contact.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the customer, generally the company name.</td>
</tr>
<tr>
<td>owner_id</td>
<td>string</td>
<td>The alphanumeric string identifying the account owner.</td>
</tr>
<tr>
<td>phone_number</td>
<td>string</td>
<td>The phone number associated with the account.</td>
</tr>
<tr>
<td>postal_address</td>
<td>string</td>
<td>The postal address associated with the account.</td>
</tr>
<tr>
<td>pricing_plan</td>
<td>string</td>
<td>The pricing plan this customer is under.</td>
</tr>
<tr>
<td>pricing_plan_id</td>
<td>string</td>
<td>The alphanumeric string identifying the pricing plan.</td>
</tr>
<tr>
<td>readonly</td>
<td>boolean</td>
<td></td>
</tr>
<tr>
<td>requires_support_email</td>
<td>boolean</td>
<td></td>
</tr>
<tr>
<td>security_contact_id</td>
<td>string</td>
<td>The alphanumeric string identifying the account’s security contact.</td>
</tr>
<tr>
<td>technical_contact_id</td>
<td>string</td>
<td>The alphanumeric string identifying the account’s technical contact.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the customer was updated.</td>
</tr>
</tbody>
</table>

**Actions**

GET /customer/ id /users

List all users from a specified customer id

**Authentication**

API token.

**Request Example**
GET /customer/4mp6jxt8I5b4be5jHxz0O/users HTTP/1.1
Content-Type: application/x-www-form-urlencoded

**Response Example**

**HTTP/1.1 200 OK**
Content-Type: application/json

```
{
  "created_at": "2016-05-02T17:15:54+00:00",
  "customer_id": "4x5u3xhJxJxGKl33x5xTeX",
  "deleted_at": null,
  "email_hash": "hTE5dRlSBICGPJxJwCH4M",
  "id": "x9KzsrACXz8v8tPw1EDsKb6",
  "locked": false,
  "login": "johnowner@example.com",
  "name": "John Owner",
  "require_new_password": false,
  "role": "user",
  "two_factor_auth_enabled": true,
  "two_factor_setup_required": false,
  "updated_at": "2016-05-21T18:45:00+00:00"
}
```
**GET /customer/** id

Get a specific customer

**Authentication**

API token.

**Request Example**

```
GET /customer/hTE5dR1SBICGFJxJwCH4M HTTP/1.1
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "billing_contact_id": null,
  "billing_network_type": "public",
  "billing_ref": null,
  "can_configure_wordpress": false,
  "can_reset_passwords": true,
  "can_upload_vcl": false,
  "created_at": "2016-06-14T14:43:01+00:00",
  "deleted_at": null,
  "force_2fa": false,
  "force_sso": false,
  "has_account_panel": true,
  "has_improved_events": false,
  "has_improved_ssl_config": false,
  "has_openstack_logging": false,
  "has_pci": false,
  "has_pci_passwords": false,
  "id": "hTE5dR1SBICGFJxJwCH4M",
  "ip_whitelist": "0.0.0.0/0",
  "legal_contact_id": "x9KzsrACXv8tPwIEsKb6",
  "name": "Test Account",
  "owner_id": "x9KzsrACXv8tPwIEsKb6",
  "phone_number": "5555555559",
  "postal_address": null,
  "pricing_plan": "developer",
  "pricing_plan_id": "6HW4welznAHVnMCJhY9QdX",
  "readonly": false,
  "requires_support_email": false,
  "security_contact_id": "x9KzsrACXv8tPwIEsKb6",
  "technical_contact_id": "x9KzsrACXv8tPwIEsKb6",
  "updated_at": "2016-06-14T14:43:01+00:00"
}
```

**PUT /customer/** id

Update a customer

**Authentication**

API token.

**Request Example**

```
PUT /customer/4mp6jxt8I5b4be5jHxZ00 HTTP/1.1
Content-Type: application/x-www-form-urlencoded

name=updated-test-account
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

```
DELETE /customer/ id

Delete a customer

Authentication
API token.

Request Example

DELETE /customer/4mp6jxt825b4be5j1h2xoz00 HTTP/1.1

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}

Event Logs

Event logs are used to audit actions performed by customers. Events can be filtered by user_id, service_id, customer_id, and event_type. Events can be sorted by created_at.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>admin</td>
<td>boolean</td>
<td>Indicates if event was performed by Fastly.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the record was created.</td>
</tr>
<tr>
<td>customer_id</td>
<td>string</td>
<td>ID of the customer who performed the event.</td>
</tr>
<tr>
<td>description</td>
<td>string</td>
<td>Description of the event.</td>
</tr>
<tr>
<td>event_type</td>
<td>string</td>
<td>Type of event. Can be used with filter[event_type]. One of:</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>------------------------</td>
<td>------</td>
<td>-----------------------------------------------------</td>
</tr>
<tr>
<td>api_key.create</td>
<td>-</td>
<td>An API key was created.</td>
</tr>
<tr>
<td>acl.create</td>
<td>-</td>
<td>An access control list was created.</td>
</tr>
<tr>
<td>acl.delete</td>
<td>-</td>
<td>An access control list was deleted.</td>
</tr>
<tr>
<td>acl.update</td>
<td>-</td>
<td>An access control list was updated.</td>
</tr>
<tr>
<td>address.create</td>
<td>-</td>
<td>An address was created.</td>
</tr>
<tr>
<td>address.delete</td>
<td>-</td>
<td>An address was deleted.</td>
</tr>
<tr>
<td>address.update</td>
<td>-</td>
<td>An address was updated.</td>
</tr>
<tr>
<td>backend.create</td>
<td>-</td>
<td>A backend was created.</td>
</tr>
<tr>
<td>backend.delete</td>
<td>-</td>
<td>A backend was deleted.</td>
</tr>
<tr>
<td>backend.update</td>
<td>-</td>
<td>A backend was updated.</td>
</tr>
<tr>
<td>billing.contact_update</td>
<td>-</td>
<td>A billing contact was updated.</td>
</tr>
<tr>
<td>cache_settings.create</td>
<td>-</td>
<td>Cache settings were created.</td>
</tr>
<tr>
<td>cache_settings.delete</td>
<td>-</td>
<td>Cache settings were deleted.</td>
</tr>
<tr>
<td>cache_settings.update</td>
<td>-</td>
<td>Cache settings were updated.</td>
</tr>
<tr>
<td>customer.create</td>
<td>-</td>
<td>A customer was created.</td>
</tr>
<tr>
<td>customer.pricing</td>
<td>-</td>
<td>A customer pricing plan was changed.</td>
</tr>
<tr>
<td>customer.update</td>
<td>-</td>
<td>A customer was updated.</td>
</tr>
<tr>
<td>customer_feature.create</td>
<td>-</td>
<td>A customer feature was created.</td>
</tr>
<tr>
<td>customer_feature.delete</td>
<td>-</td>
<td>A customer feature was deleted.</td>
</tr>
<tr>
<td>director.create</td>
<td>-</td>
<td>A director was created.</td>
</tr>
<tr>
<td>director.delete</td>
<td>-</td>
<td>A director was deleted.</td>
</tr>
<tr>
<td>director.update</td>
<td>-</td>
<td>A director was updated.</td>
</tr>
<tr>
<td>director_backend.create</td>
<td>-</td>
<td>A director backend connection was created.</td>
</tr>
<tr>
<td>director_backend.delete</td>
<td>-</td>
<td>A director backend connection was deleted.</td>
</tr>
<tr>
<td>domain.create</td>
<td>-</td>
<td>A domain was created.</td>
</tr>
<tr>
<td>domain.delete</td>
<td>-</td>
<td>A domain was deleted.</td>
</tr>
<tr>
<td>domain.update</td>
<td>-</td>
<td>A domain was updated.</td>
</tr>
<tr>
<td>feature.create</td>
<td>-</td>
<td>A feature was created.</td>
</tr>
<tr>
<td>feature.delete</td>
<td>-</td>
<td>A feature was deleted.</td>
</tr>
<tr>
<td>feature.update</td>
<td>-</td>
<td>A feature was updated.</td>
</tr>
<tr>
<td>gzip.create</td>
<td>-</td>
<td>A gzip policy was created.</td>
</tr>
<tr>
<td>gzip.delete</td>
<td>-</td>
<td>A gzip policy was deleted.</td>
</tr>
<tr>
<td>gzip.update</td>
<td>-</td>
<td>A gzip policy was updated.</td>
</tr>
<tr>
<td>header.create</td>
<td>-</td>
<td>A header was created.</td>
</tr>
<tr>
<td>header.delete</td>
<td>-</td>
<td>A header was deleted.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>----------------------</td>
<td>------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>header.update</td>
<td>-</td>
<td>A header was updated.</td>
</tr>
<tr>
<td>healthcheck.create</td>
<td>-</td>
<td>A healthcheck was created.</td>
</tr>
<tr>
<td>healthcheck.delete</td>
<td>-</td>
<td>A healthcheck was deleted.</td>
</tr>
<tr>
<td>healthcheck.update</td>
<td>-</td>
<td>A healthcheck was updated.</td>
</tr>
<tr>
<td>invitation.accept</td>
<td>-</td>
<td>An account invitation was accepted.</td>
</tr>
<tr>
<td>invitation.sent</td>
<td>-</td>
<td>An account invitation was sent.</td>
</tr>
<tr>
<td>invoice.failed_payment</td>
<td>-</td>
<td>An invoice payment failed.</td>
</tr>
<tr>
<td>invoice.payment</td>
<td>-</td>
<td>An invoice was paid.</td>
</tr>
<tr>
<td>io_settings.create</td>
<td>-</td>
<td>Image optimization was activated.</td>
</tr>
<tr>
<td>io_settings.delete</td>
<td>-</td>
<td>Image optimization was deactivated.</td>
</tr>
<tr>
<td>io_settings.update</td>
<td>-</td>
<td>Image optimization was updated.</td>
</tr>
<tr>
<td>logging.create</td>
<td>-</td>
<td>A logging event was created.</td>
</tr>
<tr>
<td>logging.delete</td>
<td>-</td>
<td>A logging event was deleted.</td>
</tr>
<tr>
<td>logging.update</td>
<td>-</td>
<td>A logging event was updated.</td>
</tr>
<tr>
<td>pool.create</td>
<td>-</td>
<td>A pool was created.</td>
</tr>
<tr>
<td>pool.delete</td>
<td>-</td>
<td>A pool was deleted.</td>
</tr>
<tr>
<td>pool.update</td>
<td>-</td>
<td>A pool was updated.</td>
</tr>
<tr>
<td>request_settings.create</td>
<td>-</td>
<td>Request settings were created.</td>
</tr>
<tr>
<td>request_settings.delete</td>
<td>-</td>
<td>Request settings were deleted.</td>
</tr>
<tr>
<td>request_settings.update</td>
<td>-</td>
<td>Request settings were updated.</td>
</tr>
<tr>
<td>response_object.create</td>
<td>-</td>
<td>A response object was created.</td>
</tr>
<tr>
<td>response_object.delete</td>
<td>-</td>
<td>A response object was deleted.</td>
</tr>
<tr>
<td>response_object.update</td>
<td>-</td>
<td>A response object was updated.</td>
</tr>
<tr>
<td>rule_status.update</td>
<td>-</td>
<td>A rule status was updated.</td>
</tr>
<tr>
<td>service.move</td>
<td>-</td>
<td>A service was moved between customers.</td>
</tr>
<tr>
<td>service.move_destination</td>
<td>-</td>
<td>The customer to which a service was moved.</td>
</tr>
<tr>
<td>service.move_source</td>
<td>-</td>
<td>The customer from which a service was moved.</td>
</tr>
<tr>
<td>service.purge_all</td>
<td>-</td>
<td>A purge all action was performed.</td>
</tr>
<tr>
<td>service.update</td>
<td>-</td>
<td>A service was updated.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>------</td>
<td>--------------------------------------------------------------</td>
</tr>
<tr>
<td>service_authorization.create</td>
<td>-</td>
<td>A service authorization was created.</td>
</tr>
<tr>
<td>service_authorization.delete</td>
<td>-</td>
<td>A service authorization was deleted.</td>
</tr>
<tr>
<td>service_authorization.update</td>
<td>-</td>
<td>A service authorization was updated.</td>
</tr>
<tr>
<td>tls.bulk_certificate.create</td>
<td>-</td>
<td>A bulk TLS certificate was created.</td>
</tr>
<tr>
<td>tls.bulk_certificate.delete</td>
<td>-</td>
<td>A bulk TLS certificate was deleted.</td>
</tr>
<tr>
<td>tls.bulk_certificate.update</td>
<td>-</td>
<td>A bulk TLS certificate was updated.</td>
</tr>
<tr>
<td>tls.certificate.create</td>
<td>-</td>
<td>A TLS certificate was created.</td>
</tr>
<tr>
<td>tls.certificate.expiration_email</td>
<td>-</td>
<td>Certificate expiration email was sent.</td>
</tr>
<tr>
<td>tls.certificate.update</td>
<td>-</td>
<td>A TLS certificate was updated.</td>
</tr>
<tr>
<td>tls.certificate.delete</td>
<td>-</td>
<td>A TLS certificate was deleted.</td>
</tr>
<tr>
<td>tls.configuration.update</td>
<td>-</td>
<td>TLS configuration was updated.</td>
</tr>
<tr>
<td>tls.private_key.create</td>
<td>-</td>
<td>A private key was created.</td>
</tr>
<tr>
<td>tls.private_key.delete</td>
<td>-</td>
<td>A private key was deleted.</td>
</tr>
<tr>
<td>tls.activation.enable</td>
<td>-</td>
<td>TLS activation was enabled.</td>
</tr>
<tr>
<td>tls.activation.update</td>
<td>-</td>
<td>TLS activation was updated.</td>
</tr>
<tr>
<td>tls.activation.disable</td>
<td>-</td>
<td>TLS activation was disabled.</td>
</tr>
<tr>
<td>tls.globalsign.domain.create</td>
<td>-</td>
<td>A GlobalSign SAN entry was added.</td>
</tr>
<tr>
<td>tls.globalsign.domain.verify</td>
<td>-</td>
<td>GlobalSign SAN entry verification was requested.</td>
</tr>
<tr>
<td>tls.globalsign.domain.delete</td>
<td>-</td>
<td>A GlobalSign SAN entry was deleted.</td>
</tr>
<tr>
<td>tls.subscription.create</td>
<td>-</td>
<td>A TLS subscription was created.</td>
</tr>
<tr>
<td>tls.subscription.delete</td>
<td>-</td>
<td>A TLS subscription was deleted.</td>
</tr>
<tr>
<td>tls.subscription.dns_check_email</td>
<td>-</td>
<td>A TLS subscription renewal DNS check email was sent.</td>
</tr>
<tr>
<td>token.create</td>
<td>-</td>
<td>An API token was created.</td>
</tr>
<tr>
<td>token.destroy</td>
<td>-</td>
<td>An API token was revoked.</td>
</tr>
<tr>
<td>two_factor_auth.disable</td>
<td>-</td>
<td>Two-factor authentication was disabled.</td>
</tr>
<tr>
<td>two_factor_auth.enable</td>
<td>-</td>
<td>Two-factor authentication was enabled.</td>
</tr>
<tr>
<td>user.create</td>
<td>-</td>
<td>A user account was created.</td>
</tr>
<tr>
<td>user.destroy</td>
<td>-</td>
<td>A user account was deleted.</td>
</tr>
<tr>
<td>user.lock</td>
<td>-</td>
<td>A user account was locked.</td>
</tr>
<tr>
<td>user.login</td>
<td>-</td>
<td>A user logged in to an account.</td>
</tr>
<tr>
<td>user.login_failure</td>
<td>-</td>
<td>A user account login attempt failed.</td>
</tr>
<tr>
<td>user.logout</td>
<td>-</td>
<td>A user logged out of an account.</td>
</tr>
<tr>
<td>user.password_update</td>
<td>-</td>
<td>An account password was updated.</td>
</tr>
<tr>
<td>user.unlock</td>
<td>-</td>
<td>A user account was unlocked.</td>
</tr>
<tr>
<td>user.update</td>
<td>-</td>
<td>A user account was updated.</td>
</tr>
</tbody>
</table>
### Actions

**GET** /events

List all events for a particular customer

**Authentication**

API token.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ip</td>
<td>string</td>
<td>IP addresses that the event was requested from.</td>
</tr>
<tr>
<td>metadata</td>
<td>string</td>
<td>Hash of key value pairs of additional information.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>ID of the service that the event was performed on.</td>
</tr>
<tr>
<td>user_id</td>
<td>string</td>
<td>ID of the user that performed the event.</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>vcl.create</td>
<td>-</td>
<td>VCL was created.</td>
</tr>
<tr>
<td>vcl.delete</td>
<td>-</td>
<td>VCL was deleted.</td>
</tr>
<tr>
<td>vcl.update</td>
<td>-</td>
<td>VCL was updated.</td>
</tr>
<tr>
<td>version.activate</td>
<td>-</td>
<td>A service version was activated.</td>
</tr>
<tr>
<td>version.clone</td>
<td>-</td>
<td>A service version was cloned.</td>
</tr>
<tr>
<td>version.copy</td>
<td>-</td>
<td>A copy of a service version was made.</td>
</tr>
<tr>
<td>version.copy_destination</td>
<td>-</td>
<td>The service to which a version was copied.</td>
</tr>
<tr>
<td>version.copy_source</td>
<td>-</td>
<td>The service from which a version was copied.</td>
</tr>
<tr>
<td>version.create</td>
<td>-</td>
<td>A service version was created.</td>
</tr>
<tr>
<td>version.deactivate</td>
<td>-</td>
<td>A service version was deactivated.</td>
</tr>
<tr>
<td>version.lock</td>
<td>-</td>
<td>A service version was locked.</td>
</tr>
<tr>
<td>version.update</td>
<td>-</td>
<td>A service version was updated.</td>
</tr>
<tr>
<td>waf.configuration_set_update</td>
<td>-</td>
<td>A WAF configuration set was updated.</td>
</tr>
<tr>
<td>waf.create</td>
<td>-</td>
<td>A WAF object was created.</td>
</tr>
<tr>
<td>waf.delete</td>
<td>-</td>
<td>A WAF object was deleted.</td>
</tr>
<tr>
<td>waf.update</td>
<td>-</td>
<td>A WAF object was updated.</td>
</tr>
<tr>
<td>waf.enable</td>
<td>-</td>
<td>A WAF object was enabled.</td>
</tr>
<tr>
<td>waf.disable</td>
<td>-</td>
<td>A WAF object was disabled.</td>
</tr>
<tr>
<td>waf.owasp.create</td>
<td>-</td>
<td>A WAF OWASP setting was created.</td>
</tr>
<tr>
<td>waf.owasp.update</td>
<td>-</td>
<td>A WAF OWASP setting was updated.</td>
</tr>
<tr>
<td>waf.ruleset.deploy</td>
<td>-</td>
<td>A WAF ruleset was deployed.</td>
</tr>
<tr>
<td>waf.ruleset.deploy_failure</td>
<td>-</td>
<td>A WAF ruleset’s deployment failed.</td>
</tr>
<tr>
<td>wordpress.create</td>
<td>-</td>
<td>A WordPress rule was created.</td>
</tr>
<tr>
<td>wordpress.delete</td>
<td>-</td>
<td>A WordPress rule was deleted.</td>
</tr>
<tr>
<td>wordpress.update</td>
<td>-</td>
<td>A WordPress rule was updated.</td>
</tr>
<tr>
<td>ip</td>
<td>string</td>
<td>IP addresses that the event was requested from.</td>
</tr>
<tr>
<td>metadata</td>
<td>string</td>
<td>Hash of key value pairs of additional information.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>ID of the service that the event was performed on.</td>
</tr>
<tr>
<td>user_id</td>
<td>string</td>
<td>ID of the user that performed the event.</td>
</tr>
</tbody>
</table>
## GET /events

Get a list of all events.

### Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>filter[created_at]</td>
<td>string</td>
<td>Limit the returned events to a specific timestamp. Accepts parameters: <code>gt</code>, <code>gte</code>, <code>lt</code>, <code>lte</code> (e.g., <code>filter[created_at][gt]=2019-01-01</code>). Parameters can be combined. If <code>filter[created_at]</code> is not present on the request, events within the past year are returned.</td>
</tr>
<tr>
<td>filter[customer_id]</td>
<td>string</td>
<td>Limit the returned events to a specific customer.</td>
</tr>
<tr>
<td>filter[service_id]</td>
<td>string</td>
<td>Limit the returned events to a specific service.</td>
</tr>
<tr>
<td>filter[event_type]</td>
<td>string</td>
<td>Limit the returned events to a specific event type. See above for event codes.</td>
</tr>
<tr>
<td>filter[user_id]</td>
<td>string</td>
<td>Limit the returned events to a specific user.</td>
</tr>
<tr>
<td>page[number]</td>
<td>integer</td>
<td>Pagination page number.</td>
</tr>
<tr>
<td>page[size]</td>
<td>integer</td>
<td>Number of items to return on each paginated page.</td>
</tr>
<tr>
<td>sort</td>
<td>string</td>
<td>Sort the events by created_at ASC or DESC. Only <code>created_at</code> or <code>-created_at</code> are valid values; all others will return 400 Bad Request.</td>
</tr>
</tbody>
</table>

### Request Example

```
GET /events?filter[customer_id]=x4xCwxx3xGCx123R5x5xTx&page[number]=1&page[size]=1 HTTP/1.1
Accept: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN
```

### Response Example

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

```

```json
{
  "data": [
    {
      "attributes": {
        "admin": false,
        "created_at": "2016-06-06T20:05:10Z",
        "customer_id": "x4xCwxx3xGCx123R5x5xTx",
        "description": "Version 2 was activated",
        "event_type": "version.activate",
        "ip": "127.0.0.0",
        "metadata": {
          "version_number": 2
        },
        "service_id": "SU1Z0isxPaozGVKXdv0eY",
        "user_id": "4PPiBUJz3yJhGi3N0kovLP"
      },
      "id": "5IH1QmNSV1Qi7jXc4oIZlZ",
      "type": "event"
    }
  ],
  "links": {
    "last": "http://api.fastly.com/events?filter[customer_id]=x4xCwxx3xGCx123R5x5xTx&page[number]=1&page[size]=1"
  }
}
```

GET /events/event_id

Get a specific event

### Authentication

**API token**.

### Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>event_id</td>
<td>string</td>
<td>The event ID.</td>
</tr>
</tbody>
</table>

### Request Example

```
GET /events/event_id HTTP/1.1
Authorization: Bearer YOUR_TOKEN
```
GET /events/1PTzLK8g1NRKNOu5KUb8SC HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json

▼ Response Example

HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

{
  "data": {
    "attributes": {
      "admin": false,
      "created_at": "2016-06-01T21:29:38Z",
      "customer_id": "x4xGwxzuXGCx123Rx5wTe",
      "description": "Version 2 was activated",
      "event_type": "version.activate",
      "ip": "127.0.0.0",
      "metadata": {
        "version_number": 2
      },
      "service_id": "SU1Z0isxPaozGVKXdv0eY",
      "user_id": "6MwX4ZZM7Ji4Q3O07dI8Ln"
    },
    "id": "1PTzLK8g1NRKNOu5KUb8SC",
    "type": "event"
  }
}

Invitations

Invitations allow superusers and engineers to invite users to set up accounts as collaborators under a main customer account. Superusers can invite collaborators and assign them any role or permission level on a per-service basis. Engineers with no per-service limitations on their role can only invite new collaborators but cannot modify their permissions.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the invitation was created. Read Only.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the invitation was deleted. Read Only.</td>
</tr>
<tr>
<td>email</td>
<td>string</td>
<td>The email address of the invitee.</td>
</tr>
<tr>
<td>limit_services</td>
<td>boolean</td>
<td>Indicates the user has limited access to the customer's services.</td>
</tr>
<tr>
<td>role</td>
<td>string</td>
<td>The user-assigned permissions role. Can be user, billing, engineer, or superuser.</td>
</tr>
<tr>
<td>status_code</td>
<td>boolean</td>
<td>Indicates whether or not the invite is active, with 0 representing inactive and 1 representing active.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the invitation was updated. Read Only.</td>
</tr>
<tr>
<td>customer.id</td>
<td>string</td>
<td>Unique ID of the customer.</td>
</tr>
<tr>
<td>service_invitations.id</td>
<td>string</td>
<td>Unique ID of the service invitation.</td>
</tr>
<tr>
<td>service_invitations.permission</td>
<td>string</td>
<td>The permission the accepting user will have in relation to the service. Valid values are full, read_only, purge_select, purge_all. Defaults to full permission.</td>
</tr>
<tr>
<td>service_invitations.service.id</td>
<td>string</td>
<td>Service the accepting user will have access to.</td>
</tr>
</tbody>
</table>

Actions

GET /invitations

List all invitations

Authentication
**POST /invitations**

Create an invitation

**Authentication**

**API token** with at least User permissions.

**Request Example**

```
POST /invitations HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
Content-Type: application/vnd.api+json
```
```json
{
  "data": {
    "type": "invitation",
    "attributes": {
      "email": "thelma@example.com",
      "limit_services": true,
      "role": "engineer"
    },
    "relationships": {
      "customer": {
        "data": {
          "id": "44tb1D3asjhhuh2SH8e8TD",
          "type": "customer"
        }
      },
      "service_invitations": {
        "data": [
          {
            "type": "service_invitation",
            "attributes": {
              "permission": "purge_all"
            },
            "relationships": {
              "service": {
                "data": {
                  "type": "service",
                  "id": "6yrrdleXQ9QDtum9rMB0nr"
                }
              }
            }
          }
        ]
      }
    }
  }
}

▼ Response Example

HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```
DELETE /invitations/ id

Delete an invitation

Authentication
API token with at least Superuser permissions.

Request Example

```
DELETE /invitations/3krg2uUGGz日正式Wuo4mo0Y HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
Content-Type: application/vnd.api+json
```

Response Example

```
HTTP/1.1 204 No Content
Content-Type: application/vnd.api+json
```

Service Authorizations
A Service Authorization allows limited users to access only specified services.

**Fields**

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>permission</td>
<td>string</td>
<td>The permission the user has in relation to the service. Valid values are full, read_only, purge_select, purge_all. Defaults to full permission.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the service authorization was created. Read Only.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the service authorization was updated. Read Only.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the service authorization was deleted. Read Only.</td>
</tr>
<tr>
<td>user.id</td>
<td>string</td>
<td>The ID of the user being given access to the service.</td>
</tr>
<tr>
<td>service.id</td>
<td>string</td>
<td>The ID of the service being authorized for access.</td>
</tr>
</tbody>
</table>

**Actions**

**GET**  /service-authorizations/ id

**Show Service Authorization**

Authentication

API token.

**Request Example**

```
GET /service-authorizations/3krg2uUGZzb2W9Euo4moOY HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

{
  "data": {
    "id": "3krg2uUGZzb2W9Euo4moOY",
    "type": "service_authorization",
    "attributes": {
      "created_at": "2017-03-15T20:10:09Z",
      "updated_at": "2017-03-15T20:10:09Z",
      "deleted_at": null
    },
    "relationships": {
      "service": {
        "data": {
          "type": "service",
          "id": "x4xCwxaJxgc123Rx5xTx"
        }
      },
      "user": {
        "data": {
          "type": "user",
          "id": "6c7kAlo4vACNchGOdQxP37"
        }
      }
    }
  }
}
```

**GET**  /service-authorizations

**List Service Authorizations**

Authentication

API token.

**Request Example**
GET /service-authorizations HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json

<table>
<thead>
<tr>
<th>▼ Response Example</th>
</tr>
</thead>
</table>

HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

```
{
"data": [
{
"id": "3krg2uDGizzb2W9Eu04moOY",
"type": "service_authorization",
"attributes": {
 "created_at": "2017-03-15T20:10:09Z",
 "updated_at": "2017-03-15T20:10:09Z",
 "deleted_at": null
 },
"relationships": {
 "service": {
 "data": {
 "type": "service",
 "id": "Xr4xJxGxXx123R5xT5x"
 },
 "user": {
 "data": {
 "type": "user",
 "id": "6c7kAlo4vACNchGODqP37"
 }
 },
 "relationships": {
 "user": {
 "data": {
 "type": "user",
 "id": "6c7kAlo4vACNchGODqP37"
 }
 },
 "service": {
 "data": {
 "type": "service",
 "id": "SU1Z0isxPaozGVKXdv0eY"
 }
 }
 },
"links": {
 },
"meta": {
 "current_page": 1,
 "per_page": 100,
 "record_count": 1,
 "total_pages": 1
 }
}
```

PATCH /service-authorizations/ {id}

Update Service Authorization

Authentication

API token.

Request Example

```
PATCH /service-authorizations/3krg2uDGizzb2W9Eu04moOY HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```
PATCH /service-authorizations

Update Service Authorizations

Authentication

API token.

Request Example

```bash
PATCH /service-authorizations HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json; ext=bulk
Accept: application/vnd.api+json; ext=bulk
```

```json
{
  "data": [
    {
      "id": "3krg2uUGIzb2W9Eu04moOY",
      "type": "service_authorization",
      "attributes": {
        "permission": "read_only"
      }
    },
    {
      "id": "71ZA6hv2FO6tGEQE203Xj",
      "type": "service_authorization",
      "attributes": {
        "permission": "purge_all"
      }
    }
  ]
}
```

Response Example

```bash
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json; ext=bulk
```

```json
{
  "data": {
    "id": "3krg2uUGIzb2W9Eu04moOY",
    "type": "service_authorization",
    "attributes": {
      "created_at": "2017-03-15T20:07:34Z",
      "updated_at": "2017-03-15T20:07:34Z",
      "deleted_at": null,
      "permission": "read_only"
    }
  }
}
```
POST /service-authorizations

Create Service Authorization

Authentication
API token.

Request Example

```plaintext
POST /service-authorizations HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
Content-Type: application/vnd.api+json
```
DELETE /service-authorizations/ id

Delete Service Authorization

Authentication

API token.

Request Example

```json
{
  "data": {
    "type": "service_authorization",
    "attributes": {
      "permission": "read_only"
    },
    "relationships": {
      "user": {
        "data": {
          "type": "user",
          "id": "6c7kA1o4vACNchGQdQxP37"
        }
      },
      "service": {
        "data": {
          "type": "service",
          "id": "SU1f0isxPa0xGVXxdv0eY"
        }
      }
    }
  }
}
```
DELETE /service-authorizations/3krg2uUGZzb2W9Euo4moOY HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
Content-Type: application/vnd.api+json

▼ Response Example

HTTP/1.1 204 No Content
Content-Type: application/vnd.api+json

DELETE /service-authorizations

Delete Service Authorizations

Authentication
API token.

Request Example

DELETE /service-authorizations HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json; ext=bulk
Content-Type: application/vnd.api+json; ext=bulk

```
{
  "data": [
    {
      "id": "3krg2uUGZzb2W9Euo4moOY",
      "type": "service_authorization"
    },
    {
      "id": "71Z2A6hv2FO6tGEQIE203Xj",
      "type": "service_authorization"
    }
  ]
}
```

▼ Response Example

HTTP/1.1 204 OK
Content-Type: application/vnd.api+json; ext=bulk

https://docs.fastly.com/api/aio
Star
A Star allows users to mark services of interest.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the Star was created. Read Only.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the Star was updated. Read Only.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the Star was deleted. Read Only.</td>
</tr>
<tr>
<td>service.id</td>
<td>string</td>
<td>Unique ID of the service</td>
</tr>
<tr>
<td>user.id</td>
<td>string</td>
<td>Unique ID of the user</td>
</tr>
</tbody>
</table>

Actions

**GET** /stars/ id

Show Star

Authentication
### GET /stars

**List Stars**

**Authentication**

**API token.**

**Request Example**

```
GET /stars HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```

```json
{
  "data": [
    {
      "id": "3kr2uUGIzb2W9Eu04moOY",
      "type": "star",
      "attributes": {
        "created_at": "2017-03-15T20:10:09Z",
        "updated_at": "2017-03-15T20:10:09Z",
        "deleted_at": null
      },
      "relationships": {
        "service": {
          "data": {
            "type": "service",
            "id": "x4xWx3xJzGx123Rx5xTx"
          }
        },
        "user": {
          "data": {
            "type": "user",
            "id": "6c7kAlo4vACNchGOdQxP37"
          }
        }
      }
    }
  ]
}
```
```json
{
  "data": {
    "id": "3krg2uUGZzb2W9Euo4moOY",
    "type": "star",
    "attributes": {
      "created_at": "2017-03-15T20:10:09Z",
      "updated_at": "2017-03-15T20:10:09Z",
      "deleted_at": null
    },
    "relationships": {
      "service": {
        "data": {
          "type": "service",
          "id": "x4xCwxxJxGx123Rx5xTx"
        }
      },
      "user": {
        "data": {
          "type": "user",
          "id": "6c7kAlo4vACNhGdQxP37"
        }
      }
    },
    "links": {
    },
    "meta": {
      "current_page": 1,
      "per_page": 100,
      "record_count": 1,
      "total_pages": 1
    }
  }
}
```

**POST /stars**

Create Star

Authentication

API token.

Request Example

```
POST /stars HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
Content-Type: application/vnd.api+json

{
  "data": {
    "type": "star",
    "attributes": {},
    "relationships": {
      "service": {
        "data": {
          "type": "service",
          "id": "SU1f0isxPaozGVXdv0eY"
        }
      }
    }
  }
}
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```
DELETE /stars/ id

Delete Star

Authentication
API token.

Request Example

DELETE /stars/3krq2uUGIzb2W9Euo4mo0Y HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
Content-Type: application/vnd.api+json

Response Example

HTTP/1.1 204 No Content
Content-Type: application/vnd.api+json

User
A user of the Fastly API and web interface. A user is always associated with a customer.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the user was created.</td>
</tr>
<tr>
<td>customer_id</td>
<td>string</td>
<td>The alphanumeric string identifying a customer.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the user was deleted.</td>
</tr>
<tr>
<td>email_hash</td>
<td>string</td>
<td>The alphanumeric string identifying a email login.</td>
</tr>
<tr>
<td>id</td>
<td>string</td>
<td>The alphanumeric string identifying a user.</td>
</tr>
<tr>
<td>limit_services</td>
<td>boolean</td>
<td>Indicates that the user has limited access to the customer's services.</td>
</tr>
<tr>
<td>locked</td>
<td>boolean</td>
<td>Indicates whether the is account is locked for editing or not.</td>
</tr>
<tr>
<td>login</td>
<td>boolean</td>
<td>The email address, which is the login name, of this user.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The real life name of the user.</td>
</tr>
<tr>
<td>require_new_password</td>
<td>boolean</td>
<td>Indicates if a new password is required at next login.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>---------------------</td>
<td>------------</td>
<td>------------------------------------------------------------</td>
</tr>
<tr>
<td>role</td>
<td>string</td>
<td>The role of this user.</td>
</tr>
<tr>
<td>two_factor_auth_enabled</td>
<td>boolean</td>
<td>Indicates if 2fa is enabled on the user.</td>
</tr>
<tr>
<td>two_factor_setup_required</td>
<td>boolean</td>
<td>Indicates if 2fa is required by the user’s customer account.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the user was updated.</td>
</tr>
</tbody>
</table>

**Actions**

**GET /current_user**

Get the logged in user

Authentication

API token.

**Request Example**

```
GET /current_user HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "created_at": "2016-06-14T14:43:01+00:00",
  "customer_id": "x4xW6xXgXGx123Rx5xTx",
  "deleted_at": null,
  "email_hash": "xe8x2dxffx5bx18123x69x3fxefxexfxa",
  "id": "x9KzsrACXZv8tPwlEDsRb6",
  "locked": false,
  "login": "krisowner@example.com",
  "name": "Kris Owner",
  "require_new_password": false,
  "role": "user",
  "two_factor_auth_enabled": false,
  "two_factor_setup_required": false,
  "updated_at": "2016-06-20T16:45:18+00:00"
}
```

**GET /user/id**

Get a specific user

Authentication

API token.

**Request Example**

```
GET /user/x9KzsrACXZv8tPwlEDsRb6 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

```
POST /user

Create a user

Authentication

API token with at least `superuser` permissions.

Request Example

```
POST /user HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=Kris Owner&login=krisowner@example.com
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "created_at": "2016-06-14T14:43:01+00:00",
  "customer_id": "x4eCwhxJxGCx123Rt5xTt",
  "deleted_at": null,
  "email_hash": "xe8x2dfxxf5bx18123x69x3fxefxefxas",
  "id": "x9ZsraAC8s58tFlEdsKb",
  "locked": false,
  "login": "krisowner@example.com",
  "name": "Kris Owner",
  "require_new_password": false,
  "role": "user",
  "two_factor_auth_enabled": false,
  "two_factor_setup_required": false,
  "updated_at": "2016-06-20T16:45:18+00:00"
}
```

POST /current_user/password

Update the user’s password to a new one

Authentication

Username and password.

Request Example

```
POST /current_user/password HTTP/1.1
Content-Type: application/x-www-form-urlencoded

old_password=oldpasswd&new_password=newpwd
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

```
POST `/user/login` /password/request_reset

Requests a password reset for the specified user

Authentication
None.

Request Example

```plaintext
POST /user/krisowner@example.com/password/request_reset HTTP/1.1
Accept: application/json
```

▼ Response Example

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

PUT `/user/id`

Update a user. Only users with the role of `superuser` can make changes to other users on the account. Non-superusers may use this endpoint to make changes to their own account. Modifications to `login` email require a valid password in the request body. Two-factor attributes are not editable via this endpoint.

Authentication
API token.

Request Example

```plaintext
PUT /user/x9KzsrACX3v8tPw1EDsKb6 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=Updated%20Name&login=krisowner@example.com&password_confirmation=YOUR_FASTLY_PASSWORD
```

▼ Response Example

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json
```
DELETE /user/ \*id\*

Delete a user

Authentication

**API token** with at least **Superuser permissions**.

Request Example

```
DELETE /user/x9KzsrACXZv8tPwlEDsKb6 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

**Config**

**ACL**

An ACL is a named access control list for matching against a client’s IP address during VCL processing. A new ACL is empty and is attached to a working version of a service (not locked or active). The version associated with the ACL must be activated to be used. To remove an ACL from use, the ACL must be deleted from a working version (not locked or active), and that version without the ACL must be activated.

**Fields**

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name for the ACL. Must start with alphanumeric and contain only alphanumeric, underscore, and whitespace.</td>
</tr>
</tbody>
</table>

**Actions**

**GET** `/service/ service_id /version/ version /acl`

List ACLs

Authentication

**API token** of a user with at least **Engineer permissions**.

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/2/acl HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

```
```
GET /service/service_id/version/version/acl/name

Retrieve a single ACL by name for the version and service.

Authentication
API token of a user with at least Engineer permissions.

Request Example
GET /service/SU1Z0isxPaozGVKXdv0eY/version/4/acl/my_acl
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example
HTTP/1.1 200 OK
Content-Type: application/json

POST /service/service_id/version/version/acl

Create a new ACL for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Request Example
POST /service/SU1Z0isxPaozGVKXdv0eY/version/4/acl
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json
name=my_acl

Response Example
HTTP/1.1 200 OK
Content-Type: application/json
Update ACL for a particular service and version

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```plaintext
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/4/acl/my_acl HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=updated_acl
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

{
  "version": 4,
  "name": "updated_acl",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "id": "2cf1IPskFLhmmIJEFUake",
  "created_at": "2016-04-21T18:14:32+00:00",
  "updated_at": "2016-04-21T18:14:32+00:00",
  "deleted_at": null
}
```

Delete an ACL for a particular service and version

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```plaintext
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/acl/my_acl HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

**ACL Entry**

An ACL entry holds an IP address with optional subnet to make up an entry in an ACL. ACL entries are versionless and can be modified without activating a new version. ACL entries can also be negated.

**Fields**
<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ip</td>
<td>string</td>
<td>An IP address.</td>
</tr>
<tr>
<td>subnet</td>
<td>string</td>
<td>An optional subnet mask applied to the IP address.</td>
</tr>
<tr>
<td>acl_id</td>
<td>string</td>
<td>The ACL this entry belongs to.</td>
</tr>
<tr>
<td>negated</td>
<td>boolean</td>
<td>A boolean that will negate the match if true.</td>
</tr>
<tr>
<td>comment</td>
<td>string</td>
<td>A personal freeform descriptive note.</td>
</tr>
</tbody>
</table>

**Actions**

**GET** /service/service_id/acl/acl_id/entries

List of ACL entries given service and ACL ID

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/acl/2cFflPOskFLhmnZJEfUake/entries HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[
  {
    "id": "6yxNzlOpW1V7fSwvLGtOc",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "acl_id": "2cFflPOskFLhmnZJEfUake",
    "ip": "127.0.0.1",
    "negated": "0",
    "subnet": null,
    "comment": "",
    "created_at": "2016-04-21T18:14:32+00:00",
    "updated_at": "2016-04-21T18:14:32+00:00",
    "deleted_at": null
  },
  {
    "id": "1ujrCmULAWHUPP7Mzjefxa",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "acl_id": "2cFflPOskFLhmnZJEfUake",
    "ip": "127.0.0.2",
    "negated": "0",
    "subnet": 8,
    "comment": "",
    "created_at": "2016-04-21T18:14:32+00:00",
    "updated_at": "2016-04-21T18:14:32+00:00",
    "deleted_at": null
  }
]
```

**GET** /service/service_id/acl/acl_id/entry/entry_id

Retrieve a single ACL entry given service, ACL ID and entry ID

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/acl/2cFflPOskFLhmnZJEfUake/entry/1ujrCmULAWHUPP7Mzjefxa HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**
POST /service/ service_id/acl/ acl_id /entry

Create ACL entry given service, ACL ID and properties

Authentication

API token of a user with at least Engineer permissions.

Request Example

```
POST /service/SU1Z0isxPaozGVKXdv0eY/acl/2cFflPOskFLhmn3JEfUake/entry HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/json
Accept: application/json
```

```
{"ip": "127.0.0.1", "subnet": 8, "negated": false}
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "id": "1ujrCmULAHUFP7Mzjefxa",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "acl_id": "2cFflPOskFLhmn3JEfUake",
  "ip": "127.0.0.1",
  "negated": 0,
  "subnet": 8,
  "comment": "",
  "created_at": "2016-04-21T18:14:32+00:00",
  "updated_at": "2016-04-21T18:14:32+00:00",
  "deleted_at": null
}
```

DELETE /service/ service_id/acl/ acl_id /entry/ entry_id

Delete ACL entry given service, ACL ID, and entry ID

Authentication

API token of a user with at least Engineer permissions.

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/acl/2cFflPOskFLhmn3JEfUake/entry/1ujrCmULAHUFP7Mzjefxa HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```
**PATCH /service/service_id/acl/acl_id/entry/entry_id**

Update ACL entry given service, ACL ID, entry ID and properties

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```plaintext
PATCH /service/SU1Z0isxPaozGVKXdv0eY/acl/2cFflPOskFLhmnZJEfUake/entry/1ujrCMULAHUFP7Mzjefxa HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/json
Accept: application/json
```

```json
{"ip": "127.0.0.2"}
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json
```

```json
{
  "id": "1ujrCMULAHUFP7Mzjefxa",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "acl_id": "2cFflPOskFLhmnZJEfUake",
  "ip": "127.0.0.2",
  "negated": "0",
  "subnet": "0",
  "comment": "",
  "created_at": "2016-04-21T18:14:32+00:00",
  "updated_at": "2016-04-21T18:14:32+00:00",
  "deleted_at": null
}
```

**PATCH /service/service_id/acl/acl_id/entries**

Update ACL entries in batch given service, ACL ID, entry ID and properties

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```plaintext
PATCH /service/SU1Z0isxPaozGVKXdv0eY/acl/2cFflPOskFLhmnZJEfUake/entries HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/json
Accept: application/json
```

```json
{
  "entries": [
    {
      "op": "create",
      "ip": "192.168.0.1",
      "subnet": "8"
    },
    {
      "op": "update",
      "id": "acl_entry_id",
      "ip": "192.168.0.2",
      "subnet": "16"
    },
    {
      "op": "delete",
      "id": "acl_entry_id"
    }
  ]
}
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json
```

```json
{
  "status": "ok"
}
Backend
A backend is an address (IP or domain) from which Fastly pulls content. There can be multiple backends for a service.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>address</td>
<td>string</td>
<td>An hostname, IPv4, or IPv6 address for the backend.</td>
</tr>
<tr>
<td>auto_loadbalance</td>
<td>boolean</td>
<td>Whether or not this backend should be automatically load balanced.</td>
</tr>
<tr>
<td>between_bytes_timeout</td>
<td>integer</td>
<td>How long to wait between bytes in milliseconds.</td>
</tr>
<tr>
<td>client_cert</td>
<td>string</td>
<td>Unused.</td>
</tr>
<tr>
<td>comment</td>
<td>string</td>
<td>A comment.</td>
</tr>
<tr>
<td>connect_timeout</td>
<td>integer</td>
<td>How long to wait for a timeout in milliseconds.</td>
</tr>
<tr>
<td>first_byte_timeout</td>
<td>integer</td>
<td>How long to wait for the first bytes in milliseconds.</td>
</tr>
<tr>
<td>healthcheck</td>
<td>string</td>
<td>The name of the healthcheck to use with this backend. Can be empty.</td>
</tr>
<tr>
<td>hostname</td>
<td>string</td>
<td>The hostname of the backend.</td>
</tr>
<tr>
<td>ipv4</td>
<td>string</td>
<td>IPv4 address of the host.</td>
</tr>
<tr>
<td>ipv6</td>
<td>string</td>
<td>IPv6 address of the host.</td>
</tr>
<tr>
<td>locked</td>
<td>boolean</td>
<td>Specifies whether or not the version is locked for editing.</td>
</tr>
<tr>
<td>max_conn</td>
<td>integer</td>
<td>Maximum number of connections.</td>
</tr>
<tr>
<td>max_tls_version</td>
<td>string</td>
<td>Maximum allowed TLS version on SSL connections to this backend.</td>
</tr>
<tr>
<td>min_tls_version</td>
<td>string</td>
<td>Minimum allowed TLS version on SSL connections to this backend.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the backend.</td>
</tr>
<tr>
<td>override_host</td>
<td>string</td>
<td>The hostname to override the Host header.</td>
</tr>
<tr>
<td>port</td>
<td>integer</td>
<td>The port number.</td>
</tr>
<tr>
<td>request_condition</td>
<td>string</td>
<td>Condition, which if met, will select this backend during a request.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>shield</td>
<td>string</td>
<td>Selected POP to serve as a shield for the backend. Optional. Defaults to null meaning no origin shielding if not set. Refer to the datacenters API endpoint to get a list of available POPs used for shielding.</td>
</tr>
<tr>
<td>ssl_ca_cert</td>
<td>string</td>
<td>CA certificate attached to origin.</td>
</tr>
<tr>
<td>ssl_cert_hostname</td>
<td>string</td>
<td>Overrides ssl_hostname, but only for cert verification. Does not affect SNI at all.</td>
</tr>
<tr>
<td>ssl_check_cert</td>
<td>boolean</td>
<td>Be strict on checking SSL certs. Setting to null will use the system default value (true).</td>
</tr>
<tr>
<td>ssl_ciphers</td>
<td>string</td>
<td>List of OpenSSL ciphers (see the openssl.org manpages for details).</td>
</tr>
<tr>
<td>ssl_client_cert</td>
<td>string</td>
<td>Client certificate attached to origin.</td>
</tr>
<tr>
<td>ssl_client_key</td>
<td>string</td>
<td>Client key attached to origin.</td>
</tr>
<tr>
<td>ssl_hostname</td>
<td>string</td>
<td>(Deprecated) Use ssl_cert_hostname and ssl_sni_hostname to configure certificate validation.</td>
</tr>
</tbody>
</table>
**Field** | **Type** | **Description**
--- | --- | ---
ssl_sni_hostname | string | Overrides ssl_hostname, but only for SNI in the handshake. Does not affect cert validation at all.
use_ssl | boolean | Whether or not to use SSL to reach the backend.
version | integer | The current version number of a service.
weight | integer | Weight used to load balance this backend against others.

**Actions**

**GET** /service/service_id/version/ backend

List all backends for a particular service and version.

**Authentication**

API token of a user with at least [Engineer permissions](#).

**Request Example**

```bash
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/backend HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[
  {
    "address": "127.0.0.1",
    "auto_loadbalance": false,
    "between_bytes_timeout": 10000,
    "client_cert": null,
    "comment": "",
    "connect_timeout": 1000,
    "first_byte_timeout": 15000,
    "healthcheck": null,
    "hostname": null,
    "ipv4": "127.0.0.1",
    "ipv6": null,
    "locked": true,
    "max_conn": 200,
    "max_tls_version": null,
    "min_tls_version": null,
    "name": "backend-name",
    "port": 80,
    "request_condition": "",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "shield": null,
    "override_host": null,
    "ssl_ca_cert": null,
    "ssl_cert_hostname": null,
    "ssl_check_cert": true,
    "ssl_ciphers": null,
    "ssl_client_cert": null,
    "ssl_client_key": null,
    "ssl_hostname": null,
    "ssl_sni_hostname": null,
    "use_ssl": false,
    "version": 1,
    "weight": 100
  }
]
```

**GET** /service/service_id/version/ backend/name

Get the backend for a particular service and version.

**Authentication**

API token of a user with at least [Engineer permissions](#).
Request Example

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/backend/test-backend HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json
```

```
{
    "address": "127.0.0.1",
    "auto_loadbalance": false,
    "between_bytes_timeout": 10000,
    "client_cert": null,
    "comment": "",
    "connect_timeout": 1000,
    "first_byte_timeout": 15000,
    "healthcheck": null,
    "hostname": null,
    "ipv4": "127.0.0.1",
    "ipv6": null,
    "locked": true,
    "max_conn": 200,
    "max_tls_version": null,
    "min_tls_version": null,
    "name": "backend-name",
    "port": 80,
    "request_condition": "",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "shield": null,
    "override_host": null,
    "ssl_ca_cert": null,
    "ssl_cert_hostname": null,
    "ssl_check_cert": true,
    "ssl_ciphers": null,
    "ssl_client_cert": null,
    "ssl_client_key": null,
    "ssl_hostname": null,
    "ssl_sni_hostname": null,
    "use_ssl": false,
    "version": 1,
    "weight": 100
}
```

POST /service/service_id/version/version/backend

Create a backend for a particular service and version.

Authentication

**API token** of a user with at least [Engineer permissions](#).

Request Example

```plaintext
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/backend HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json
```

```
ipv4=127.0.0.1&name=backend-name&port=80
```

Response Example

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json
```
PUT /service/service_id/version/version/backend/old_name

Update the backend for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the backend (used to select the correct backend if the name has been changed).</td>
</tr>
</tbody>
</table>

Request Example

```
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/backend/backend-name HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=updated-backend-name
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json
```
DELETE /service/service_id/version/backend/name

Delete the backend for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/backend/backend-name
HTTP/1.1

Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

Cache Settings

Configures cache lifetime for objects stored in the Fastly cache, overriding cache freshness information that would otherwise be determined from cache-related headers on the HTTP response. When used in conjunction with conditions, cache settings objects provide detailed control over how long content persists in the cache.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>action</td>
<td>string</td>
<td>If set, will cause vcl_fetch to terminate after processing this rule with the return state specified. If not set, other configuration logic in vcl_fetch with a lower priority will run after this rule.</td>
</tr>
</tbody>
</table>
### Actions

**GET /service/ service_id /version/ version /cache_settings**

Get a list of all cache settings for a particular service and version.

**Authentication**

API token of a user with at least **Engineer permissions**.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/cache_settings HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[  
  {  
    "action": "cache",
    "cache_condition": "",
    "name": "testcache",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "stale_ttl": "1200",
    "ttl": "3600",
    "version": "1"
  }  
]
```

**GET /service/ service_id /version/ version /cache_settings/ name**

Get a specific cache settings object.

**Authentication**

API token of a user with at least **Engineer permissions**.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/cache_settings/testcache HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[  ]
```

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>pass</td>
<td>-</td>
<td>Do not cache the response and do not apply request collapsing to subsequent requests for the period specified in the TTL.</td>
</tr>
<tr>
<td>deliver</td>
<td>-</td>
<td>Proceed to save the object and deliver the response.</td>
</tr>
<tr>
<td>restart</td>
<td>-</td>
<td>Discard the response and restart VCL processing in vcl_recv.</td>
</tr>
<tr>
<td>cache_condition</td>
<td>string</td>
<td>Name of a condition object that should be used to test whether to apply the cache settings object.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>Name for the cache settings object.</td>
</tr>
<tr>
<td>stale_ttl</td>
<td>integer</td>
<td>Maximum time in seconds to continue to use a stale version of the object if future requests to your backend server fail (also known as 'stale if error').</td>
</tr>
<tr>
<td>ttl</td>
<td>integer</td>
<td>Maximum time to consider the object fresh in the cache (the cache 'time to live').</td>
</tr>
</tbody>
</table>
POST /service/service_id/version/cache_settings

Create a cache settings object.

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```plaintext
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/cache_settings HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=testcache&stale_ttl=1000&ttl=1000&action=cache
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

{
  "action": "cache",
  "cache_condition": "",
  "name": "testcache",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "stale_ttl": "1200",
  "ttl": "3600",
  "version": "1"
}
```

PUT /service/service_id/version/cache_settings/old_name

Update a specific cache settings object.

**Authentication**

API token of a user with at least Engineer permissions.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the cache settings object (used to select the correct cache settings object if the name has been changed).</td>
</tr>
</tbody>
</table>

**Request Example**

```plaintext
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/cache_settings/testcache HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

stale_ttl=2000&ttl=1000
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

```
DELETE /service/service_id/version/version/cache_settings/name

Delete a specific cache settings object.

Authentication

API token of a user with at least Engineer permissions.

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/cache_settings/testcache HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
    "status": "ok"
}
```

Condition

Conditions are used to control whether logic defined in configured VCL objects is applied for a particular client request. A condition contains a VCL conditional expression that evaluates to either true or false and is used to determine whether the condition is met.

The type of the condition determines where it is executed and the VCL variables that can be evaluated as part of the conditional logic.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>comment</td>
<td>string</td>
<td>Free text field to record a note or description of the condition, which will be displayed in the management web interface.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the condition. Required.</td>
</tr>
<tr>
<td>priority</td>
<td>integer</td>
<td>Priority assigned to condition. Lower numbers execute first. Defaults to 0.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The ID of the service to which to attach the condition.</td>
</tr>
<tr>
<td>statement</td>
<td>string</td>
<td>A conditional expression in VCL used to determine if the condition is met.</td>
</tr>
<tr>
<td>type</td>
<td>string</td>
<td>Type of the condition. Required.</td>
</tr>
</tbody>
</table>

- **request**: Make the condition available everywhere. This type of condition may only reference VCL variables that are accessible throughout the VCL flow.
- **cache**: Make the condition available in the vcl_fetch subroutine at the fetch phase of the VCL flow. This type of condition may access VCL variables in the beresp namespace.
- **response**: Make the condition available in the vcl_deliver subroutine at the delivery phase of the VCL flow. This type of condition may access VCL variables in the resp namespace.
- **prefetch**: Make the condition available in the vcl_miss and vcl_pass subroutines at the prefetch phase of the VCL flow. This type of condition may access VCL variables in the bereq namespace.
### Actions

**GET** /service/service_id/version/condition

Gets all conditions for a particular service and version.

**Authentication**

*API token* of a user with at least *Engineer permissions*.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/condition HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

#### Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

[
  {
    "comment": "",
    "name": "testcondition",
    "priority": "10",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "statement": "req.url.basename == \"index.html\"",
    "type": "CACHE",
    "version": "1"
  }
]
```

**GET** /service/service_id/version/condition/name

Gets the specified condition.

**Authentication**

*API token* of a user with at least *Engineer permissions*.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/condition/testcondition HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

#### Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "comment": "",
  "name": "testcondition",
  "priority": "10",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "statement": "req.url.basename == \"index.html\"",
  "type": "CACHE",
  "version": "1"
}
```

**POST** /service/service_id/version/condition

Creates a new condition.

**Authentication**

*API token* of a user with at least *Engineer permissions*.
**Request Example**

```
POST /service/SU1Z0ixsPaozGVKXdv0eY/version/1/condition HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=testcondition&statement=req.url.basename\%3D\%3D\"index.html\"&priority=10
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "comment": "",
  "name": "testcondition",
  "priority": "10",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "statement": "req.url.basename == \"index.html\"",
  "type": "REQUEST",
  "version": "1"
}
```

**PUT /service/service_id/version/version/condition/old_name**

Updates the specified condition.

**Authentication**

API token of a user with at least Engineer permissions.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the condition object (used to select the correct condition object if the name has been changed).</td>
</tr>
</tbody>
</table>

**Request Example**

```
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/condition/testcondition HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

statement=req.url.basename%20%3D%20\"index.html\"%22&priority=10
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "comment": "",
  "name": "testcondition",
  "priority": "10",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "statement": "req.url.basename == \"index.html\"",
  "type": "CACHE",
  "version": "1"
}
```

**DELETE /service/service_id/version/version/condition/name**

Deletes the specified condition.

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/condition/testcondition HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

▼ Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}

Dictionary
A Dictionary is a VCL data table that stores key-value pairs accessible to VCL during request processing. New, empty dictionaries can be attached to a draft version of a service, which must be activated for the dictionary to be included in VCL. Once installed, a dictionary’s items may be updated via API calls without having to activate a new version of the associated service configuration. To remove a dictionary, delete it on a draft version of a service (one that is not locked and not active). Once removed, activate the draft service version without the dictionary.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (UTC) when the dictionary was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (UTC) when the dictionary was deleted.</td>
</tr>
<tr>
<td>id</td>
<td>string</td>
<td>The alphanumeric string identifying a dictionary.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>Name for the Dictionary.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The ID of the service to which the dictionary is attached.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (UTC) when the dictionary was updated.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The version of the service to apply to the dictionary. The specified version must be unlocked to allow editing.</td>
</tr>
<tr>
<td>write_only</td>
<td>boolean</td>
<td>Determines if items in the dictionary are readable or not.</td>
</tr>
</tbody>
</table>

Actions

GET /service/service_id/version/version/dictionary

List all dictionaries for the version of the service.

Authentication

API token of a user with at least Engineer permissions.

Request Example

GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/dictionary HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

▼ Response Example

HTTP/1.1 200 OK
Content-Type: application/json
GET /service/service_id/version/version/dictionary/name

Retrieve a single dictionary by name for the version and service.

Authentication

API token of a user with at least Engineer permissions.

Request Example

```
GET /service/SU1z0isxPaozGVKXdv0eY/version/1/dictionary/my_dictionary HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{  'created_at': '2016-05-03T16:11:41+00:00',
  'deleted_at': null,
  'id': '5clCytcTJrnvPi8wjqPH0q',
  'name': 'my_dictionary',
  'service_id': 'SU1z0isxPaozGVKXdv0eY',
  'updated_at': '2016-05-03T16:20:35+00:00',
  'version': 1,
  'write_only': false
}
```

POST /service/service_id/version/version/dictionary

Create named dictionary for a particular service and version.

Authentication

API token of a user with at least Engineer permissions.

Request Example

```
POST /service/SU1z0isxPaozGVKXdv0eY/version/1/dictionary HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=my_dictionary
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{  'created_at': '2016-05-03T16:11:41+00:00',
  'deleted_at': null,
  'id': '5clCytcTJrnvPi8wjqPH0q',
  'name': 'my_dictionary',
  'service_id': 'SU1z0isxPaozGVKXdv0eY',
  'updated_at': '2016-05-03T16:20:35+00:00',
  'version': 1,
  'write_only': false
}
```
PUT /service/service_id/version/version/dictionary/old_name

Update named dictionary for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the dictionary object (used to select the correct dictionary object if the name has been changed).</td>
</tr>
</tbody>
</table>

Request Example

```
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/dictionary/my_dictionary
HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=updated_dictionary
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "created_at": "2016-05-03T16:11:41+00:00",
  "deleted_at": null,
  "id": "SclCytCTJrnrVPl8w7gPHoq",
  "name": "updated_dictionary",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "updated_at": "2016-05-03T16:11:41+00:00",
  "version": 1,
  "write_only": false
}
```

DELETE /service/service_id/version/version/dictionary/name

Delete named dictionary for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/dictionary/my_dictionary
HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

Dictionary Info

Dictionary Info is a set of metadata describing properties of a dictionary which change as items are added and removed.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
</table>


**Dictionary Item**

A Dictionary Item is a single key-value pair that makes up an entry in a Dictionary. Dictionary Items can be added, removed and modified without activating a new version of the associated service.

**Fields**

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (UTC) when the item was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (UTC) when the item was deleted.</td>
</tr>
<tr>
<td>dictionary_id</td>
<td>string</td>
<td>The ID of the dictionary containing this item.</td>
</tr>
<tr>
<td>item_key</td>
<td>string</td>
<td>Item key, maximum 256 characters.</td>
</tr>
<tr>
<td>item_value</td>
<td>string</td>
<td>Item value, maximum 8000 characters.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The ID of the service the Dictionary belongs to.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (UTC) when the item was updated.</td>
</tr>
</tbody>
</table>

**Actions**

**GET /service/ service_id /dictionary/ dictionary_id /items**

List of DictionaryItems given service and dictionary ID.

**Authentication**

API token of a user with at least **Engineer permissions**.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/dictionary/5clCytctJrnvPi8wjqPH0q/items HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "item_count": 1,
  "last_updated": "2019-06-04 19:23:11",
  "digest": "43ee763040973ca602549c94c5357a41c280afbb54e84d436af88f4e40d73081"
}
```
GET /service/service_id/dictionary/dictionary_id/item/item_key

Retrieve a single DictionaryItem given service, dictionary ID and item key.

Authentication

API token of a user with at least Engineer permissions.

Request Example

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/dictionary/5clCytcTJrnvPi8wjqPH0q/item/some_key
```

Response Example

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

[{
  "dictionary_id": "5clCytcTJrnvPi8wjqPH0q",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "item_key": "some_key",
  "item_value": "some_value",
  "created_at": "2016-04-21T18:14:32+00:00",
  "deleted_at": null,
  "updated_at": "2016-04-21T18:14:32+00:00"
}]
```

POST /service/service_id/dictionary/dictionary_id/item

Create DictionaryItem given service, dictionary ID, item key, and item value.

Authentication

API token of a user with at least Engineer permissions.

Request Example

```plaintext
POST /service/SU1Z0isxPaozGVKXdv0eY/dictionary/5clCytcTJrnvPi8wjqPH0q/item
```

Response Example

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

```
PUT /service/service_id/dictionary/dictionary_id/item/item_key

Upsert DictionaryItem given service, dictionary ID, item key, and item value.

Authentication
API token of a user with at least Engineer permissions.

Request Example

```bash
PUT /service/SU1Z0isxPaozGVKXdv0eY/dictionary/5clCytcTJrnvPi8wjqPH0q/item/some_key
```

```
HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json
```

```
item_value=new_value
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json
```

```
{
    "dictionary_id": "5clCytcTJrnvPi8wjqPH0q",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "item_key": "some_key",
    "item_value": "some_value",
    "created_at": "2016-04-21T18:14:32+00:00",
    "deleted_at": null,
    "updated_at": "2016-04-21T18:14:32+00:00"
}
```

PATCH /service/service_id/dictionary/dictionary_id/item/item_key

Update DictionaryItem given service, dictionary ID, item key, and item value.

Authentication
API token of a user with at least Engineer permissions.

Request Example

```bash
PATCH /service/SU1Z0isxPaozGVKXdv0eY/dictionary/5clCytcTJrnvPi8wjqPH0q/item/some_key
```

```
HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json
```

```
item_value=new_value
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json
```

```
{
    "dictionary_id": "5clCytcTJrnvPi8wjqPH0q",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "item_key": "some_key",
    "item_value": "new_value",
    "created_at": "2016-04-21T18:14:32+00:00",
    "deleted_at": null,
    "updated_at": "2016-04-21T18:14:32+00:00"
}
```
PATCH  /service/ service_id /dictionary/ dictionary_id /items

Update DictionaryItem in batch for given service, dictionary ID and key/value pairs for items.

Authentication

API token of a user with at least Engineer permissions.

Request Example

`PATCH /service/SU1Z0isxPaozGVXKxdv0eY/dictionary/5clCytctJrBnPi8wJqkPH0q/items HTTP/1.1`

```
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/json
Accept: application/json
```

```json
{
    "items": [
        {
            "op": "create",
            "item_key": "some_key",
            "item_value": "new_value"
        },
        {
            "op": "update",
            "item_key": "some_key",
            "item_value": "new_value"
        },
        {
            "op": "upsert",
            "item_key": "some_key",
            "item_value": "new_value"
        },
        {
            "op": "delete",
            "item_key": "some_key"
        }
    ]
}
```
Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>from</td>
<td>integer</td>
<td>The version number being diffed from.</td>
</tr>
<tr>
<td>to</td>
<td>integer</td>
<td>The version number being diffed to.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>The format the diff is being returned in (text, html or html_simple).</td>
</tr>
<tr>
<td>diff</td>
<td>string</td>
<td>The differences between two specified versions.</td>
</tr>
</tbody>
</table>

Actions

GET /service/ [service_id] /diff/from/ [from] /to/ [to]

Get diff between two versions

Authentication

API token.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>from</td>
<td>integer</td>
<td>The version to diff from. Can either be a positive number from 1 to your maximum version or a negative number from -1 down (-1 is latest version etc)</td>
</tr>
<tr>
<td>to</td>
<td>integer</td>
<td>The version to diff to. Uses same numbering scheme as from.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Optional method to format the diff field. Can either be text (default), html or html_simple.</td>
</tr>
</tbody>
</table>

Request Example

GET /service/SU1Z0ixsPaozGVKXdv0eY/diff/from/1/to/2 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

HTTP/1.1 200 OK
Content-Type: application/json
Director

A Director is responsible for balancing requests among a group of Backends. In addition to simply balancing, Directors can be configured to attempt retrying failed requests. Additionally, Directors have a quorum setting which can be used to determine when the Director as a whole is considered "up", in order to prevent "server whack-a-mole" following an outage as servers come back up.

Only directors created via the API can be modified via the API. Directors known as "autodirectors" that are created automatically when load balancing groups of servers together cannot be modified or retrieved via the API.

Fields
### GET /service/service_id/version/director

List the directors for a particular service and version

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/director

HTTP/1.1

Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[
  {
    "backends": [],
    "capacity": 100,
    "comment": "",
    "created_at": "2016-05-04T21:19:41+00:00",
    "deleted_at": null,
    "name": "test-director",
    "quorum": 75,
    "retries": 20,
    "service_id": "SU1Z0isxPaozGVXKdv0eY",
    "shield": null,
    "type": 1,
    "updated_at": "2016-05-04T21:29:15+00:00",
    "version": 1
  }
]
```

### Actions

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>backends</td>
<td>array</td>
<td>List of backend associated with this director.</td>
</tr>
<tr>
<td>capacity</td>
<td>integer</td>
<td>Unused.</td>
</tr>
<tr>
<td>comment</td>
<td>string</td>
<td>Description field.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the Director was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the Director was deleted.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>Name for the Director.</td>
</tr>
<tr>
<td>quorum</td>
<td>integer</td>
<td>The percentage of capacity that needs to be up for a director to be considered up. (default: 75)</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>shield</td>
<td>string</td>
<td>Selected POP to serve as a shield for the backends. Optional. Defaults to null meaning no origin shielding if not set. Refer to the datacenters API endpoint to get a list of available POPs used for shielding.</td>
</tr>
<tr>
<td>type</td>
<td>integer</td>
<td>What type of load balance group to use. Integer, 1, 3, or 4. Values: 1=random, 3=hash, 4=client. (default: 1)</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the Director was updated.</td>
</tr>
<tr>
<td>retries</td>
<td>integer</td>
<td>How many backends to search if it fails. (default: 5)</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
</tbody>
</table>
Get the director for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/director/test-director HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

\^ Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "backends": [],
  "capacity": 100,
  "comment": "",
  "created_at": "2016-05-04T21:19:41+00:00",
  "deleted_at": null,
  "name": "test-director",
  "quorum": 75,
  "retries": 10,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "shield": null,
  "type": 1,
  "updated_at": "2016-05-04T21:29:15+00:00",
  "version": 1
}
```

POST /service/service_id/version/version/director

Create a director for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

Request Example

```
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/director HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-director
```

\^ Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "backends": [],
  "capacity": 100,
  "comment": "",
  "created_at": "2016-05-04T21:16:22+00:00",
  "deleted_at": null,
  "name": "test-director",
  "quorum": 75,
  "retries": 5,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "shield": null,
  "type": 1,
  "updated_at": "2016-05-04T21:16:22+00:00",
  "version": 1
}
```

PUT /service/service_id/version/version/director/name

Update the director for a particular service and version

Authentication
DELETE API token of a user with at least Engineer permissions.

### Request Example

```plaintext
PUT /service/SU1Z0isxPaozGVXKXdv0eY/version/1/director/test-director HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

id=updated-director&retries=10
```

#### Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "backends": [],
  "capacity": 100,
  "comment": "",
  "created_at": "2016-05-04T21:19:41+00:00",
  "deleted_at": null,
  "name": "test-director",
  "quorum": 75,
  "retries": 10,
  "service_id": "SU1Z0isxPaozGVXKXdv0eY",
  "shield": null,
  "type": 1,
  "updated_at": "2016-05-04T21:19:41+00:00",
  "version": 1
}
```

---

DELETE /service/ service_id /version/ version /director/ name

Delete the director for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

### Request Example

```plaintext
DELETE /service/SU1Z0isxPaozGVXKXdv0eY/version/1/director/test-director HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

#### Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

---

**Director Backend**

Maps and relates backends as belonging to directors. Backends can belong to any number of directors but directors can only hold one reference to a specific backend.

**Fields**

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>backend_name</td>
<td>string</td>
<td>Name of the backend to map to the specified director.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the relationship was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the relationship was deleted.</td>
</tr>
<tr>
<td>director</td>
<td>string</td>
<td>Name of the director.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
</tbody>
</table>
### Actions

**GET**  
/service/ service_id /version/ version /director/ director_name /backend/ backend_name

Returns the relationship between a Backend and a Director. If the Backend has been associated with the Director, it returns a simple record indicating this. Otherwise, returns a 404.

**Authentication**  
*API token* of a user with at least [Engineer permissions](https://docs.fastly.com/api/permissions).

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>director_name</td>
<td>string</td>
<td>The director name.</td>
</tr>
</tbody>
</table>

**Request Example**

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/director/test-director/backend/test-backend HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json;charset=utf-8
```

```json
{
  "backend_name": "test-backend",
  "created_at": "2016-05-05T20:26:56+00:00",
  "deleted_at": null,
  "director_name": "test-director",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "updated_at": "2016-05-05T20:26:56+00:00",
  "version": 1
}
```

**POST**  
/service/ service_id /version/ version /director/ director_name /backend/ backend_name

Establishes a relationship between a Backend and a Director. The Backend is then considered a member of the Director and can be used to balance traffic onto.

**Authentication**  
*API token* of a user with at least [Engineer permissions](https://docs.fastly.com/api/permissions).

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>director_name</td>
<td>string</td>
<td>The director name.</td>
</tr>
</tbody>
</table>

**Request Example**

```plaintext
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/director/test-director/backend/test-backend HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json;charset=utf-8
```
DELETE /service/service_id/version/director/director_name/backend/backend_name

Deletes the relationship between a Backend and a Director. The Backend is no longer considered a member of the Director and thus will not have traffic balanced onto it from this Director.

Authentication

API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>director_name</td>
<td>string</td>
<td>The director name.</td>
</tr>
</tbody>
</table>

Request Example

DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/director/test-director/backend/test-backend HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

HTTP/1.1 200 OK
Content-Type: application/json;charset=utf-8

{
  "status": "ok"
}

Domain

A domain represents the domain name through which visitors will retrieve content. There can be multiple domains for a service.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>comment</td>
<td>string</td>
<td>A personal freeform descriptive note.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the domain or domains associated with this service.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
</tbody>
</table>

Actions

GET /service/service_id/version/domain/check_all

Checks the status of all domains’ DNS records for a Service Version. Returns an array of 3 items. The first is the details for the domain, the second is the current CNAME of the domain, and the third is a boolean indicating whether or not it has been properly setup to use Fastly.

Authentication

API token of a user with at least Engineer permissions.

Request Example

GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/domain/check_all HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
GET /service/service_id/version/domain/name/check

Checks the status of a specific domain’s DNS record for a Service Version. Returns an array in the same format as domain/check_all.

Authentication
API token of a user with at least Engineer permissions.

Request Example
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/domain/www.example.com/check
HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example
HTTP/1.1 200 OK
Content-Type: application/json

[{
  'comment': '',
  'name': 'www.example.com',
  'service_id': 'SU1Z0isxPaozGVKXdv0eY',
  'version': 1
},
  'global.prod.fastly.net.',
true
}

GET /service/service_id/version/domain

List all the domains for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/domain
HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example
HTTP/1.1 200 OK
Content-Type: application/json

[{
  'comment': '',
  'name': 'www.example.com',
  'service_id': 'SU1Z0isxPaozGVKXdv0eY',
  'version': 1
},
  'global.prod.fastly.net.',
true
}
GET `/service/service_id/version/domain/name`

Get the domain for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

Request Example

```
GET /service/SU1Z0isxPaozGVXKXdv0eY/version/1/domain/www.example.com HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
    "comment": "",
    "name": "www.example.com",
    "service_id": "SU1Z0isxPaozGVXKXdv0eY",
    "version": 1
}
```

POST `/service/service_id/version/domain`

Create a domain for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

Request Example

```
POST /service/SU1Z0isxPaozGVXKXdv0eY/version/1/domain HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=www.example.com
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
    "comment": "",
    "name": "www.example.com",
    "service_id": "SU1Z0isxPaozGVXKXdv0eY",
    "version": 1
}
```

PUT `/service/service_id/version/domain/old_name`

Update the domain for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

Parameters
<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the domain object (used to select the correct domain object if the name has been changed).</td>
</tr>
</tbody>
</table>

**Request Example**

```plaintext
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/domain/www.example.com HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=www.updated-example.com
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

{
    "comment": "",
    "name": "www.updated-example.com",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "version": 1
}
```

DELETE /service/service_id/version/version/domain/name

Delete the domain for a particular service and versions

**Authentication**

API token of a user with at least **Engineer permissions**.

**Request Example**

```plaintext
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/domain/test-domain HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

{
    "status": "ok"
}
```

**Gzip**

Gzip configuration allows you to choose resources to automatically compress.

**Fields**

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>cache_condition</td>
<td>string</td>
<td>The CACHE condition controlling when this gzip configuration applies. This field is optional.</td>
</tr>
<tr>
<td>content_types</td>
<td>string</td>
<td>Space-separated list of content types to compress. If you omit this field a default list will be used.</td>
</tr>
<tr>
<td>extensions</td>
<td>string</td>
<td>Space-separated list of file extensions to compress. If you omit this field a default list will be used.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the gzip configuration.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
</tbody>
</table>
## Actions

**GET /service/service_id/version/gzip**

List all gzip configurations for a particular service and version

**Authentication**

**API token** of a user with at least [Engineer permissions](https://docs.fastly.com/api/aio)

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/2/gzip HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[
    {
        "cache_condition": "",
        "content_types": "text/html text/css application/javascript",
        "extensions": "html css js",
        "name": "gzip-config-name",
        "service_id": "SU1Z0isxPaozGVKXdv0eY",
        "version": "1"
    }
]
```

**GET /service/service_id/version/gzip/name**

Get the gzip configuration for a particular service, version, and name.

**Authentication**

**API token** of a user with at least [Engineer permissions](https://docs.fastly.com/api/aio)

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the gzip object</td>
</tr>
</tbody>
</table>

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/2/gzip/fonts HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
    "cache_condition": "",
    "content_types": "text/html text/css application/javascript",
    "extensions": "html css js",
    "name": "gzip-config-name",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "version": "1"
}
```

**POST /service/service_id/version/gzip**

Create a named gzip configuration on a particular service and version

**Authentication**

**API token** of a user with at least [Engineer permissions](https://docs.fastly.com/api/aio)

**Request Example**
PUT /service/SU1Z0isxPaozGVXkdOeY/old_name HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

name=gzip-config-name
&cache_condition=
&extensions=text/html%20css%20js
&content_types=text/html%20text/css%20application/javascript

Response Example
HTTP/1.1 200 OK
Content-Type: application/json

{
    "cache_condition": "",
    "content_types": "text/html text/css application/javascript",
    "extensions": "html css js",
    "name": "gzip-config-name",
    "service_id": "SU1Z0isxPaozGVXkdOeY",
    "version": "1"
}

PUT /service/service_id/version/gzip/old_name

Update a named gzip configuration on a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the gzip object (used to select the correct gzip object if the name has been changed).</td>
</tr>
</tbody>
</table>

Request Example

PUT /service/SU1Z0isxPaozGVXkdOeY/old_name HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
    "cache_condition": "",
    "content_types": "text/html text/css application/javascript",
    "extensions": "html css js",
    "name": "gzip-config-name",
    "service_id": "SU1Z0isxPaozGVXkdOeY",
    "version": "1"
}

DELETE /service/service_id/version/gzip/name

Delete a named gzip configuration on a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>parameter</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-----------</td>
<td>---------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the gzip object</td>
</tr>
</tbody>
</table>

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/2/gzip HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```  

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```  

Header

Header objects are used to add, modify, or delete headers from requests and responses. The header content can be simple strings or be derived from variables inside Varnish. Regular expressions can be used to customize the headers even further.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>action</td>
<td>string</td>
<td>Accepts a string value, one of:</td>
</tr>
<tr>
<td>set</td>
<td>-</td>
<td>Sets (or resets) a header</td>
</tr>
<tr>
<td>append</td>
<td>-</td>
<td>Appends to an existing header</td>
</tr>
<tr>
<td>delete</td>
<td>-</td>
<td>Delete a header</td>
</tr>
<tr>
<td>regex</td>
<td>-</td>
<td>Perform a single regex replacement on a header</td>
</tr>
<tr>
<td>regex_repeat</td>
<td>-</td>
<td>Perform a global regex replacement on a header</td>
</tr>
<tr>
<td>cache_condition</td>
<td>string</td>
<td>Optional name of a CacheCondition to apply.</td>
</tr>
<tr>
<td>dst</td>
<td>string</td>
<td>Header to set.</td>
</tr>
<tr>
<td>ignore_if_set</td>
<td>integer</td>
<td>Don’t add the header if it is added already. (Only applies to ‘set’ action)</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>A handle to refer to this Header object.</td>
</tr>
<tr>
<td>priority</td>
<td>integer</td>
<td>Lower priorities execute first. (Default: 100.)</td>
</tr>
<tr>
<td>regex</td>
<td>string</td>
<td>Regular expression to use (Only applies to ’regex’ and ’regex_repeat’ actions).</td>
</tr>
<tr>
<td>request_condition</td>
<td>string</td>
<td>Optional name of a RequestCondition to apply.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>Optional name of a ResponseCondition to apply.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>src</td>
<td>string</td>
<td>Variable to be used as a source for the header content. (Does not apply to ‘delete’ action)</td>
</tr>
<tr>
<td>substitution</td>
<td>string</td>
<td>Value to substitute in place of regular expression. (Only applies to ‘regex’ and ‘regex_repeat’)</td>
</tr>
<tr>
<td>type</td>
<td>string</td>
<td>Accepts a string value, one of:</td>
</tr>
<tr>
<td>request</td>
<td>-</td>
<td>Performs on the request before lookup occurs</td>
</tr>
<tr>
<td>fetch</td>
<td>-</td>
<td>Performs on the request to the origin server</td>
</tr>
<tr>
<td>cache</td>
<td>-</td>
<td>Performs on the response before it’s stored in the cache</td>
</tr>
</tbody>
</table>
### Actions

**GET** /service/service_id/version/ header

Retrieves all Header objects for a particular Version of a Service.

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/header HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[
  {
    "action": "set",
    "cache_condition": null,
    "dst": "http.foo",
    "ignore_if_set": 0,
    "name": "testheader",
    "priority": "10",
    "regex": "",
    "request_condition": null,
    "response_condition": null,
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "src": "client.ip",
    "substitution": "",
    "type": "request",
    "version": "1"
  }
]
```

**GET** /service/service_id/version/ header

Retrieves a Header object by name.

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/header/testheader HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[]
```
POST /service/service_id/version/header

Creates a new Header object.

Authentication
API token of a user with at least Engineer permissions.

Request Example
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/header

HTTP/1.1

Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=testheader&type=request&action=set&dst=http.foo&src=client.ip&ignore_if_set=0&priority=10

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
  "action": "set",
  "cache_condition": null,
  "dst": "http.foo",
  "ignore_if_set": 0,
  "name": "testheader",
  "priority": "10",
  "regex": "",
  "request_condition": null,
  "response_condition": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "src": "client.ip",
  "substitution": "",
  "type": "request",
  "version": "1"
}

PUT /service/service_id/version/header/old_name

Modifies an existing Header object by name.

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the header object (used to select the correct header object if the name has been changed).</td>
</tr>
</tbody>
</table>

Request Example
DELETE /service/service_id/version/version/header/name

Deletes a Header object by name.

Authentication

API token of a user with at least Engineer permissions.

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/header/testheader HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

```
name=updatedtestheader&type=fetch&action=append&dst=http.foo&src=client.ip&ignore_if_set=0&priority=10
```

▼ Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

Healthcheck

Healthchecks are used to customize the way Fastly checks on your Backends. If an origin server is marked unhealthy due to health checks, Fastly will stop attempting to send requests to it. If all origin servers are marked unhealthy, Fastly will attempt to serve stale. If no stale object is available, a 503 will be returned to the client.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>check_interval</td>
<td>integer</td>
<td>How often to run the healthcheck in milliseconds.</td>
</tr>
<tr>
<td>comment</td>
<td>string</td>
<td>A comment.</td>
</tr>
<tr>
<td>expected_response</td>
<td>integer</td>
<td>The status code expected from the host.</td>
</tr>
<tr>
<td>host</td>
<td>string</td>
<td>Which host to check.</td>
</tr>
<tr>
<td>http_version</td>
<td>integer</td>
<td>Whether to use version 1.0 or 1.1 HTTP.</td>
</tr>
</tbody>
</table>
### Field Descriptions

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>initial</td>
<td>integer</td>
<td>When loading a config, the initial number of probes to be seen as OK.</td>
</tr>
<tr>
<td>method</td>
<td>string</td>
<td>Which HTTP method to use.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the healthcheck.</td>
</tr>
<tr>
<td>path</td>
<td>string</td>
<td>The path to check.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>threshold</td>
<td>integer</td>
<td>How many healthchecks must succeed to be considered healthy.</td>
</tr>
<tr>
<td>timeout</td>
<td>integer</td>
<td>Timeout in milliseconds.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
<tr>
<td>window</td>
<td>integer</td>
<td>The number of most recent healthcheck queries to keep for this healthcheck.</td>
</tr>
</tbody>
</table>

### Actions

**GET /service/service_id/version/healthcheck**

List all of the healthchecks for a particular service and version

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/healthcheck HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[
  {
    "check_interval": 5000,
    "comment": "",
    "expected_response": 200,
    "host": "example.com",
    "http_version": "1.1",
    "initial": 2,
    "method": "HEAD",
    "name": "example-healthcheck",
    "path": "/test.txt",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "threshold": 3,
    "timeout": 500,
    "version": 1,
    "window": 5
  }
]
```

**GET /service/service_id/version/healthcheck/name**

Get the healthcheck for a particular service and version

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/healthcheck/example-healthcheck HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
```
POST /service/service_id/version/healthcheck

Create a healthcheck for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example

POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/healthcheck HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json
name=example-healthcheck&host=example.com&path=/test.txt

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

```
{}
```

PUT /service/service_id/version/healthcheck/old_name

Update the healthcheck for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the healthcheck object (used to select the correct healthcheck object if the name has been changed).</td>
</tr>
</tbody>
</table>

Request Example
DELETE /service/service_id/version/version/healthcheck/healthcheck

Delete the healthcheck for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

Request Example

DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/healthcheck/example-healthcheck

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
  "check_interval": 5000,
  "comment": "",
  "expected_response": 200,
  "host": "example.com",
  "http_version": "1.1",
  "initial": 2,
  "method": "HEAD",
  "name": "updated-healthcheck",
  "path": "/test.txt",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "threshold": 3,
  "timeout": 500,
  "version": 1,
  "window": 5
}

Request Settings

Settings used to customize Fastly's request handling. When used with Conditions the Request Settings object allows you to fine tune how specific types of requests are handled.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>action</td>
<td>string</td>
<td>Allows you to terminate request handling and immediately perform an action. When set it can be lookup or pass (ignore the cache completely).</td>
</tr>
<tr>
<td>bypass_busy_wait</td>
<td>boolean</td>
<td>Disable collapsed forwarding, so you don't wait for other objects to origin.</td>
</tr>
<tr>
<td>default_host</td>
<td>string</td>
<td>Sets the host header.</td>
</tr>
<tr>
<td>force_miss</td>
<td>boolean</td>
<td>Allows you to force a cache miss for the request. Replaces the item in the cache if the content is cacheable.</td>
</tr>
<tr>
<td>force_ssl</td>
<td>boolean</td>
<td>Forces the request use SSL (redirects a non-SSL to SSL).</td>
</tr>
</tbody>
</table>
### Field Descriptions

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>geo_headers</td>
<td>boolean</td>
<td>Injects Fastly-Geo-Country, Fastly-Geo-City, and Fastly-Geo-Region into the request headers.</td>
</tr>
<tr>
<td>hash_keys</td>
<td>string</td>
<td>Comma separated list of varnish request object fields that should be in the hash key.</td>
</tr>
<tr>
<td>max_stale_age</td>
<td>integer</td>
<td>How old an object is allowed to be to serve stale-if-error or stale-while-revalidate.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>Name for the request settings.</td>
</tr>
<tr>
<td>request_condition</td>
<td>string</td>
<td>Name of condition object used to test whether or not these settings should be used.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>timer_support</td>
<td>boolean</td>
<td>Injects the X-Timer info into the request for viewing origin fetch durations.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
<tr>
<td>xff</td>
<td>string</td>
<td>Short for X-Forwarded-For, should be clear, leave, append, append_all, or overwrite.</td>
</tr>
</tbody>
</table>

### Actions

**GET /service/service_id/version/request_settings**

Returns a list of all Request Settings objects for the given service and version.

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/request_settings HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[{
  "action": "lookup",
  "bypass_busy_wait": "0",
  "default_host": "null",
  "force_miss": "0",
  "force_ssl": "1",
  "geo_headers": "1",
  "hash_keys": "null",
  "max_stale_age": "60",
  "name": "testrequest",
  "request_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timer_support": "0",
  "version": "1",
  "xff": "append"
}
]
```

**GET /service/service_id/version/request_settings/name**

Gets the specified Request Settings object.

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/request_settings/testrequest HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**
POST /service/service_id/version/version/request_settings

Creates a new Request Settings object.

Authentication

**API token** of a user with at least **Engineer permissions**.

Request Example

```
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/request_settings HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

hash_keys=null&action=lookup&xff=append&force_miss=0&timer_support=0&force_ssl=1&geo_headers=1&name=testrequest&bypass_busy_wait=0&max_stale_age=60
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
    "action": "lookup",
    "bypass_busy_wait": "0",
    "default_host": null,
    "force_miss": "0",
    "force_ssl": "1",
    "geo_headers": "1",
    "hash_keys": "null",
    "max_stale_age": "60",
    "name": "testrequest",
    "request_condition": "",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "timer_support": "0",
    "version": "1",
    "xff": "append"
}
```

PUT /service/service_id/version/version/request_settings/old_name

Updates the specified Request Settings object.

Authentication

**API token** of a user with at least **Engineer permissions**.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the Request Settings object (used to select the correct Request Settings object if the name has been changed).</td>
</tr>
</tbody>
</table>
### Request Example

```plaintext
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/request_settings/testrequest HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

hash_keys=null&action=lookup&xff=append&force_miss=0&timer_support=0&force_ssl=1&geo_headers=1&name=updated-testrequest&bypass_busy_wait=0&max_stale_age=60
```

### Response Example

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

{

  'action': 'lookup',
  'bypass_busy_wait': 0,
  'default_host': null,
  'force_miss': 0,
  'force_ssl': 1,
  'geo_headers': 1,
  'hash_keys': 'null',
  'max_stale_age': 60,
  'name': 'updated-testrequest',
  'request_condition': '',
  'service_id': 'SU1Z0isxPaozGVKXdv0eY',
  'timer_support': 0,
  'version': '1',
  'xff': 'append'
}
```

DELETE /service/service_id/version/version/request_settings/name

Removes the specified Request Settings object.

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```plaintext
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/request_settings/testrequest HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

{

  'status': 'ok'
}
```

### Response Object

Allows you to create synthetic responses that exist entirely on the varnish machine. Useful for creating error or maintenance pages that exist outside the scope of your datacenter. Best when used with Condition objects.

**Fields**

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>cache_condition</td>
<td>string</td>
<td>Name of the condition checked after we have retrieved an object. If the condition passes then deliver this Request Object instead.</td>
</tr>
<tr>
<td>content</td>
<td>string</td>
<td>The content to deliver for the response object, can be empty.</td>
</tr>
<tr>
<td>content_type</td>
<td>string</td>
<td>The MIME type of the content, can be empty.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>Name that identifies the Response Object.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>------------------</td>
<td>--------</td>
<td>----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>status</td>
<td>string</td>
<td>The HTTP Status Code, defaults to 200.</td>
</tr>
<tr>
<td>response</td>
<td>string</td>
<td>The HTTP Response, defaults to &quot;Ok&quot;</td>
</tr>
<tr>
<td>request_condition</td>
<td>string</td>
<td>Name of the condition to be checked during the request phase. If the condition passes then this object will be delivered.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
</tbody>
</table>

### Actions

**GET /service/service_id/version/response_object**

Returns all Response Objects for the specified service and version.

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/response_object HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```json
HTTP/1.1 200 OK
Content-Type: application/json

[
  {
    "cache_condition": "",
    "content": "this message means all is okay",
    "content_type": "text/plain",
    "name": "testresponse",
    "request_condition": "",
    "response": "Ok",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "status": "200",
    "version": "1"
  }
]
```

**GET /service/service_id/version/response_object/name**

Gets the specified Response Object.

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/response_object/testresponse HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```json
HTTP/1.1 200 OK
Content-Type: application/json

[ ]
```
```json
{
    "cache_condition": "",
    "content": "this message means all is okay",
    "content_type": "text/plain",
    "name": "testresponse",
    "request_condition": "",
    "response": "Ok",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "status": "200",
    "version": "1"
}
```

**POST /service/service_id/version/response_object**

Creates a new Response Object.

**Authentication**

API token of a user with at least **Engineer permissions**.

**Request Example**

```plaintext
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/response_object HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

status=200&response=Ok&name=testresponse&content=this+message+means+all+is+okay
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

{
    "cache_condition": "",
    "content": "this message means all is okay",
    "content_type": null,
    "name": "testresponse1",
    "request_condition": "",
    "response": "Ok",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "status": "200",
    "version": "1"
}
```

**PUT /service/service_id/version/response_object/old_name**

Updates the specified Response Object.

**Authentication**

API token of a user with at least **Engineer permissions**.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the Response object (used to select the correct Response object if the name has been changed).</td>
</tr>
</tbody>
</table>

**Request Example**

```plaintext
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/response_object/testresponse HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

status=200&response=Ok&name=testresponse&content=THIS+MESSAGE+MEANS+ALL+IS+OKAY
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json
```
**DELETE /service/service_id/version/response_object/name**

Deletes the specified Response Object.

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/response_object/testresponse HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

## Service

A Service represents the configuration for a website, app, API, or anything else to be served through Fastly. A Service can have many Versions, through which Backends, Domains, and more can be configured.

### Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>active</td>
<td>boolean</td>
<td>Indicates if the version is active for this service.</td>
</tr>
<tr>
<td>active_version</td>
<td>array</td>
<td>List of configuration for active version of a service.</td>
</tr>
<tr>
<td>backends</td>
<td>array</td>
<td>List of backend associated to this service.</td>
</tr>
<tr>
<td>cache_settings</td>
<td>array</td>
<td>List of cache_settings associated to this service.</td>
</tr>
<tr>
<td>comment</td>
<td>string</td>
<td>Description field.</td>
</tr>
<tr>
<td>conditions</td>
<td>array</td>
<td>List of conditions associated to this service.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the service was created.</td>
</tr>
<tr>
<td>customer_id</td>
<td>string</td>
<td>Which customer this service belongs to.</td>
</tr>
<tr>
<td>deployed</td>
<td>boolean</td>
<td>Unused at this time.</td>
</tr>
<tr>
<td>directors</td>
<td>array</td>
<td>List of directors associated to this service.</td>
</tr>
<tr>
<td>domain</td>
<td>array</td>
<td>List of domains associated to this service.</td>
</tr>
<tr>
<td>gzipss</td>
<td>array</td>
<td>List of gzip rules associated to this service.</td>
</tr>
<tr>
<td>headers</td>
<td>array</td>
<td>List of headers associated to this service.</td>
</tr>
<tr>
<td>healthchecks</td>
<td>array</td>
<td>List of healthchecks associated to this service.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>---------------</td>
<td>---------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>locked</td>
<td>boolean</td>
<td>Indicates if this version is locked and uneditable.</td>
</tr>
<tr>
<td>logging_syslog</td>
<td>array</td>
<td>List of logging services associated to this service.</td>
</tr>
<tr>
<td>number</td>
<td>integer</td>
<td>Current version number of this service.</td>
</tr>
<tr>
<td>request_settings</td>
<td>array</td>
<td>List of request_settings for this service.</td>
</tr>
<tr>
<td>response_objects</td>
<td>array</td>
<td>List of response_objects for this service.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of this service.</td>
</tr>
<tr>
<td>publish_key</td>
<td>string</td>
<td>What key to use for the publish streams.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>settings</td>
<td>array</td>
<td>List of default settings for this service.</td>
</tr>
<tr>
<td>snippets</td>
<td>array</td>
<td>List of VCL snippets for this service.</td>
</tr>
<tr>
<td>staging</td>
<td>boolean</td>
<td>Unused at this time.</td>
</tr>
<tr>
<td>testing</td>
<td>boolean</td>
<td>Unused at this time.</td>
</tr>
<tr>
<td>type</td>
<td>string</td>
<td>The type of this service.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the service was updated. This Time-stamp is not updated when dependent child objects are updated, only when attributes of the service itself are updated.</td>
</tr>
<tr>
<td>vcls</td>
<td>array</td>
<td>List of VCL for this service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of this service.</td>
</tr>
<tr>
<td>versions</td>
<td>array</td>
<td>A list of versions associated with this service.</td>
</tr>
<tr>
<td>wordpress</td>
<td>array</td>
<td>A list of wordpress rules with this service.</td>
</tr>
</tbody>
</table>

**Actions**

**GET /service**

**List Services**

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```bash
get /service HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```bash
HTTP/1.1 200 OK
Content-Type: application/json
```
GET /service/ id /details

List detailed information on a specified service

Authentication
API token of a user with at least Engineer permissions.

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/details HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json
```
GET /service/search

Get a specific service by name

Authentication

API token of a user with at least Engineer permissions.

Request Example

GET /service/search?name=test-service HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

HTTP/1.1 200 OK
Content-Type: application/json
GET /service/id

Get a specific service by id

Authentication

**API token** of a user with at least **Engineer permissions**.

**Request Example**

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json
```
```
{
    "comment": "",
    "created_at": "2016-04-27T19:40:49+00:00",
    "customer_id": "x4xwxxJxGCx123R5xTx",
    "deleted_at": null,
    "id": "SU1Z0isxPaozGVKXdv0eY",
    "name": "test-service",
    "publish_key": "3c18bd0f5ada8f0cf54724d86c514a8eac4c9b75",
    "type": "vcl",
    "updated_at": "2016-04-27T19:40:49+00:00",
    "versions": [
        {
            "active": null,
            "backend": 1,
            "comment": "",
            "created_at": "2016-04-27T19:40:49",
            "deployed": null,
            "locked": true,
            "number": 1,
            "service": "SU1Z0isxPaozGVKXdv0eY",
            "service_id": "SU1Z0isxPaozGVKXdv0eY",
            "staging": null,
            "testing": null,
            "updated_at": "2016-05-09T16:27:00"
        }
    ]
}
```

GET /service/ id /domain

List the domains within a service

Authentication

**API token** of a user with at least [Engineer permissions](#).

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/domain HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

[
    {
        "comment": "",
        "locked": true,
        "name": "www.example.com",
        "service_id": "SU1Z0isxPaozGVKXdv0eY",
        "version": 1
    }
]
```

POST /service

Create a service

Authentication

**API token** of a user with at least [Engineer permissions](#).

Request Example

```
POST /service HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-service
```

https://docs.fastly.com/api/aio
**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
    "comment": "",
    "created_at": "2016-05-09T20:46:46+00:00",
    "customer_id": "x4xCwxJxGCx123Rx5xTx",
    "deleted_at": null,
    "id": "SU1Z0isxPaozGVKXdv0eY",
    "name": "test-service",
    "publish_key": "6c8a846405a7293dd13c0c7291ebf011fa4354e3",
    "type": "vcl",
    "updated_at": "2016-05-09T20:46:46+00:00",
    "versions": [
        {
            "active": null,
            "backend": 0,
            "comment": "",
            "created_at": "2016-05-09T20:46:46",
            "deployed": null,
            "locked": "0",
            "number": "1",
            "type": "vcl",
            "service": "SU1Z0isxPaozGVKXdv0eY",
            "service_id": "SU1Z0isxPaozGVKXdv0eY",
            "staging": null,
            "testing": null,
            "updated_at": "2016-05-09T20:46:46"
        }
    ]
}
```

**PUT /service/ id**

Update a service

Authentication

**API token** of a user with at least **Engineer permissions**.

**Request Example**

```
PUT /service/SU1Z0isxPaozGVKXdv0eY HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json
ame=updated-service-name
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json
```
DELETE /service/ id

Delete a service

Authentication

API token of a user with at least Engineer permissions.

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

Settings

Handles default settings for a particular version of a service.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>general.default_host</td>
<td>string</td>
<td>The default host name for the version.</td>
</tr>
<tr>
<td>general.default_ttl</td>
<td>integer</td>
<td>The default time-to-live (TTL) for the version.</td>
</tr>
<tr>
<td>general.stale_if_error</td>
<td>boolean</td>
<td>Enables serving a stale object if there is an error. Default: false.</td>
</tr>
<tr>
<td>general.stale_if_error_ttl</td>
<td>integer</td>
<td>The default time-to-live (TTL) for serving the stale object for the version. Default: 43200 seconds.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
</tbody>
</table>
**Actions**

GET /service/service_id/version/settings

Get the settings for a particular service and version.

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```bash
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/settings HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ **Response Example**

```json
HTTP/1.1 200 OK
Content-Type: application/json

{
  "general.default_host": "",
  "general.default_ttl": 3600,
  "general.stale_if_error": false,
  "general.stale_if_error_ttl": 43200,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": 1
}
```

**PUT /service/service_id/version/settings**

Update the settings for a particular service and version.

**NOTE:** If you override TTLs with custom VCL, any [general.default_ttl] value will not be honored and the expected behavior may change.

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```bash
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/settings HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

general.default_ttl=4242&general.default_host=www.example.com
```

▼ **Response Example**

```json
HTTP/1.1 200 OK
Content-Type: application/json

{
  "general.default_host": "www.example.com",
  "general.default_ttl": 7200,
  "general.stale_if_error": false,
  "general.stale_if_error_ttl": 43200,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": 1
}
```

**Stats**

Stats give you information on the usage and performance of your Service. They can be request by Service and over a particular time span. Stats are broken down per datacenter, giving you information on how your Services are being used across the world. There is now a more flexible, and fully featured Stats API available.

**Fields**

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>start_time</td>
<td>integer</td>
<td>Epoch timestamp for period request</td>
</tr>
</tbody>
</table>
**Actions**

**GET** /service/service_id/stats/summary

Get the stats from a service for a block of time. This lists all stats by PoP location, starting with AMS. This call requires parameters to select block of time to query. Use either a timestamp range (using `start_time` and `end_time`) or a specified month/year combo (using `month` and `year`)

**Authentication**

API token.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/stats/summary?year=2013&month=7 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
    "stats": {
        "AMS": {
            "attack_block": 0,
            "attack_body_size": 0,
            "attack_header_size": 0,
            "attack_synth": 0,
            "blacklist": 0,
            "body_size": 47156,
            "header_size": 2548,
            "hits": 0,
            "hits_time": 0.0,
            "http2": 0,
            "imgopto": 0,
            "ipv6": 0,
            "log": 0,
            "miss": 0,
            "miss_time": 0.0,
            "orig_req_body_size": 0,
            "orig_req_header_size": 0,
            "orig_resp_body_size": 0,
            "orig_resp_header_size": 0,
            "otfp": 0,
            "pass": 3,
            "pci": 0,
            "pipe": 0,
            "requests": 3,
            "shield": 0,
            "status_1xx": 0,
            "status_200": 3,
            "status_204": 0,
            "status_3xx": 3,
            "status_301": 0,
            "status_302": 0,
            "status_304": 0,
            "status_4xx": 0,
            "status_5xx": 0,
            "synth": 0,
            "tls": 0,
            "uncacheable": 0,
            "video": 0
        },
        "additional_data_centers": {}
    }
}
```
VCL

A VCL is a Varnish configuration file used to customize the configuration for a Service.

### Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>content</td>
<td>string</td>
<td>The VCL code to be included.</td>
</tr>
<tr>
<td>main</td>
<td>boolean</td>
<td>Set to true when this is the main VCL, otherwise false.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of this VCL.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
</tbody>
</table>

### Actions

**GET /service/service_id/version/vcl**

List the uploaded VCLs for a particular service and version

**Authentication**  
API token of a user with at least Engineer permissions.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/vcl HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[
  {
    "content": "backend default 
      .host = "127.0.0.1";
      .port = "9092";
      \n      sub vcl_recv {
        set req.backend = default;
        sub vcl_hash {
          set req.hash += req.url;
          set req.hash += req.http.host;
        }
        "main": false,
        "name": "test-vcl",
        "service_id": "SU1Z0isxPaozGVKXdv0eY",
        "version": 1
  }
]
```

**GET /service/service_id/version/boilerplate**

Return boilerplate VCL with the service's TTL from the settings.

**Authentication**  
API token of a user with at least Engineer permissions.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/boilerplate HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: text/html;charset=utf8

*VCL*
Get the uploaded VCL for a particular service and version

**Authentication**

**API token** of a user with at least **Engineer permissions**.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>no_content</td>
<td>boolean</td>
<td>Omit VCL content (default 0)</td>
</tr>
</tbody>
</table>

**Request Example**

```http
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/vcl/test-vcl HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```json
{
    "content": 
    "backend default {
        \n        .host = "127.0.0.1"
        \n        .port = "9092"
        \n        sub vcl_recv {
            \n            host = "default"
            \n            sub vcl_hash {
                \n                hash = ""test-vcl"
                \n                service_id: "SU1Z0isxPaozGVKXdv0eY"
                \n                version: 1
            }
        }
    }
}
```

---

Get the uploaded VCL for a particular service and version with HTML syntax highlighting Include line numbers by sending 

```
limeno=true
```

as a request parameter

**Authentication**

**API token** of a user with at least **Engineer permissions**.

**Request Example**

```http
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/vcl/test-vcl/content HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```json
{
    "content": "&lt;div class="highlighter"&gt;&lt;pre class="highlight">

backends

default

host

sub vcl_recv

host = "default"

sub vcl_hash

hash = "test-vcl"

service_id: "SU1Z0isxPaozGVKXdv0eY"

version: 1

    

\</pre&gt;&lt;/div&gt;
```

---

Download the specified VCL
Authentication

**API token** of a user with at least **Engineer permissions**.

## Request Example

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/vcl/test-vcl/download HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
```

## Response Example

```plaintext
HTTP/1.1 200 OK
Content-Type: text/plain

*VCL*
```

GET /service/ service_id /version/ version /generated_vcl

Display the generated VCL for a particular service and version

Authentication

**API token** of a user with at least **Engineer permissions**.

### Request Example

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/generated_vcl HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

### Response Example

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

```

```
{  "content": "backend default {  \n    .host = "127.0.0.1";  \n    .port = "9093";  \n  }\n  ns vcl_recv {  \n    set req.backend = default;  \n    ns vcl_hash {  \n      set req.hash += req.url;  \n      set req.hash += req.http.host;  \n      set req.hash += "0";  \n    },  "main": false,  "name": "c46e2d848a9d3d9e86b85bd1b71616b?",  "service_id": "SU1Z0isxPaozGVKXdv0eY",  "version": "1"
  }
}
```

GET /service/ service_id /version/ version /generated_vcl/content

Display the content of generated VCL with HTML syntax highlighting Include line numbers by sending [lineno=true] as a request parameter

Authentication

**API token** of a user with at least **Engineer permissions**.

### Request Example

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/generated_vcl/content HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

### Response Example

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

```

```

```
Fastly API Documentation

**POST** /service/service_id/version/vcl

Upload a VCL for a particular service and version

**API token** of a user with at least [Engineer permissions](#).

**Request Example**

```plaintext
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/vcl HTTP/1.1

Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-vcl&content=<URL-encoded VCL code>
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

{
        "content": "backend default \n .host = "127.0.0.1" ; \n .port = "8080" ; \n ns sub vcl_recv \n ( \n set req.backend = default ; \n ns sub vcl_hash \n ( \n set req.hash += req.url ; \n set req.hash += req.http.host ; \n set req.hash += "0" ; \n ) ,
        "main": false,
        "name": "test-vcl",
        "service_id": "SU1Z0isxPaozGVKXdv0eY",
        "version": 1
    }
```

**PUT** /service/service_id/version/vcl/name/main

Set the specified VCL as the main

**API token** of a user with at least [Engineer permissions](#).

**Request Example**

```plaintext
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/vcl/test-vcl/main HTTP/1.1

Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json
```
Update the uploaded VCL for a particular service and version

Authentication

**API token** of a user with at least [Engineer permissions](#).

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the VCL object (used to select the correct VCL object if the name has been changed).</td>
</tr>
</tbody>
</table>

Request Example

```bash
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/vcl/test-vcl
HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json
content=<URL-encoded VCL code>
```

Response Example

```json
HTTP/1.1 200 OK
Content-Type: application/json

{
  "content": "backend default {
    .host = "127.0.0.1";
    .port = "9092";
  }
  sub vcl_recv {
    set req.backend = default;
  }
  sub vcl_hash {
    set req.hash += req.url;
    set req.hash += req.http.host;
    set req.hash += "0";
  }
  }",
  "main": false,
  "name": "test-vcl",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": 1
}
```

Delete the uploaded VCL for a particular service and version

Authentication

**API token** of a user with at least [Engineer permissions](#).

Request Example

```bash
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/vcl/test-vcl
HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```json
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```
VCL Snippets

VCL Snippets are blocks of VCL logic inserted into your service's configuration that don't require custom VCL.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>The name for the snippet.</td>
</tr>
<tr>
<td>dynamic</td>
<td>integer</td>
<td>Sets the snippet version to regular (0) or dynamic (1).</td>
</tr>
<tr>
<td>type</td>
<td>string</td>
<td>The location in generated VCL where the snippet should be placed.</td>
</tr>
<tr>
<td>init</td>
<td>-</td>
<td>Place the snippet above all subroutines.</td>
</tr>
<tr>
<td>recv</td>
<td>-</td>
<td>Place the snippet within the vcl_recv subroutine but below the boilerplate VCL and above any objects.</td>
</tr>
<tr>
<td>hash</td>
<td>-</td>
<td>Place the snippet within the vcl_hash subroutine.</td>
</tr>
<tr>
<td>hit</td>
<td>-</td>
<td>Place the snippet within the vcl_hit subroutine.</td>
</tr>
<tr>
<td>miss</td>
<td>-</td>
<td>Place the snippet within the vcl_miss subroutine.</td>
</tr>
<tr>
<td>pass</td>
<td>-</td>
<td>Place the snippet within the vcl_pass subroutine.</td>
</tr>
<tr>
<td>fetch</td>
<td>-</td>
<td>Place the snippet within the vcl_fetch subroutine.</td>
</tr>
<tr>
<td>error</td>
<td>-</td>
<td>Place the snippet within the vcl_error subroutine.</td>
</tr>
<tr>
<td>deliver</td>
<td>-</td>
<td>Place the snippet within the vcl_deliver subroutine.</td>
</tr>
<tr>
<td>log</td>
<td>-</td>
<td>Place the snippet within the vcl_log subroutine.</td>
</tr>
<tr>
<td>none</td>
<td>-</td>
<td>Don't render the snippet in VCL so it can be manually included in custom VCL.</td>
</tr>
<tr>
<td>content</td>
<td>string</td>
<td>The VCL code that specifies exactly what the snippet does.</td>
</tr>
<tr>
<td>priority</td>
<td>integer</td>
<td>Priority determines the ordering for multiple snippets. Lower numbers execute first.</td>
</tr>
</tbody>
</table>

Actions

GET /service/service_id/snippet/snippet_id

Get a single dynamic snippet for a particular service.

Authentication

API token of a user with at least Engineer permissions.

Request Example

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/snippet/SU1Z0isxPaozGVKXdv0eY HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```json
HTTP/1.1 200 OK
Content-Type: application/json

{
    "snippet_id": "3SjAjcCc6e5gKxXc44f1B",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "content": "{}",
    "created_at": "2016-08-15T09:37:10+00:00",
    "updated_at": "2016-08-15T09:37:10+00:00"
}
```

List all snippets for a particular service and version.

Authentication
**API token** of a user with at least **Engineer permissions**.

### Request Example

**GET** /service/SU1Z0isxPaozGVXKxdv0eY/version/1/snippet  HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

### Response Example

HTTP/1.1 200 OK
Content-Type: application/json

```json
[
  {
    "id": "62Yd1WfiCBPENLloXfXmlO",
    "service_id": "SU1Z0isxPaozGVXKxdv0eY",
    "version": "1",
    "name": "my_snippet",
    "priority": "100",
    "dynamic": "1",
    "type": "hit",
    "content": null,
    "created_at": "2016-08-15T09:37:10+00:00",
    "updated_at": "2016-08-15T09:37:10+00:00",
    "deleted_at": null
  }
]
```

### GET  /service/service_id/version/1/snippet/name

Get a single snippet for a particular service and version.

#### Authentication

**API token** of a user with at least **Engineer permissions**.

#### Request Example

**GET** /service/SU1Z0isxPaozGVXKxdv0eY/version/1/snippet/my_snippet  HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

#### Response Example

HTTP/1.1 200 OK
Content-Type: application/json

```json
{
  "id": "62Yd1WfiCBPENLloXfXmlO",
  "service_id": "SU1Z0isxPaozGVXKxdv0eY",
  "version": "1",
  "name": "my_snippet",
  "priority": "100",
  "dynamic": "1",
  "type": "hit",
  "content": null,
  "created_at": "2016-08-15T09:37:10+00:00",
  "updated_at": "2016-08-15T09:37:10+00:00",
  "deleted_at": null
}
```

### POST  /service/service_id/version/1/snippet

Create a snippet for a particular service and version.

#### Authentication

**API token** of a user with at least **Engineer permissions**.

#### Request Example

**POST** /service/SU1Z0isxPaozGVXKxdv0eY/version/1/snippet  HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json
PUT /service/service_id/snippet/snippet_id

Update a dynamic snippet for a particular service.

Authentication
API token of a user with at least Engineer permissions.

Request Example

```plaintext
PUT /service/SU1Z0isxPaozGVKXdv0eY/snippet/62Yd1WfiCBPENLloXfXmlO

HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

content="backend new_backend {}"
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "snippet_id": "62Yd1WfiCBPENLloXfXmlO",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "name": "my_snippet",
  "priority": "100",
  "type": "hit",
  "content": "null",
  "created_at": "2016-08-15T09:37:10+00:00",
  "updated_at": "2016-08-15T09:42:10+00:00",
  "deleted_at": null
}
```

PUT /service/service_id/version/version/snippet/old_name

Update a specific snippet for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Request Example

```plaintext
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/snippet/my_snippet

HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=new_snippet_name
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "snippet_id": "62Yd1WfiCBPENLloXfXmlO",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "content": "backend new_backend {}",
  "created_at": "2016-08-15T09:37:10+00:00",
  "updated_at": "2016-08-15T09:42:10+00:00"
}
```
DELETE /service/service_id/version/snippet/name

Delete a specific snippet for a particular service and version.

Authentication

API token of a user with at least **Engineer** permissions.

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/snippet/my_snippet
HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

Version

A Version represents a specific instance of the configuration for a service. A Version can be cloned, locked, activated, or deactivated.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>active</td>
<td>boolean</td>
<td>Whether this is the active version or not.</td>
</tr>
<tr>
<td>comment</td>
<td>string</td>
<td>A comment.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the version was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the version was deleted.</td>
</tr>
<tr>
<td>deployed</td>
<td>boolean</td>
<td>Unused at this time.</td>
</tr>
<tr>
<td>locked</td>
<td>boolean</td>
<td>Whether this is locked or not. Objects can not be added or edited on locked versions.</td>
</tr>
<tr>
<td>number</td>
<td>integer</td>
<td>The number of this version.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>staging</td>
<td>boolean</td>
<td>Unused at this time.</td>
</tr>
<tr>
<td>testing</td>
<td>boolean</td>
<td>Unused at this time.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the version was updated.</td>
</tr>
</tbody>
</table>

Actions

GET /service/service_id/version
List the versions for a particular service.

**Authentication**

API token.

**Request Example**

```
GET /service/SU1Z0isxPaozOVKXdv0eY/version HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[{
   "active": true,
   "comment": "",
   "created_at": "2016-05-01T19:40:49+00:00",
   "deleted_at": null,
   "deployed": null,
   "locked": true,
   "number": 1,
   "service_id": "SU1Z0isxPaozOVKXdv0eY",
   "staging": null,
   "testing": null,
   "updated_at": "2016-05-09T16:19:09+00:00"
}]
```

GET /service/ service_id /version/ number

Get the version for a particular service.

**Authentication**

API token.

**Request Example**

```
GET /service/SU1Z0isxPaozOVKXdv0eY/version/1 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
   "active": true,
   "comment": "",
   "created_at": "2016-05-01T19:40:49+00:00",
   "deleted_at": null,
   "deployed": null,
   "locked": true,
   "number": 1,
   "service_id": "SU1Z0isxPaozOVKXdv0eY",
   "staging": null,
   "testing": null,
   "updated_at": "2016-05-09T16:19:09+00:00"
}
```

GET /service/ service_id /version/ number /validate

Validate the version for a particular service and version.

**Authentication**

API token.

**Request Example**
POST /service/service_id/version

Create a version for a particular service.

Authentication
API token.

Request Example

```
POST /service/SU1Z0isxPaozGVKXdv0eY/version HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

```json

{  
  "number": 1,
  "service_id": "SU1Z0isxPaozGVKXdv0eY"
}
```

PUT /service/service_id/version/number

Update a particular version for a particular service.

Authentication
API token.

Request Example

```
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json
deployed=true&staging=true&testing=true
```

```

{  
  "active": null,
  "comment": "",
  "created_at": "2016-05-01T19:40:51+00:00",
  "deleted_at": null,
  "deployed": true,
  "locked": false,
  "number": 1,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "staging": true,
  "testing": true,
  "updated_at": "2016-05-09T16:19:09+00:00"
}
```
PUT /service/service_id/version/number/activate

Activate the current version.

Authentication
API token.

Request Example

```
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/activate
HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "active": true,
  "comment": "",
  "created_at": "2016-05-01T19:40:51+00:00",
  "deleted_at": null,
  "deployed": true,
  "locked": true,
  "number": 1,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "staging": true,
  "testing": true,
  "updated_at": "2016-05-09T16:19:09+00:00"
}
```

PUT /service/service_id/version/number/deactivate

Deactivate the current version.

Authentication
API token.

Request Example

```
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/3/deactivate
HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "active": false,
  "comment": "",
  "created_at": "2016-05-01T19:40:51+00:00",
  "deleted_at": null,
  "deployed": false,
  "locked": true,
  "number": 1,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "staging": true,
  "testing": true,
  "updated_at": "2016-05-09T16:19:09+00:00"
}
```

PUT /service/service_id/version/number/clone

Clone the current configuration into a new version.

Authentication
API token.

Request Example
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/clone HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

▼ Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
  "active": false,
  "comment": "",
  "created_at": "2016-05-01T19:40:51+00:00",
  "deleted_at": null,
  "deployed": false,
  "locked": false,
  "number": 2,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "staging": true,
  "testing": true,
  "updated_at": "2016-05-09T16:19:09+00:00"
}

PUT /service/service_id/version/number/lock

Locks the specified version.

Authentication

API token.

Request Example

PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/lock HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

▼ Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
  "active": false,
  "comment": "",
  "created_at": "2016-05-01T19:40:51+00:00",
  "deleted_at": null,
  "deployed": false,
  "locked": true,
  "number": 1,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "staging": true,
  "testing": true,
  "updated_at": "2016-05-09T16:19:09+00:00"
}

Dynamic Servers

Dynamic Servers

Fastly's Load Balancer allows you to create pools of origin servers that you dynamically manage using Dynamic Servers to distribute and direct incoming requests. To set up Dynamic Servers, you attach a pool to a service, then add versionless origin server that are stored separately from your VCL configuration. You can use the Fastly API to programmatically add, remove, and update pools and origin servers.

⚠️ IMPORTANT: This information is part of a limited availability release. For more information, see our product and feature lifecycle descriptions.
API Reference

Pool
A pool is responsible for balancing requests among a group of servers. In addition to balancing, pools can be configured to attempt retrying failed requests. Pools have a quorum setting that can be used to determine when the pool as a whole is considered up, in order to prevent problems following an outage as servers come back up.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>string</td>
<td>Alphanumeric string identifying this pool. Automatically generated.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>Alphanumeric string identifying a service. Automatically populated.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>Current version of a service. Automatically populated.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>Name of pool. Required.</td>
</tr>
<tr>
<td>shield</td>
<td>string</td>
<td>Selected POP to serve as a shield for the servers. Optional. Defaults to null meaning no origin shielding if not set. Refer to the datacenters API endpoint to get a list of available POPs used for shielding.</td>
</tr>
<tr>
<td>request_condition</td>
<td>string</td>
<td>Condition which, if met, will select this pool during a request. Optional.</td>
</tr>
<tr>
<td>max_conn_default</td>
<td>integer</td>
<td>Maximum number of connections. Optional. Defaults to 200 if not set.</td>
</tr>
<tr>
<td>connect_timeout</td>
<td>integer</td>
<td>How long to wait for a timeout in milliseconds. Optional.</td>
</tr>
<tr>
<td>first_byte_timeout</td>
<td>integer</td>
<td>How long to wait for the first byte in milliseconds. Optional.</td>
</tr>
<tr>
<td>quorum</td>
<td>integer</td>
<td>Percentage of capacity (0-100) that needs to be operationally available for a pool to be considered up. Optional. Defaults to 75 if not set.</td>
</tr>
<tr>
<td>use_tls</td>
<td>string</td>
<td>Whether or not to use TLS to reach any server in the pool. Optional. Defaults to &quot;0&quot;.</td>
</tr>
<tr>
<td>tls_ca_cert</td>
<td>string</td>
<td>CA certificate attached to origin. Optional.</td>
</tr>
<tr>
<td>tls_ciphers</td>
<td>string</td>
<td>List of OpenSSL ciphers (see the openssl.org manpages for details). Optional.</td>
</tr>
<tr>
<td>tls_client_key</td>
<td>string</td>
<td>Client key attached to server. Optional.</td>
</tr>
<tr>
<td>tls_client_cert</td>
<td>string</td>
<td>Client certificate attached to server. Optional.</td>
</tr>
<tr>
<td>tls_sni_hostname</td>
<td>string</td>
<td>SNI hostname. Optional.</td>
</tr>
<tr>
<td>tls_check_cert</td>
<td>string</td>
<td>Be strict on checking TLS certs. Optional.</td>
</tr>
<tr>
<td>tls_cert_hostname</td>
<td>string</td>
<td>TLS cert hostname. Optional.</td>
</tr>
<tr>
<td>min_tls_version</td>
<td>integer</td>
<td>Minimum allowed TLS version on connections to this server. Optional.</td>
</tr>
<tr>
<td>max_tls_version</td>
<td>integer</td>
<td>Maximum allowed TLS version on connections to this server. Optional.</td>
</tr>
<tr>
<td>healthcheck</td>
<td>string</td>
<td>Name of the healthcheck to use with this pool. Can be empty and could be reused across multiple backend and pools.</td>
</tr>
<tr>
<td>comment</td>
<td>string</td>
<td>Optional.</td>
</tr>
<tr>
<td>type</td>
<td>string</td>
<td>What type of load balance group to use. Values can be random, hash, client.</td>
</tr>
<tr>
<td>override_host</td>
<td>string</td>
<td>The hostname to override the Host header. Optional. Defaults to null meaning no override of the Host header will occur. This setting can also be added to a Server definition. If the field is set on a Server definition it will override the Pool setting.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the server was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the server was deleted.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the server was updated.</td>
</tr>
</tbody>
</table>
**Actions**

**GET** /service/service_id/version/pool

Lists all pools for a particular service and pool.

**Authentication**

API token of a user with at least Engineer permissions.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>service_id</td>
<td>string</td>
<td>Alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>Current version of a service.</td>
</tr>
</tbody>
</table>

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/pool HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[  
  {  
      "id": "2Yd1WFiCBFENItLoFZmlo",  
      "service_id": "62SBYViLi0xpiliixmsAcXy",  
      "version": "1",  
      "name": "my_pool",  
      "shield": null,  
      "override_host": null,  
      "use_tls": "0",  
      "type": "random",  
      "request_condition": null,  
      "max_conn_default": "200",  
      "connect_timeout": "1000",  
      "first_byte_timeout": "15000",  
      "quorum": "75",  
      "tls_ca_cert": null,  
      "tls_ciphers": null,  
      "tls_client_key": null,  
      "tls_client_cert": null,  
      "tls_sni_hostname": null,  
      "tls_cert_hostname": null,  
      "tls_check_cert": "1",  
      "tls_min_version": null,  
      "max_tls_version": null,  
      "healthcheck": null,  
      "comment": "",  
      "created_at": "2016-06-20T03:55:06+00:00",  
      "updated_at": "2016-06-20T03:55:06+00:00",  
      "deleted_at": null  
  }  
]
```

**GET** /service/service_id/version/pool/pool_name

Gets a single pool for a particular service and version.

**Authentication**

API token of a user with at least Engineer permissions.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>service_id</td>
<td>string</td>
<td>Alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>Current version of a service.</td>
</tr>
</tbody>
</table>
POST /service/service_id/version/pool

Creates a pool for a particular service and version.

Authentication

API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>service_id</td>
<td>string</td>
<td>Alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>Development version of a service.</td>
</tr>
</tbody>
</table>

Request Example

**POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/pool** HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
Content-Type: application/x-www-form-urlencoded

name=my_pool

**Request Example**

**POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/pool** HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
Content-Type: application/x-www-form-urlencoded

name=my_pool

**Response Example**

**HTTP/1.1 200 OK**
Content-Type: application/json

```json
{
  
}
```
PUT /service/service_id/version/version/pool/pool_name

Updates a specific pool for a particular service and version.

**Authentication**

An **API token** of a user with at least [Engineer permissions](https://docs.fastly.com/api/permissions).

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>service_id</td>
<td>string</td>
<td>Alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>Development version of a service.</td>
</tr>
<tr>
<td>pool_name</td>
<td>string</td>
<td>Name of the pool.</td>
</tr>
</tbody>
</table>

**Request Example**

```
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/pool/my_pool HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
Content-Type: application/x-www-form-urlencoded
max_conn_default=300
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json
```
DELETE /service/service_id/version/pool/pool_name

Deletes a specific pool for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>service_id</td>
<td>string</td>
<td>Alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>Current version of a service.</td>
</tr>
<tr>
<td>pool_name</td>
<td>string</td>
<td>Name of the pool.</td>
</tr>
</tbody>
</table>

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/pool/my_pool HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
    "status": "ok"
}
```

Server

A server is an address (IP address or hostname) to which the Fastly Load Balancer service can forward requests. This service can define multiple servers and assign it to a pool. Fastly can then select any one of these servers based on a selection policy defined for the pool.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
</table>

https://docs.fastly.com/api/aio
### GET

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>string</td>
<td>Alphanumeric string identifying this server. Automatically generated.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>Alphanumeric string identifying a service. Automatically populated.</td>
</tr>
<tr>
<td>pool_id</td>
<td>string</td>
<td>Alphanumeric string identifying a pool. Automatically populated.</td>
</tr>
<tr>
<td>weight</td>
<td>string</td>
<td>Weight (1-100) used to load balance this server against others. Optional. Defaults to '100' if not set.</td>
</tr>
<tr>
<td>max_conn</td>
<td>string</td>
<td>Maximum number of connections. If the value is '0', it inherits the value from pool's max_conn_default. Optional. Defaults to '0' if not set.</td>
</tr>
<tr>
<td>port</td>
<td>string</td>
<td>Port number. Setting port 443 does not force TLS. Set use_tls in pool to force TLS. Optional. Defaults to '80' if not set.</td>
</tr>
<tr>
<td>address</td>
<td>string</td>
<td>A hostname, IPv4, or IPv6 address for the server. Required.</td>
</tr>
<tr>
<td>comment</td>
<td>string</td>
<td>Optional.</td>
</tr>
<tr>
<td>disabled</td>
<td>boolean</td>
<td>Allows servers to be enabled and disabled in a pool.</td>
</tr>
<tr>
<td>override_host</td>
<td>string</td>
<td>The hostname to override the Host header. Optional. Defaults to null meaning no override of the Host header if not set. This setting can also be added to a Pool definition. However, the server setting will override the Pool setting.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the server was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the server was deleted.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the server was updated.</td>
</tr>
</tbody>
</table>

### Actions

**GET /service/ service_id /pool/ pool_id /servers**

Lists all servers for a particular service and pool.

#### Authentication

API token of a user with at least Engineer permissions.

#### Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>service_id</td>
<td>string</td>
<td>Alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>pool_id</td>
<td>string</td>
<td>Alphanumeric string identifying a pool.</td>
</tr>
</tbody>
</table>

#### Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/pool/60OHK90EoxghKpGk4pGLyM/servers HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

#### Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json
```
GET /service/service_id/pool/pool_id/server/server_id

Gets a single server for a particular service and pool.

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>service_id</td>
<td>string</td>
<td>Alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>pool_id</td>
<td>string</td>
<td>Alphanumeric string identifying a pool.</td>
</tr>
<tr>
<td>server_id</td>
<td>string</td>
<td>Alphanumeric string identifying this server.</td>
</tr>
</tbody>
</table>

Request Example
GET /service/SU1Z0isxPaozGVKXdv0eY/pool/60OHK90EoxghKpGk4pGLyN/server/6kEuoknxiaDBCLIAjKgyXq HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example
HTTP/1.1 200 OK
Content-Type: application/json

```
{
    "id": "6kEuoknxiaDBCLIAjKgyXq",
    "service_id": "6k2He0IyVFUT06RN01BHDe",
    "pool_id": "6kAXX1iQjqsN2GnXvFSKY",
    "weight": "100",
    "max_conn": "200",
    "port": "80",
    "override_host": null,
    "address": "example.com",
    "comment": ",",
    "disabled": false,
    "created_at": "2016-06-20T08:20:36+00:00",
    "updated_at": "2016-06-20T08:20:36+00:00",
    "deleted_at": null
}
```

POST /service/service_id/pool/pool_id/server

Creates a single server for a particular service and pool.

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
</table>

```
```
PUT /service/service_id/pool/pool_id/server/server_id

Updates a single server for a particular service and pool.

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>service_id</td>
<td>string</td>
<td>Alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>pool_id</td>
<td>string</td>
<td>Alphanumeric string identifying a pool.</td>
</tr>
<tr>
<td>server_id</td>
<td>string</td>
<td>Alphanumeric string identifying this server.</td>
</tr>
</tbody>
</table>

Request Example

PUT /service/SU1Z0isxPaozGVXKXvd0eY/pool/60OHK90Eoxgk WhereasGkypGLyM/server/6kEuoknxiaDBCLiAjKqyXq HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
Content-Type: application/x-www-form-urlencoded

max_conn=300

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{  "id": "6kEuoknxiaDBCLiAjKqyXq",  "service_id": "6k2He0IyVFUTO6RNO1BNDe",  "pool_id": "6kAX81nQ1jsNWZGnXvFSKY",  "weight": "100",  "max_conn": "200",  "port": "80",  "override_host": null,  "address": "example.com",  "comment": "",  "disabled": false,  "created_at": "2016-06-20T08:36:00+00:00",  "updated_at": "2016-06-20T08:36+00:00",  "deleted_at": null }
DELETE /service/service_id/pool/pool_id/server/server_id

Deletes a single server for a particular service and pool.

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>service_id</td>
<td>string</td>
<td>Alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>pool_id</td>
<td>string</td>
<td>Alphanumeric string identifying a pool.</td>
</tr>
<tr>
<td>server_id</td>
<td>string</td>
<td>Alphanumeric string identifying this server.</td>
</tr>
</tbody>
</table>

Request Example

DELETE /service/SU1Z0isxPaozGVKXdv0eY/pool/60OHK90EoxghKpGk4pGLyM/server/6kEuoknxiaDBCLiAjKqyXq

HTTP/1.1

Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

```json
{
    "status": "ok"
}
```

Purge

Purging

Instant Purging removes content from Fastly immediately so it can be refreshed from your origin servers. The main entry point for the API, https://api.fastly.com/, is not needed for an individual URL Instant Purge.

Actions

PURGE *

Instant Purge an individual URL.

Authentication

Disabled by default. See Authenticating URL purge requests via API to enable.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>*</td>
<td>string</td>
<td>Full path of the URL.</td>
</tr>
</tbody>
</table>

Request Example

```bash

```

https://docs.fastly.com/api/aio
POST /service/service_id/purge_all

Instant Purge everything from a service.

Authentication
API token of a user with at least Engineer permissions.

Request Example
POST /service/SU1Z0isxPaozGVKXdv0eY/purge_all HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example
HTTP/1.1 200 OK
Content-Type: application/json

{
"status": "ok"
}

POST /service/service_id/purge/key

Instant Purge a particular service of items tagged with a Surrogate Key. Only one surrogate key can be purged at a time. Multiple keys can be purged using a batch surrogate key purge request.

Authentication
API token.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>key</td>
<td>string</td>
<td>Surrogate Key to purge.</td>
</tr>
</tbody>
</table>

Request Example
POST /service/SU1Z0isxPaozGVKXdv0eY/purge/hTE5dRlSBICGPJwCH4M HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example
HTTP/1.1 200 OK
Content-Type: application/json

{
"status": "ok",
"id": "108-1391560174-974124"
}

POST /service/service_id/purge

Instant Purge a particular service of items tagged with Surrogate Keys in a batch using a request header. Up to 256 surrogate keys can be purged in one batch request.
POST /service/SU1Z0isxPaozGVKXdv0eY/purge

HTTP/1.1

Surrogate-Key: key_1 key_2 key_3
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
  "key_1": "108-1391560174-974124",
  "key_2": "108-1391560174-974125",
  "key_3": "108-1391560174-974126"
}

POST /service/service_id/purge

Instant Purge a particular service of items tagged with Surrogate Keys in a batch using a JSON POST body. Up to 256 surrogate keys can be purged in one batch request.

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
  "key_1": "108-1391560174-974124",
  "key_2": "108-1391560174-974125",
  "key_3": "108-1391560174-974126"
}

Soft Purging

Soft Purging sets an object's TTL to 0s, forcing revalidation. For best results, Soft Purging should be used in conjunction with stale_while_revalidate and stale_if_error. The main entry point https://api.fastly.com/ for the API is not needed for a single URL Soft Purge.

Actions

PURGE *

Soft Purge an individual URL.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>*</td>
<td>string</td>
<td>Full path of the URL</td>
</tr>
</tbody>
</table>
POST /service/service_id/purge/key

Soft Purge a particular service of items tagged with a key.

Authentication
API token.

Request Example

```
POST /service/SU1261sxPaozGVKxv6eY/purge/hTE5dR1SBICG/Fkz3cCH4M HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
Fastly-Soft-Purge: 1
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok",
  "id": "108-1391560174-974124"
}
```

Historical Stats

Historical Stats

The Fastly historical Stats API allows you to programmatically retrieve historical caching statistics derived from your Fastly services. You can use these metrics to help you optimize your site’s data caching and analyze your site’s traffic.

Endpoint

The base endpoint for the Stats API is https://api.fastly.com/. All URLs are relative to that endpoint. All requests must be sent over HTTPS.

Authentication

To authenticate, use a Fastly-Key header containing your API token.

Here’s an example using the command-line tool cURL:

```
curl -H "Fastly-Key: YOUR_FASTLY_TOKEN" https://api.fastly.com/stats
```

Availability of Data

As a general rule, minutely, hourly, and daily data will each be delayed by approximately 10 to 15 minutes from the current time due to the time it takes to collect and process historical data. In addition, the current hour and current day will only return partial results because the data is still being incrementally aggregated for that time period, which isn’t complete.

Important: You cannot retrieve minutely historical statistics data older than 90 days from the current date. Contact support@fastly.com to discuss your minutely data needs.

Query Options (Time Range, Sampling Rate, and Regions)
There are four query parameters that you can use to specify what information is returned by the stats API. The `from` and `to` parameters control the window over which you want to fetch stats information. The `by` parameter controls the sampling rate (day, hour, or minute). And the `region` parameter allows you to restrict the result set to a particular region.

**Param: from and to**

The `from` and `to` parameters are exact times that control the window over which to fetch historical statistics. By default you can use Unix timestamps when specifying these parameters, but many forms of human readable inputs are also available, such as:

- `Yesterday`
- `Two weeks ago`
- `2/20/2013`

Date parsing is performed using the Chronic ruby library; for the most detailed information on exactly what formats are available please visit the gem's GitHub page (https://github.com/mojombo/chronic).

Let's see some examples:

```
/stats?from=10+days+ago
```

Returns stats for each of your services, by day, for the last ten days

```
/stats?from=1494793777&to=1494966577
```

Stats from Tuesday 14th May 2017 @ 20:29:37 UTC to Thursday 16th May 2017 @ 20:29:37 UTC

```
/stats?from=12P1%2FP2017&to=2%2F1%2F2017
```

Daily stats from January 1st, 2017 (1/1/2017) to February 1st, 2017 (2/1/2017)

When the time of day is not specified, the Stats API assumes 12pm. To specify a midnight to midnight range, you would use `from=1/1/2013 00:00&to=2/1/2013 00:00` (before encoding).

The `from` parameter is "inclusive" and the `to` parameter is "exclusive". This means that we will return only rows with recorded times that match the following inequality:

```
from <= recorded < to
```

**NOTE:** We store historical stats information using UTC, and not local time zones. This means that we will use the UTC interpretations of your inputs when querying stats information.

**Param: by**

The `by` parameter allows you to control the sampling rate used to produce the result set from querying the Stats API. There are three values that can be set:

- `minute` - Stats will be sampled by minute for each recorded minute in the specified window
- `hour` - Sample by hour within the specified window
- `day` - Sample by day within the specified window

If you do not provide a `by` parameter in your query it will default to ‘day’. Each sampling rate also specifies default `to` and `from` parameters if you omit them:

```
/stats
```

Defaults to: By day, from 1 month ago, to now

```
/stats?by=hour
```

Defaults to: by hour, from 1 day ago, to now

```
/stats?by=minute
```

```
Defaults to: by minute, from 30 minutes ago, to now

It is important to remember the following conversions when performing queries:

- 1 day = 24 hours
- 1 hour = 60 minutes
- 1 day = 60 * 24 = 1,440 minutes

When changing the sampling rate via the `by` parameter you can accidentally ask for very large data sets if you have defined `to` and `from` parameters. We will not process exceedingly large queries. Please refer to the Response Format section below for more details.

**Param: region**

The Stats API also allows you to limit the scope of your query by restricting it to a particular region. This is achieved via the use of the `region` parameter. Currently the following regions are supported:

- `usa` - Restricts the query to statistics reported by POPs in the continental United States
- `europe` - Restricts the query to statistics reported by POPs in Europe
- `anzac` - Restricts the query to statistics reported by POPs in Australia and New Zealand
- `asia` - Restricts the query to statistics reported by POPs in Asia
- `asia_india` - Restricts the query to statistics reported by POPs in India
- `latam` - Restricts the query to statistics reported by POPs in Brazil
- `south_africa` - Restricts the query to statistics reported by POPs in southern Africa
- `southamerica_std` - Restricts the query to statistics reported by POPs in South America

Usage is exceedingly simple, let's look at some examples:

```
/stats
```

Returns stats for all regions

```
/stats?region=usa
```

Returns stats for only US POPs

```
/stats?region=eu
```

Returns stats for European POPs only

The following endpoint provides a complete list of all available regions:

```
GET /stats/regions
```

See the API section below for example output

### Response Format

To make it easier to understand how a query is being processed we use a specific JSON response format. Here is an example:

```
/stats?from=1+day+ago
```

```json
{
  "status": "success",
  "meta": {
    "to": "Thu May 16 20:08:35 UTC 2013",
    "from": "Wed May 15 20:08:35 UTC 2013",
    "by": "day",
    "region": "all"
  },
  "msg": null
}
```
Each of the fields denotes the following:

- **status** - Whether or not we were able to successfully execute the query
- **meta** - Meta information about the scope of the query in a human readable format
- **msg** - If the query was not successful this will provide a string that explains why
- **data** - This contains the actual results of the query that we processed

### API Reference

#### Historical Stats

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>requests</td>
<td>integer</td>
<td>Number of requests processed.</td>
</tr>
<tr>
<td>hits</td>
<td>integer</td>
<td>Number of cache hits.</td>
</tr>
<tr>
<td>hits_time</td>
<td>float</td>
<td>Total amount of time spent processing cache hits (in seconds).</td>
</tr>
<tr>
<td>miss</td>
<td>integer</td>
<td>Number of cache misses.</td>
</tr>
<tr>
<td>miss_time</td>
<td>float</td>
<td>Total amount of time spent processing cache misses (in seconds).</td>
</tr>
<tr>
<td>pass</td>
<td>integer</td>
<td>Number of requests that passed through the CDN without being cached.</td>
</tr>
<tr>
<td>pass_time</td>
<td>float</td>
<td>Total amount of time spent processing cache passes (in seconds).</td>
</tr>
<tr>
<td>errors</td>
<td>integer</td>
<td>Number of cache errors.</td>
</tr>
<tr>
<td>restarts</td>
<td>integer</td>
<td>Number of restarts performed.</td>
</tr>
<tr>
<td>hit_ratio</td>
<td>float</td>
<td>Ratio of cache hits to cache misses (between 0 and 1).</td>
</tr>
<tr>
<td>bandwidth</td>
<td>integer</td>
<td>Total bytes delivered (resp_header_bytes + resp_body_bytes + bereq_header_bytes + bereq_body_bytes).</td>
</tr>
<tr>
<td>body_size</td>
<td>integer</td>
<td>Total body bytes delivered (alias for resp_body_bytes).</td>
</tr>
<tr>
<td>header_size</td>
<td>integer</td>
<td>Total header bytes delivered (alias for resp_header_bytes).</td>
</tr>
<tr>
<td>req_body_bytes</td>
<td>integer</td>
<td>Total body bytes received.</td>
</tr>
<tr>
<td>req_header_bytes</td>
<td>integer</td>
<td>Total header bytes received.</td>
</tr>
<tr>
<td>resp_body_bytes</td>
<td>integer</td>
<td>Total body bytes delivered.</td>
</tr>
<tr>
<td>resp_header_bytes</td>
<td>integer</td>
<td>Total header bytes delivered.</td>
</tr>
<tr>
<td>bereq_body_bytes</td>
<td>integer</td>
<td>Total body bytes sent to origin.</td>
</tr>
<tr>
<td>bereq_header_bytes</td>
<td>integer</td>
<td>Total header bytes sent to origin.</td>
</tr>
<tr>
<td>uncacheable</td>
<td>integer</td>
<td>Number of requests that were designated uncachable.</td>
</tr>
<tr>
<td>pipe</td>
<td>integer</td>
<td>Optional. Pipe operations performed (legacy feature).</td>
</tr>
<tr>
<td>tls</td>
<td>integer</td>
<td>Number of requests that were received over TLS.</td>
</tr>
<tr>
<td>tls_v10</td>
<td>integer</td>
<td>Number of requests received over TLS 1.0.</td>
</tr>
<tr>
<td>tls_v11</td>
<td>integer</td>
<td>Number of requests received over TLS 1.1.</td>
</tr>
<tr>
<td>tls_v12</td>
<td>integer</td>
<td>Number of requests received over TLS 1.2.</td>
</tr>
<tr>
<td><strong>field</strong></td>
<td><strong>type</strong></td>
<td><strong>description</strong></td>
</tr>
<tr>
<td>---------------------------</td>
<td>----------</td>
<td>---------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>tls_v13</td>
<td>integer</td>
<td>Number of requests received over TLS 1.3</td>
</tr>
<tr>
<td>shield</td>
<td>integer</td>
<td>Number of requests from edge to the shield POP.</td>
</tr>
<tr>
<td>shield_resp_body_bytes</td>
<td>integer</td>
<td>Total body bytes delivered via a shield.</td>
</tr>
<tr>
<td>shield_resp_header_bytes</td>
<td>integer</td>
<td>Total header bytes delivered via a shield.</td>
</tr>
<tr>
<td>ipv6</td>
<td>integer</td>
<td>Number of requests that were received over IPv6.</td>
</tr>
<tr>
<td>otpf</td>
<td>integer</td>
<td>Number of responses that came from the Fastly On-the-Fly Packager for On Demand Streaming service for video-on-demand.</td>
</tr>
<tr>
<td>otpf_resp_body_bytes</td>
<td>integer</td>
<td>Total body bytes delivered from the Fastly On-the-Fly Packager for On Demand Streaming service for video-on-demand.</td>
</tr>
<tr>
<td>otpf_resp_header_bytes</td>
<td>integer</td>
<td>Total header bytes delivered from the Fastly On-the-Fly Packager for On Demand Streaming service for video-on-demand.</td>
</tr>
<tr>
<td>otpf_shield_resp_body_bytes</td>
<td>integer</td>
<td>Total body bytes delivered via a shield for the Fastly On-the-Fly Packager for On Demand Streaming service for video-on-demand.</td>
</tr>
<tr>
<td>otpf_shield_resp_header_bytes</td>
<td>integer</td>
<td>Total header bytes delivered via a shield for the Fastly On-the-Fly Packager for On Demand Streaming service for video-on-demand.</td>
</tr>
<tr>
<td>otpf_manifests</td>
<td>integer</td>
<td>Number of responses that were manifest files from the Fastly On-The-Fly Packager for On Demand Streaming service for video-on-demand.</td>
</tr>
<tr>
<td>otpf Deliver Time</td>
<td>float</td>
<td>Total amount of time spent delivering a response from the Fastly On-the-Fly Packager for On Demand Streaming service for video-on-demand (in seconds).</td>
</tr>
<tr>
<td>otpf_shield_time</td>
<td>float</td>
<td>Total amount of time spent delivering a response via a shield from the Fastly On-the-Fly Packager for On Demand Streaming service for video-on-demand (in seconds).</td>
</tr>
<tr>
<td>video</td>
<td>integer</td>
<td>Number of responses with the video segment or video manifest MIME type (i.e., application/x-mpegurl, application/vnd.apple.mpegurl, application/f4m, application/dash+xml, application/vnd.ms-sstr+xml, video/mp2t, audio/aac, video/f4f, video/x-flv, video/mp4, audio/mp4).</td>
</tr>
<tr>
<td>pci</td>
<td>integer</td>
<td>Number of responses with the PCI flag turned on.</td>
</tr>
<tr>
<td>log</td>
<td>integer</td>
<td>Number of log lines sent.</td>
</tr>
<tr>
<td>http2</td>
<td>integer</td>
<td>Number of requests received over HTTP2.</td>
</tr>
<tr>
<td>wafLogged</td>
<td>integer</td>
<td>Number of requests that triggered a WAF rule and were logged.</td>
</tr>
<tr>
<td>wafBlocked</td>
<td>integer</td>
<td>Number of requests that triggered a WAF rule and were blocked.</td>
</tr>
<tr>
<td>wafPassed</td>
<td>integer</td>
<td>Number of requests that triggered a WAF rule and were passed.</td>
</tr>
<tr>
<td>attack_req_body_bytes</td>
<td>integer</td>
<td>Total body bytes received from requests that triggered a WAF rule.</td>
</tr>
<tr>
<td>attack_req_header_bytes</td>
<td>integer</td>
<td>Total header bytes received from requests that triggered a WAF rule.</td>
</tr>
<tr>
<td>attack_logged_req_body_bytes</td>
<td>integer</td>
<td>Total body bytes received from requests that triggered a WAF rule that was logged.</td>
</tr>
<tr>
<td>attack_logged_req_header_bytes</td>
<td>integer</td>
<td>Total header bytes received from requests that triggered a WAF rule that was logged.</td>
</tr>
<tr>
<td>attack_blocked_req_body_bytes</td>
<td>integer</td>
<td>Total body bytes received from requests that triggered a WAF rule that was blocked.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>attack_blocked_req_header_bytes</td>
<td>integer</td>
<td>Total header bytes received from requests that triggered a WAF rule that was blocked.</td>
</tr>
<tr>
<td>attack_passed_req_body_bytes</td>
<td>integer</td>
<td>Total body bytes received from requests that triggered a WAF rule that was passed.</td>
</tr>
<tr>
<td>attack_passed_req_header_bytes</td>
<td>integer</td>
<td>Total header bytes received from requests that triggered a WAF rule that was passed.</td>
</tr>
<tr>
<td>attack_resp_synth_bytes</td>
<td>integer</td>
<td>Total bytes delivered for requests that triggered a WAF rule and returned a synthetic response.</td>
</tr>
<tr>
<td>imgopto</td>
<td>integer</td>
<td>Number of responses that came from the Fastly Image Optimizer service.</td>
</tr>
<tr>
<td>imgopto_resp_body_bytes</td>
<td>integer</td>
<td>Total body bytes delivered from the Fastly Image Optimizer service.</td>
</tr>
<tr>
<td>imgopto_resp_header_bytes</td>
<td>integer</td>
<td>Total header bytes delivered from the Fastly Image Optimizer service.</td>
</tr>
<tr>
<td>imgopto_shield_resp_body_bytes</td>
<td>integer</td>
<td>Total body bytes delivered via a shield from the Fastly Image Optimizer service.</td>
</tr>
<tr>
<td>imgopto_shield_resp_header_bytes</td>
<td>integer</td>
<td>Total header bytes delivered via a shield from the Fastly Image Optimizer service.</td>
</tr>
<tr>
<td>status_200</td>
<td>integer</td>
<td>Number of responses sent with status code 200 (Success).</td>
</tr>
<tr>
<td>status_204</td>
<td>integer</td>
<td>Number of responses sent with status code 204 (No Content).</td>
</tr>
<tr>
<td>status_301</td>
<td>integer</td>
<td>Number of responses sent with status code 301 (Moved Permanently).</td>
</tr>
<tr>
<td>status_302</td>
<td>integer</td>
<td>Number of responses sent with status code 302 (Found).</td>
</tr>
<tr>
<td>status_304</td>
<td>integer</td>
<td>Number of responses sent with status code 304 (Not Modified).</td>
</tr>
<tr>
<td>status_400</td>
<td>integer</td>
<td>Number of responses sent with status code 400 (Bad Request).</td>
</tr>
<tr>
<td>status_401</td>
<td>integer</td>
<td>Number of responses sent with status code 401 (Unauthorized).</td>
</tr>
<tr>
<td>status_403</td>
<td>integer</td>
<td>Number of responses sent with status code 403 (Forbidden).</td>
</tr>
<tr>
<td>status_404</td>
<td>integer</td>
<td>Number of responses sent with status code 404 (Not Found).</td>
</tr>
<tr>
<td>status_416</td>
<td>integer</td>
<td>Number of responses sent with status code 416 (Range Not Satisfiable).</td>
</tr>
<tr>
<td>status_500</td>
<td>integer</td>
<td>Number of responses sent with status code 500 (Internal Not Satisfiable).</td>
</tr>
<tr>
<td>status_501</td>
<td>integer</td>
<td>Number of responses sent with status code 501 (Not Server Error).</td>
</tr>
<tr>
<td>status_502</td>
<td>integer</td>
<td>Number of responses sent with status code 502 (Bad Implemented).</td>
</tr>
<tr>
<td>status_503</td>
<td>integer</td>
<td>Number of responses sent with status code 503 (Service Unavailable).</td>
</tr>
<tr>
<td>status_504</td>
<td>integer</td>
<td>Number of responses sent with status code 504 (Gateway Timeout).</td>
</tr>
<tr>
<td>status_505</td>
<td>integer</td>
<td>Number of responses sent with status code 505 (HTTP Version Not Supported).</td>
</tr>
<tr>
<td>status_1xx</td>
<td>integer</td>
<td>Number of &quot;Informational&quot; category status codes delivered.</td>
</tr>
<tr>
<td>status_2xx</td>
<td>integer</td>
<td>Number of &quot;Success&quot; status codes delivered.</td>
</tr>
<tr>
<td>status_3xx</td>
<td>integer</td>
<td>Number of &quot;Redirection&quot; codes delivered.</td>
</tr>
<tr>
<td>status_4xx</td>
<td>integer</td>
<td>Number of &quot;Client Error&quot; codes delivered.</td>
</tr>
<tr>
<td>status_5xx</td>
<td>integer</td>
<td>Number of &quot;Server Error&quot; codes delivered.</td>
</tr>
<tr>
<td>object_size_1k</td>
<td>integer</td>
<td>Number of objects served that were under 1KB in size.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>--------------------</td>
<td>---------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>object_size_10k</td>
<td>integer</td>
<td>Number of objects served that were between 1KB and 10KB in size.</td>
</tr>
<tr>
<td>object_size_100k</td>
<td>integer</td>
<td>Number of objects served that were between 10KB and 100KB in size.</td>
</tr>
<tr>
<td>object_size_1m</td>
<td>integer</td>
<td>Number of objects served that were between 100KB and 1MB in size.</td>
</tr>
<tr>
<td>object_size_10m</td>
<td>integer</td>
<td>Number of objects served that were between 1MB and 10MB in size.</td>
</tr>
<tr>
<td>object_size_100m</td>
<td>integer</td>
<td>Number of objects served that were between 10MB and 100MB in size.</td>
</tr>
<tr>
<td>object_size_1g</td>
<td>integer</td>
<td>Number of objects served that were between 100MB and 1GB in size.</td>
</tr>
<tr>
<td>recv_sub_time</td>
<td>float</td>
<td>Time spent inside the 'recv' Varnish subroutine (in seconds).</td>
</tr>
<tr>
<td>recv_sub_count</td>
<td>integer</td>
<td>Number of executions of the 'recv' Varnish subroutine.</td>
</tr>
<tr>
<td>hash_sub_time</td>
<td>float</td>
<td>Time spent inside the 'hash' Varnish subroutine (in seconds).</td>
</tr>
<tr>
<td>hash_sub_count</td>
<td>integer</td>
<td>Number of executions of the 'hash' Varnish subroutine.</td>
</tr>
<tr>
<td>miss_sub_time</td>
<td>float</td>
<td>Time spent inside the 'miss' Varnish subroutine (in seconds).</td>
</tr>
<tr>
<td>miss_sub_count</td>
<td>integer</td>
<td>Number of executions of the 'miss' Varnish subroutine.</td>
</tr>
<tr>
<td>fetch_sub_time</td>
<td>float</td>
<td>Time spent inside the 'fetch' Varnish subroutine (in seconds).</td>
</tr>
<tr>
<td>fetch_sub_count</td>
<td>integer</td>
<td>Number of executions of the 'fetch' Varnish subroutine.</td>
</tr>
<tr>
<td>pass_sub_time</td>
<td>float</td>
<td>Time spent inside the 'pass' Varnish subroutine (in seconds).</td>
</tr>
<tr>
<td>pass_sub_count</td>
<td>integer</td>
<td>Number of executions of the 'pass' Varnish subroutine.</td>
</tr>
<tr>
<td>pipe_sub_time</td>
<td>float</td>
<td>Time spent inside the 'pipe' Varnish subroutine (in seconds).</td>
</tr>
<tr>
<td>pipe_sub_count</td>
<td>integer</td>
<td>Number of executions of the 'pipe' Varnish subroutine.</td>
</tr>
<tr>
<td>deliver_sub_time</td>
<td>float</td>
<td>Time spent inside the 'deliver' Varnish subroutine (in seconds).</td>
</tr>
<tr>
<td>deliver_sub_count</td>
<td>integer</td>
<td>Number of executions of the 'deliver' Varnish subroutine.</td>
</tr>
<tr>
<td>error_sub_time</td>
<td>float</td>
<td>Time spent inside the 'error' Varnish subroutine (in seconds).</td>
</tr>
<tr>
<td>error_sub_count</td>
<td>integer</td>
<td>Number of executions of the 'error' Varnish subroutine.</td>
</tr>
<tr>
<td>hit_sub_time</td>
<td>float</td>
<td>Time spent inside the 'hit' Varnish subroutine (in seconds).</td>
</tr>
<tr>
<td>hit_sub_count</td>
<td>integer</td>
<td>Number of executions of the 'hit' Varnish subroutine.</td>
</tr>
<tr>
<td>prehash_sub_time</td>
<td>float</td>
<td>Time spent inside the 'prehash' Varnish subroutine (in seconds).</td>
</tr>
<tr>
<td>prehash_sub_count</td>
<td>integer</td>
<td>Number of executions of the 'prehash' Varnish subroutine.</td>
</tr>
<tr>
<td>predeliver_sub_time</td>
<td>float</td>
<td>Time spent inside the 'predeliver' Varnish subroutine (in seconds).</td>
</tr>
<tr>
<td>predeliver_sub_count</td>
<td>integer</td>
<td>Number of executions of the 'predeliver' Varnish subroutine.</td>
</tr>
<tr>
<td>tls_handshake_bytes</td>
<td>integer</td>
<td>Number of bytes transferred during TLS handshake.</td>
</tr>
</tbody>
</table>

**Actions**

GET  /stats

Fetches historical stats for each of your Fastly services and groups the results by service ID.

**Authentication**

API token.

**Request Example**
GET /stats?from=1+day+ago HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

HTTP/1.1 200 OK
Content-Type: application/json
5/1/2020

Fastly API Documentation

{
"status": "success",
"meta": {
"to": "Thu May 16 20:08:35 UTC 2013",
"from": "Wed May 15 20:08:35 UTC 2013",
"by": "day",
"region": "all"
},
"msg": null,
"data": {
"6ElZZvtumbwtLBDJvFwepx": [
{
"requests": "1925645",
"miss_time": "55.153864891000005",
"start_time": "1368662400",
"service_id": "6ElZZvtumbwtLBDJvFwepx",
"bandwidth": "176544526854",
"hits": "1902348",
"hits_time": "520.0779119150006",
"miss": "8354",
"body_size": "175900019026",
"pass": "4212",
"header_size": "644507828",
"req_header_bytes": "2905859973",
"req_body_bytes": "390017958",
"resp_header_bytes": "644507828",
"resp_body_bytes": "175900019026",
"bereq_header_bytes": "1870557109",
"bereq_body_bytes": "389234083",
"status_200": "1208426",
"status_204": "0",
"status_301": "0",
"status_302": "0",
"status_304": "0",
"errors": "8418",
"hit_ratio": "0.9956",
"status_1xx": "0",
"status_2xx": "1208426",
"status_3xx": "0",
"status_4xx": "708801",
"status_503": "8418",
"pipe": "0",
"status_5xx": "8418",
"uncacheable": "0",
"tls": "2804069",
"shield": "208055",
"ipv6": "14156",
"otfp": "12006",
"video": "306053",
"pci": "3041",
"logging": "2088120",
"http2": "251589",
"waf_logged": "508",
"waf_blocked": "360",
"waf_passed": "0",
"attack_req_body_bytes": "1274842",
"attack_req_header_bytes": "892196",
"attack_resp_synth_bytes": "0",
"img_opto": "1404"
}
],
"5oYej0l0heMydtjaVPOq4z": [
{
"requests": "751",
"miss_time": "1.198163271",
"start_time": "1368662400",
"service_id": "5oYej0l0heMydtjaVPOq4z",
"bandwidth": "1159652",
"hits": "743",
"hits_time": "0.07059622299999999",
"miss": "8",
"body_size": "721082",
"pass": "0",
"header_size": "438570",
"req_header_bytes": "2905859973",
"req_body_bytes": "390017958",
"resp_header_bytes": "438570",
"resp_body_bytes": "721082",
"bereq_header_bytes": "1870557109",
"bereq_body_bytes": "389234083",
"status_200": "580",
"status_204": "0",
"status_301": "2",
https://docs.fastly.com/api/aio

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GET /stats/field/ field

Fetches the specified field from the historical stats for each of your services and groups the results by service ID.

**Authentication**

**API token.**

**Request Example**

```plaintext
GET /stats/field/hit_ratio?from=6+hours+ago&to=3+hours+ago&by=hour HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json
```
GET /stats/aggregate

Fetches historical stats information aggregated across all of your Fastly services.

Authentication
API token.

Request Example
GET /stats/aggregate?from=1368563377&to=1368736177 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example
HTTP/1.1 200 OK
Content-Type: application/json
{"status": "success",
"meta": {
  "to": "Thu May 16 20:29:37 UTC 2013",
  "from": "Tue May 14 20:29:37 UTC 2013",
  "day": "day",
  "region": "all"
},
"msg": null,
"data": [
{
  "requests": 7022557,
  "miss_time": 43342.54711368301,
  "start_time": 1368576000,
  "bandwidth": 33656143431,
  "hits": 1851903,
  "hits_time": 284.90881923000006,
  "miss": 74773,
  "body_size": 31118762171,
  "pass": 5076669,
  "header_size": 31118762171,
  "req_header_bytes": 2905859973,
  "req_body_bytes": 3892340483,
  "status_200": 6959769,
  "status_204": 0,
  "status_301": 3093,
  "status_302": 60,
  "status_304": 14135,
  "errors": 21642,
  "hit_ratio": 0.9612,
  "status_1xx": 0,
  "status_2xx": 6959769,
  "status_3xx": 17288,
  "status_4xx": 23855,
  "status_503": 21631,
  "pipe": 0,
  "status_5xx": 21642,
  "uncacheable": 0,
  "tls": 2804069,
  "shield": 208055,
  "ipv6": 1404,
  "otfp": 12006,
  "video": 306053,
  "policies": 3041,
  "logging": 2088120,
  "http2": 251589,
  "waf_logged": 508,
  "waf_blocked": 360,
  "attack_req_header_bytes": 1870557109,
  "attack_req_body_bytes": 3892340483,
  "status_200": 6959769,
  "status_204": 0,
  "status_301": 3093,
  "status_302": 60,
  "status_304": 14135,
  "errors": 21642,
  "hit_ratio": 0.9612,
  "status_1xx": 0,
  "status_2xx": 6959769,
  "status_3xx": 17288,
  "status_4xx": 23855,
  "status_503": 21631,
  "pipe": 0,
  "status_5xx": 21642,
  "uncacheable": 0,
  "tls": 2804069,
  "shield": 208055,
  "ipv6": 1404,
  "otfp": 12006,
  "video": 306053,
  "policies": 3041,
  "logging": 2088120,
  "http2": 251589,
  "waf_logged": 508,
  "waf_blocked": 360,
  "attack_req_header_bytes": 1870557109,
  "attack_req_body_bytes": 3892340483,
  "status_200": 6959769,
  "status_204": 0,
  "status_301": 3093,
  "status_302": 60,
  "status_304": 14135,
  "errors": 21642,
  "hit_ratio": 0.9612,
  "status_1xx": 0,
  "status_2xx": 6959769,
  "status_3xx": 17288,
  "status_4xx": 23855,
  "status_503": 21631,
  "pipe": 0,
  "status_5xx": 21642,
  "uncacheable": 0,
  "tls": 2804069,
  "shield": 208055,
  "ipv6": 1404,
  "otfp": 12006,
  "video": 306053,
  "policies": 3041,
  "logging": 2088120,
  "http2": 251589,
  "waf_logged": 508,
  "waf_blocked": 360,
  "attack_req_header_bytes": 1870557109,
  "attack_req_body_bytes": 3892340483,
  "status_200": 6959769,
  "status_204": 0,
  "status_301": 3093,
  "status_302": 60,
  "status_304": 14135,
  "errors": 21642,
  "hit_ratio": 0.9612,
  "status_1xx": 0,
}]
}
GET /stats/service/service_id

Fetches historical stats for a given service.

Authentication
API token.

Request Example

GET /stats/service/1jlmtMz1ncwA0KC3TBGD0X?from=40+minutes+ago&to=38+minutes+ago&by=minute HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

HTTP/1.1 200 OK
Content-Type: application/json
{
  "status": "success",
  "meta": {
    "to": "Thu May 16 19:57:24 UTC 2013",
    "from": "Thu May 16 19:55:24 UTC 2013",
    "by": "minute",
    "region": "all"
  },
  "msg": null,
  "data": [
    {
      "requests": 21,
      "miss_time": 0,
      "start_time": "1368734160",
      "bandwidth": "160238",
      "hits": 0,
      "body_size": "150948",
      "pass": 19,
      "header_size": "9290",
      "reg_header_bytes": "2905859973",
      "resp_header_bytes": "390017958",
      "status_200": 14,
      "status_204": 0,
      "status_301": 2,
      "status_302": 0,
      "status_304": 0,
      "errors": 0,
      "hit_ratio": null,
      "status_1xx": 0,
      "status_2xx": 14,
      "status_3xx": 2,
      "status_4xx": 5,
      "status_503": 0,
      "pipe": 0,
      "status_5xx": 0,
      "unicacheable": 0,
      "tlst": "2804069",
      "shield": "208055",
      "ip6v": "14156",
      "otfp": "12006",
      "video": "306053",
      "pci": "3041",
      "logging": "2088120",
      "http2": "251589",
      "waf_logged": "508",
      "waf_blocked": "360",
      "waf_passed": 0,
      "attack_reg_body_bytes": "1274842",
      "attack_reg_header_bytes": "892196",
      "attack_reap_synth_bytes": 0,
      "img_opto": "1404"
    },
    {
      "requests": 20,
      "miss_time": 0,
      "start_time": "1368734220",
      "bandwidth": "156504",
      "hits": 0,
      "miss": 0,
      "body_size": "147806",
      "pass": 17,
      "header_size": "8698",
      "reg_header_bytes": "2905859973",
      "resp_header_bytes": "390017958",
      "status_200": 12,
      "status_204": 0,
      "status_301": 3,
      "status_302": 0,
      "status_304": 0,
      "errors": 0,
      "status_1xx": 0,
      "status_2xx": 14,
      "status_3xx": 2,
      "status_4xx": 5,
      "status_503": 0,
      "pipe": 0,
      "status_5xx": 0,
      "unicacheable": 0,
      "tlst": "2804069",
      "shield": "208055",
      "ip6v": "14156",
      "otfp": "12006",
      "video": "306053",
      "pci": "3041",
      "logging": "2088120",
      "http2": "251589",
      "waf_logged": "508",
      "waf_blocked": "360",
      "waf_passed": 0,
      "attack_reg_body_bytes": "1274842",
      "attack_reg_header_bytes": "892196",
      "attack_reap_synth_bytes": 0,
      "img_opto": "1404"
    }
  ]
}
GET /stats/service /field/ field

Fatches the specified field from the historical stats for a given service.

Authentication
API token.

Request Example

```plaintext
GET /stats/service/1jlmtMz1ncwA0KC3TBGD0X/field/bandwidth?from=2+days+ago HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "success",
  "meta": {
    "to": "Thu May 16 20:39:09 UTC 2013",
    "from": "Tue May 14 20:39:09 UTC 2013",
    "by": "day",
    "region": "all"
  },
  "msg": null,
  "data": [
    {
      "service_id": "1jlmtMz1ncwA0KC3TBGD0X",
      "start_time": "1368576000",
      "bandwidth": "376983356"
    },
    {
      "service_id": "1jlmtMz1ncwA0KC3TBGD0X",
      "start_time": "1368662400",
      "bandwidth": "322029360"
    }
  ]
}
```

GET /stats/usage

Returns usage information aggregated across all Fastly services and grouped by region.

Authentication
API token.
**Request Example**

```bash
GET /stats/usage?from=1%2F1%2F2013&to=2%2F1%2F2013 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```json
GET /stats/usage?from=1%2F1%2F2013&to=2%2F1%2F2013 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

```json
{
  "status": "success",
  "meta": {
    "to": "Fri Feb 01 12:00:00 UTC 2013",
    "from": "Tue Jan 01 12:00:00 UTC 2013",
    "by": "day",
    "region": "all"
  },
  "msg": null,
  "data": {
    "apac": {
      "requests": "163546563",
      "bandwidth": "10735282284"
    },
    "ausnz": {
      "requests": "2888860",
      "bandwidth": "173220202333"
    },
    "usa": {
      "requests": "163546563",
      "bandwidth": "1532202023233"
    },
    "europe": {
      "requests": "2888860",
      "bandwidth": "10735282284"
    }
  }
}
```

**GET /stats/usage_by_service**

Returns usage information aggregated by service and grouped by service and region.

**Authentication**

**API token.**

**Request Example**

```bash
GET /stats/usage_by_service?from=2%2F1%2F2013&to=3%2F1%2F2013 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```json
GET /stats/usage_by_service?from=2%2F1%2F2013&to=3%2F1%2F2013 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

```json
{
  "status": "success",
  "meta": {
    "to": "Fri Feb 01 12:00:00 UTC 2013",
    "from": "Tue Jan 01 12:00:00 UTC 2013",
    "by": "day",
    "region": "all"
  },
  "msg": null,
  "data": {
    "apac": {
      "requests": "163546563",
      "bandwidth": "10735282284"
    },
    "ausnz": {
      "requests": "2888860",
      "bandwidth": "173220202333"
    },
    "usa": {
      "requests": "163546563",
      "bandwidth": "1532202023233"
    },
    "europe": {
      "requests": "2888860",
      "bandwidth": "10735282284"
    }
  }
}
```
GET /stats/usage_by_month

Returns month-to-date usage details for a given month and year. Usage details are aggregated by service and across all Fastly services, and then grouped by region.

This endpoint does not use the `from` or `to` fields for selecting the date for which data is requested. Instead, it uses `month` and `year` integer fields. Both fields are optional and default to the current month and year respectively. When set, an optional `billable_units` field will convert bandwidth to GB and divide requests by 10,000.

Authentication

API token.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>month</td>
<td>integer</td>
<td>2-digit month.</td>
</tr>
<tr>
<td>year</td>
<td>integer</td>
<td>4-digit year.</td>
</tr>
<tr>
<td>billable_units</td>
<td>string</td>
<td>If 'true', return results as billable units.</td>
</tr>
</tbody>
</table>

Request Example

```json
{
    "status": "success",
    "meta": {
        "to": "Fri Mar 01 12:00:00 UTC 2013",
        "from": "Fri Feb 01 12:00:00 UTC 2013",
        "by": "day",
        "region": "all"
    },
    "msg": null,
    "data": {
        "apac": {
            "liPMGAF44YgzB7sINv4KTF": {
                "requests": 60524,
                "bandwidth": "6004223792"
            },
            "7mai6mbwRz0JXxhAY8ZSN2": {
                "requests": 3,
                "bandwidth": "1305"
            }
        },
        "ausnz": {
            "liPMGAF44YgzB7sINv4KTF": {
                "requests": 101120,
                "bandwidth": "173557606"
            },
            "7mai6mbwRz0JXxhAY8ZSN2": {
                "requests": 93294,
                "bandwidth": "38109999"
            }
        },
        "usa": {
            "liPMGAF44YgzB7sINv4KTF": {
                "requests": 1109033,
                "bandwidth": "21642401706"
            },
            "7mai6mbwRz0JXxhAY8ZSN2": {
                "requests": 348175,
                "bandwidth": "173135847"
            }
        },
        "europe": {
            "liPMGAF44YgzB7sINv4KTF": {
                "requests": 567583,
                "bandwidth": "14813592344"
            },
            "7mai6mbwRz0JXxhAY8ZSN2": {
                "requests": 260025,
                "bandwidth": "110928988"
            }
        }
    }
}
```
GET /stats/usage_by_month?month=7&year=2017&billable_units=true HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

**Response Example**

HTTP/1.1 200 OK
Content-Type: application/json

```json
{
  "status": "success",
  "msg": null,
  "meta": {
    "from": "2017-07-01 00:00:00 +0000",
    "to": "2017-07-31 23:59:59 +0000",
    "by": "day",
    "region": "all"
  },
  "data": {
    "customer_id": "YOUR_CUSTOMER_ID",
    "services": {
      "SERVICE_ID": {
        "name": "SERVICE_NAME",
        "anzac": {
          "bandwidth": 28.815130509,
          "requests": 131.7256
        },
        "asia": {
          "bandwidth": 180.182470562,
          "requests": 965.4324
        },
        "europe": {
          "bandwidth": 1230.23131801,
          "requests": 6082.2894
        },
        "latam": {
          "bandwidth": 18.070301895,
          "requests": 93.7146
        },
        "south_africa": {
          "bandwidth": 8.77620445,
          "requests": 37.9704
        },
        "usa": {
          "bandwidth": 2330.717545144,
          "requests": 5524.7604
        }
      }
    }
  },
  "total": {
    "anzac": {
      "bandwidth": 28.815130509,
      "requests": 131.7256
    },
    "asia": {
      "bandwidth": 180.182470562,
      "requests": 965.4324
    },
    "europe": {
      "bandwidth": 1230.23131801,
      "requests": 6082.2894
    },
    "latam": {
      "bandwidth": 18.070301895,
      "requests": 93.7146
    },
    "south_africa": {
      "bandwidth": 8.77620445,
      "requests": 37.9704
    },
    "usa": {
      "bandwidth": 2330.717545144,
      "requests": 5524.7604
    }
  }
}
```

GET /stats/regions
Fetched the list of codes for regions that are covered by the Fastly CDN service.

**Authentication**

API token.

**Request Example**

```
GET /stats/regions HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "success",
  "meta": {
    "to": "Thu May 16 19:52:15 UTC 2013",
    "from": "Tue Apr 16 19:52:15 UTC 2013",
    "by": "day",
    "region": "all"
  },
  "msg": null,
  "data": [
    "apac",
    "ausnz",
    "usa",
    "europe"
  ]
}
```

### Real-time analytics

**Real-time Analytics**

Fastly provides an HTTPS endpoint to poll for real-time analytics.

**Endpoint**

The base endpoint for the real-time analytics system is [https://rt.fastly.com](https://rt.fastly.com). All URLs are relative to that endpoint. All requests must be sent over HTTPS.

**Authentication**

To authenticate, use a Fastly-Key header containing your API token.

**Channels**

A channel ID is equivalent to a service ID, so each channel will provide real-time analytics for one service. The provided service ID must be owned by the account specified by the API token used for authentication.

**URL structure**

For regular real-time analytics, this call allows you to get (and potentially wait for) any messages after a given timestamp. A message covers a one second interval:

```
<endpoint>/v1/channel/<service id>/ts/<timestamp in seconds>
```

For the first request, the timestamp can be 0. The response will then return a new timestamp field which should be used for the next request.

There is also a "History" call for fetching data from the previous 120 seconds up to the latest timestamp for a channel:

```
<endpoint>/v1/channel/<service id>/ts/h
```

This can be modified by fetching the last N entries.

```
<endpoint>/v1/channel/<service id>/ts/h/limit/<N>
```

**Response structure**
The response is a JSON object. The top level object has two keys: `Timestamp` and `Data`. The `Timestamp` value should be extracted and used for the next API call, e.g.:

1. Set `Timestamp` to 0
2. Make API call
3. Set `Timestamp` to Timestamp value of returned JSON object
4. Do something with the rest of the data
5. Goto #2

The `Data` value is a JSON array. For regular real-time analytics calls, it will have 0 or more items depending on traffic volume. For the history call, it will have as many items as were requested.

```
1 {
  2   "Timestamp" => 1467915558,
  3   "Data" => [ ... ]
  4 }
```

Each item is a JSON object with two keys: `recorded` is a Unix time stamp (e.g., seconds since Jan 1st, 1970) of when this data was generated on our cache servers, and `datacenter` with another JSON object as a value.

```
1 "Data" => [
  2   {
  3     "recorded" => 1467915558,
  4     "datacenter" => {...}
  5   },
  6   ...
  7 }
```

The keys of the `datacenter` JSON object are the names of each of our POPs around the world plus a special key, called `aggregated`, which adds all the values from all the POPs together.

```
1 {
  2   "Data":{
  3     "datacenter":{
  4       "AMS" => {... },
  5       "SIN" => {... },
  6       "SJC" => {... },
  7       ...
  8     },
  9     "aggregated":{  },
 10     "recorded":1478140705
 11   },
 12 },
 13 "Timestamp":1478140713
 14 }
```

The value of each of the POP keys is another JSON object that has various statistics. For example, here are the statistics for our San Jose POP during that time:

```
1 "SJC" => {
  2   "requests"  => 45,
  3   "resp_header_bytes" => 22018,
  4   "resp_body_bytes" => 134564,
  5   "hits"      => 200,
  6   "miss"      => 48,
  7   "synth"     => 4,
  8   "errors"    => 5,
  9   "hits_time" => 200,
 10   "miss_time" => 1000,
 11   "miss_histogram" => {
 12     "0"  => 33,
 13     "10" => 1,
 14     "110" => 1,
 15     "170" => 1,
 16     "250" => 1,
 17     "300" => 2,
 18     "400" => 1,
 19     "650" => 2,
 20     "750" => 1,
 21     "1000" => 1,
 22     "1100" => 1
 23   }
 24 }
```
The keys are the same as those mentioned on the Historical Stats page, but they show some statistics that have occurred since the last request, including the following:

- Number of requests
- Number of bytes transmitted in headers
- Number of bytes transmitted in bodies
- Number of hits
- Number of misses
- Number of synthetic responses
- Number of errors
- Amount of time spent delivering hits
- Amount of time spent delivering misses

The `miss_histogram` object is a JSON object. The keys are time buckets in 10s of milliseconds, and the values are the number of requests to origin. In this example provided above, 33 requests went to origin that took between 80 and 89 milliseconds to fetch.

The `miss_histogram` tops out at 60s. Any origin request that takes more than 60 seconds to return will be in the 60000 bucket.

### Rate limiting

The real-time analytics API is rate limited internally. However, it is also cached behind Fastly with an expiration time of 1s. Under normal use there should be no reason for customers to hit that rate limit.

### Remote Logging

S3

Fastly will upload log messages to the S3 bucket in the format specified in the S3 object.

**Fields**

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>access_key</td>
<td>string</td>
<td>Your S3 account access key.</td>
</tr>
<tr>
<td>acl</td>
<td>string</td>
<td>The access control list (ACL) specific request header. See the AWS documentation for <a href="#">Access Control List (ACL) Specific Request Headers</a> for more information.</td>
</tr>
<tr>
<td>bucket_name</td>
<td>string</td>
<td>The bucket name for S3 account.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
<tr>
<td>domain</td>
<td>string</td>
<td>The domain of the Amazon S3 endpoint.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 2 (the default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2 and in <code>vcl_deliver</code> if <code>format_version</code> is set to 1.</td>
</tr>
<tr>
<td>gzip_level</td>
<td>integer</td>
<td>What level of GZIP encoding to have when dumping logs (default 0, no compression).</td>
</tr>
<tr>
<td>message_type</td>
<td>string</td>
<td>How the message should be formatted One of:</td>
</tr>
<tr>
<td>classic</td>
<td>-</td>
<td>(default) RFC 3164 syslog prefix.</td>
</tr>
<tr>
<td>loggly</td>
<td>-</td>
<td>RFC 5424 structured syslog.</td>
</tr>
<tr>
<td>logplex</td>
<td>-</td>
<td>Heroku-style length prefixed syslog.</td>
</tr>
<tr>
<td>blank</td>
<td>-</td>
<td>No prefix. Useful for writing JSON and CSV.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>--------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the s3 rule.</td>
</tr>
<tr>
<td>path</td>
<td>string</td>
<td>The path to upload logs to.</td>
</tr>
<tr>
<td>period</td>
<td>integer</td>
<td>How frequently log files are finalized so they can be available for reading</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(in seconds, default 3600).</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding</td>
</tr>
<tr>
<td></td>
<td></td>
<td>any format_version default. Can be none or waf_debug. This field is not</td>
</tr>
<tr>
<td></td>
<td></td>
<td>required and has no default value.</td>
</tr>
<tr>
<td>public_key</td>
<td>string</td>
<td>A PGP public key that Fastly will use to encrypt your log files before</td>
</tr>
<tr>
<td></td>
<td></td>
<td>writing them to disk.</td>
</tr>
<tr>
<td>redundancy</td>
<td>string</td>
<td>The S3 redundancy level.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint, or leave</td>
</tr>
<tr>
<td></td>
<td></td>
<td>blank to always execute.</td>
</tr>
<tr>
<td>secret_key</td>
<td>string</td>
<td>Your S3 account secret key.</td>
</tr>
<tr>
<td>server_side_encryption_kms_key_id</td>
<td>string</td>
<td>Optional server-side KMS Key Id. Must be set if server_side_encryption</td>
</tr>
<tr>
<td></td>
<td></td>
<td>is set to aws:kms.</td>
</tr>
<tr>
<td>server_side_encryption</td>
<td>string</td>
<td>Set this to AES256 or aws:kms to enable S3 Server Side Encryption.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>timestamp_format</td>
<td>string</td>
<td>strftime specified timestamp formatting (default &quot;%Y-%m-%dT%H:%M:%S.000&quot;).</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
</tbody>
</table>

**Actions**

GET `/service/service_id/version/version/logging/s3`

List all of the S3s for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

Request Example

```
GET /service/SU1Z0IsxPaozGVKXdv0eY/version/1/logging/s3 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json
```
GET /service/service_id/version/logging/s3/name

Get the S3 for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example

GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/s3/test-s3 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

▼ Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
  "access_key": "AKIAIOSFODNN7EXAMPLE",
  "acl": "",
  "bucket_name": "my_bucket_name",
  "created_at": "2016-05-23T19:48:33+00:00",
  "deleted_at": null,
  "domain": "s3.amazonaws.com",
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "test-s3",
  "path": null,
  "period": "3600",
  "placement": null,
  "public_key": null,
  "redundancy": null,
  "response_condition": "",
  "secret_key": "wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-05-23T19:48:33+00:00",
  "version": "1"
}

POST /service/service_id/version/logging/s3

Create a S3 for a particular service and version

Authentication
**PUT** /service/service_id/version/logging/s3 old_name

Update the S3 for a particular service and version

**Authentication**

**API token** of a user with at least **Engineer permissions**.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the S3 object (used to select the correct S3 object if the name has been changed).</td>
</tr>
</tbody>
</table>

**Request Example**

PUT /service/SU120ixsPaozGVKXdv0eY/version/1/logging/s3/test-s3 HTTP/1.1

Fastly-Key: YOUR_FASTLY_TOKEN

Content-Type: application/x-www-form-urlencoded

Accept: application/json

name=updated-test-s3

**Response Example**

HTTP/1.1 200 OK

Content-Type: application/json

```json
{
  "access_key": "AKIAIOSFODNN7EXAMPLE",
  "acl": "",
  "bucket_name": "my_bucket_name",
  "created_at": "2016-05-23T19:48:33+00:00",
  "deleted_at": null,
  "domain": "s3.amazonaws.com",
  "format": "%h %l %u %t ""%r" %>s %b",
  "format_version": "2.0",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "test-s3",
  "path": null,
  "period": "3600",
  "placement": null,
  "public_key": null,
  "redundancy": null,
  "response_condition": "",
  "secret_key": "wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY",
  "service_id": "SU120ixsPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-05-23T19:48:33+00:00",
  "version": "1"
}
```
DELETE /service/service_id/version/version/logging/s3/name

Delete the S3 for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

Request Example

DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/s3/test-s3 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}

Microsoft Azure Blob Storage

Fastly will upload log messages to the Azure Blob Storage container in the format specified in the Azure Blob object.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the Azure Blob Storage logging endpoint. Required.</td>
</tr>
<tr>
<td>path</td>
<td>string</td>
<td>The path to upload logs to.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
<tr>
<td>account_name</td>
<td>string</td>
<td>The unique Azure Blob Storage namespace in which your data objects are stored.</td>
</tr>
<tr>
<td>container</td>
<td>string</td>
<td>The name of the Azure Blob Storage container in which to store logs. Required.</td>
</tr>
<tr>
<td>sas_token</td>
<td>string</td>
<td>The Azure shared access signature providing write access to the blob service objects. Be sure to update your token before it expires or the logging functionality will not work. Required.</td>
</tr>
<tr>
<td>Field</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>----------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>period</td>
<td>integer</td>
<td>How frequently log files are finalized so they can be available for reading (in seconds, default 3600).</td>
</tr>
<tr>
<td>timestamp_format</td>
<td>string</td>
<td>strftime specified timestamp formatting (default &quot;%Y-%m-%dT%H:%M:%S.000&quot;).</td>
</tr>
<tr>
<td>gzip_level</td>
<td>integer</td>
<td>What level of GZIP encoding to have when dumping logs (default 0, no compression).</td>
</tr>
<tr>
<td>public_key</td>
<td>string</td>
<td>A PGP public key that Fastly will use to encrypt your log files before writing them to disk.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 2 (the default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2 and in <code>vcl_deliver</code> if <code>format_version</code> is set to 1.</td>
</tr>
<tr>
<td>message_type</td>
<td>string</td>
<td>How the message should be formatted. One of:</td>
</tr>
<tr>
<td>classic</td>
<td>-</td>
<td>(default) RFC 3164 syslog prefix.</td>
</tr>
<tr>
<td>loggly</td>
<td>-</td>
<td>RFC 5424 structured syslog.</td>
</tr>
<tr>
<td>logplex</td>
<td>-</td>
<td>Heroku-style length prefixed syslog.</td>
</tr>
<tr>
<td>blank</td>
<td>-</td>
<td>No prefix. Useful for writing JSON and CSV.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any format_version default. Can be <code>none</code> or <code>waf_debug</code>. This field is not required and has no default value.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint, or leave blank to always execute.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was created.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
</tbody>
</table>

**Actions**

**GET**  /service/ service_id /version/ version /logging/azureblob

List all of the Azure Blob Storage logging endpoints for a particular service and version.

**Authentication**

*API token* of a user with at least Engineer permissions.

**Request Example**

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/azureblob HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json
```
GET /service/ service_id /version /logging/azureblob/ name

Get the Azure Blob Storage logging endpoint for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the Azure rule.</td>
</tr>
</tbody>
</table>

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/azureblob/test-azure HTTP/1.1

Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▲ Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json
```

```
{
  "placement": null,
  "format_version": "2",
  "sas_token": "sv=2018-09-05&sr=b&sig=%2FRHI5XKcg0Mq2rqf3OlWTjEg2tyKboXx199UXDtkk3D&se=2018-09-30T02%3A23%3A26%26ap=cw",
  "gzip_level": "0",
  "response_condition": ",",
  "public_key": null,
  "updated_at": "2018-09-12T20:49:16Z",
  "message_type": "classic",
  "period": "3600",
  "name": "test-azure",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "container": "test-container",
  "path": null,
  "deleted_at": null,
  "account_name": "test-account",
  "created_at": "2018-09-12T20:49:16Z",
  "format": "%h %l %u %t "%r" %>s %b"
}
```
Create an Azure Blob Storage logging endpoint for a particular service and version.

Authentication

**API token** of a user with at least **Engineer permissions**.

Request Example

```plaintext
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/azureblob HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-azure&account_name=test-account&container=test-container&sas_token=sv=2018-09-05&sr=basig%2F%2FRHIIX5XcgoMQ2rq130lWTjEg2tYkboXr1P9UXDtkk%3D&se=2018-09-30T0%23A23%3A26%61sp=rw
```

**HTTP/1.1 200 OK**

Content-Type: application/json

```json
{
    "name": "test-azure",
    "version": "1",
    "account_name": "test-account",
    "container": "test-container",
    "path": null,
    "deleted_at": null,
    "message_type": "classic",
    "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
    "sas_token": "sv=2018-09-05&sr=basig%2F%2FRHIIX5XcgoMQ2rq130lWTjEg2tYkboXr1P9UXDtkk%3D&se=2018-09-30T0%23A23%3A26%61sp=rw"
}
```

Update the Azure Blob Storage logging endpoint for a particular service and version.

Authentication

**API token** of a user with at least **Engineer permissions**.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the Azure rule</td>
</tr>
</tbody>
</table>

Request Example

```plaintext
PUT /service/service_id/version/1/logging/azureblob/name HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

sas_token=sv=2018-09-05&sr=basig%2F%2FRHIIX5XcgoMQ2rq130lWTjEg2tYkboXr1P9UXDtkk%3D&se=2018-09-30T0%23A23%3A26%61sp=rw
```

**HTTP/1.1 200 OK**

Content-Type: application/json

```json
{
    "name": "test-azure",
    "version": "1",
    "account_name": "test-account",
    "container": "test-container",
    "path": null,
    "deleted_at": null,
    "message_type": "classic",
    "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
    "sas_token": "sv=2018-09-05&sr=basig%2F%2FRHIIX5XcgoMQ2rq130lWTjEg2tYkboXr1P9UXDtkk%3D&se=2018-09-30T0%23A23%3A26%61sp=rw"
}
```
DELETE /service/ service_id /version/ version /logging/azureblob/ name

Delete the Azure Blob Storage logging endpoint for a particular service and version.

Authentication

API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the Azure rule.</td>
</tr>
</tbody>
</table>

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/azureblob/test-azure HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

Cloudfiles

Fastly will upload log messages to your Rackspace Cloud Files account.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>access_key</td>
<td>string</td>
<td>Your Cloudfile account access key.</td>
</tr>
<tr>
<td>bucket_name</td>
<td>string</td>
<td>The name of your Cloudfiles container.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-------------------</td>
<td>-------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 2 (the default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2, and in <code>vcl_deliver</code> if <code>format_version</code> is set to 1.</td>
</tr>
<tr>
<td>gzip_level</td>
<td>integer</td>
<td>What level of GZIP encoding to have when dumping logs (default 0, no compression).</td>
</tr>
<tr>
<td>message_type</td>
<td>string</td>
<td>How the message should be formatted. One of:</td>
</tr>
<tr>
<td>classic</td>
<td>-</td>
<td>(default) RFC 3164 syslog prefix.</td>
</tr>
<tr>
<td>loggly</td>
<td>-</td>
<td>RFC 5424 structured syslog.</td>
</tr>
<tr>
<td>logplex</td>
<td>-</td>
<td>Heroku-style length prefixed syslog.</td>
</tr>
<tr>
<td>blank</td>
<td>-</td>
<td>No prefix. Useful for writing JSON and CSV.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the Cloudfiles rule.</td>
</tr>
<tr>
<td>path</td>
<td>string</td>
<td>The path to upload logs to.</td>
</tr>
<tr>
<td>region</td>
<td>string</td>
<td>The region to stream logs to. One of:</td>
</tr>
<tr>
<td>DFW</td>
<td>-</td>
<td>Dallas</td>
</tr>
<tr>
<td>ORD</td>
<td>-</td>
<td>Chicago</td>
</tr>
<tr>
<td>IAD</td>
<td>-</td>
<td>Northern Virginia</td>
</tr>
<tr>
<td>LON</td>
<td>-</td>
<td>London</td>
</tr>
<tr>
<td>SYD</td>
<td>-</td>
<td>Sydney</td>
</tr>
<tr>
<td>HKG</td>
<td>-</td>
<td>Hong Kong</td>
</tr>
<tr>
<td>period</td>
<td>integer</td>
<td>How frequently log files are finalized so they can be available for reading (in seconds, default 3600).</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any <code>format_version</code> default. Can be <code>none</code> or <code>waf_debug</code>. This field is not required and has no default value.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint, or leave blank to always execute.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>timestamp_format</td>
<td>string</td>
<td>The specified format of the log’s timestamp.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
<tr>
<td>user</td>
<td>string</td>
<td>The username for your Cloudfile account.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
</tbody>
</table>

**Actions**

GET /service/service_id/version/version/logging/cloudfiles

List all of the cloudfiles for a particular service and version

Authentication

API token of a user with at least [Engineer permissions](https://docs.fastly.com/api/aio).

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/cloudfiles HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```
### GET Response Example

**HTTP/1.1 200 OK**

```
Content-Type: application/json

[
  {
    "gzip_level": "0",
    "service_id": "0v6YYHeN5udQxdHLx0840Z",
    "bucket_name": "test-bucket",
    "user": "test-user",
    "public_key": null,
    "created_at": "2019-05-21T22:49:44Z",
    "name": "test-cloudfiles",
    "response_condition": "",
    "period": "3600",
    "message_type": "classic",
    "deleted_at": null,
    "region": null,
    "access_key": "AKIAIOSFODNN7EXAMPLE",
    "format": "%h %l %u %t "%r" %>s %b",
    "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
    "path": null,
    "version": "1",
    "placement": null,
    "format_version": "2"
  }
]
```

### GET /service/service_id/version/logging/cloudfiles/name

Get the cloudfiles for a particular service and version

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```
GET /service/SU1Z0isxPa0oCWXz0eY/version/1/logging/cloudfiles/test-cloudfiles HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

### POST /service/service_id/version/logging/cloudfiles

Create a cloudfiles for a particular service and version

**Authentication**

- [Download the file](https://docs.fastly.com/api/aio)
**API token** of a user with at least **Engineer permissions**.

## Request Example

```plaintext
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/cloudfiles HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-cloudfiles 
 &user=test-user 
 &bucket_name=test-bucket 
 &access_key=AKIAIOSFODNN7EXAMPLE 
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "name": "test-cloudfiles",
  "user": "test-user",
  "access_key": "AKIAIOSFODNN7EXAMPLE",
  "bucket_name": "test-bucket",
  "service_id": "0v6YHRN5udQxdHLx0S4oz",
  "version": "1",
  "format_version": "2",
  "path": null,
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "placement": null,
  "format": "%h %l %u %t "%r" %>s %b",
  "deleted_at": null,
  "region": null,
  "message_type": "classic",
  "response_condition": "",
  "period": 3600,
  "created_at": "2019-05-21T22:49:44Z",
  "public_key": null,
  "gzip_level": 0
}
```

## PUT /service/service_id/version/version/logging/cloudfiles/old_name

Update the cloudfiles for a particular service and version

**Authentication**

**API token** of a user with at least **Engineer permissions**.

## Request Example

```plaintext
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/cloudfiles/test-cloudfiles HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=updated-test-cloudfiles
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json
```
DELETE /service/service_id/version/logging/cloudfiles/name

Delete the cloudfiles for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdvoeY/version/1/logging/cloudfiles/test-cloudfiles HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

DigitalOcean Spaces

Fastly will upload log messages to the DigitalOcean Space in the format specified in the DigitalOcean Spaces object.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the DigitalOcean object.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
<tr>
<td>bucket_name</td>
<td>string</td>
<td>The name of the DigitalOcean Space.</td>
</tr>
<tr>
<td>access_key</td>
<td>string</td>
<td>Your DigitalOcean Spaces account access key.</td>
</tr>
<tr>
<td>secret_key</td>
<td>string</td>
<td>Your DigitalOcean Spaces account secret key.</td>
</tr>
<tr>
<td>domain</td>
<td>string</td>
<td>The domain of the DigitalOcean Spaces endpoint (default &quot;nyc3.digitaloceanspaces.com&quot;).</td>
</tr>
<tr>
<td>path</td>
<td>string</td>
<td>The path to upload logs to.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>--------------------</td>
<td>------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>period</td>
<td>integer</td>
<td>How frequently log files are finalized so they can be available for reading (in seconds, default 3600).</td>
</tr>
<tr>
<td>timestamp_format</td>
<td>string</td>
<td>strftime specified timestamp formatting (default &quot;%Y-%m-%dT%H:%M:%S.000&quot;).</td>
</tr>
<tr>
<td>gzip_level</td>
<td>integer</td>
<td>What level of GZIP encoding to have when dumping logs (default 0, no compression).</td>
</tr>
<tr>
<td>public_key</td>
<td>string</td>
<td>A PGP public key that Fastly will use to encrypt your log files before writing them to disk.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 2 (the default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2 and in <code>vcl_deliver</code> if <code>format_version</code> is set to 1.</td>
</tr>
<tr>
<td>message_type</td>
<td>string</td>
<td>How the message should be formatted. One of:</td>
</tr>
<tr>
<td>classic</td>
<td>-</td>
<td>(default) RFC 3164 syslog prefix.</td>
</tr>
<tr>
<td>loggly</td>
<td>-</td>
<td>RFC 5424 structured syslog.</td>
</tr>
<tr>
<td>logplex</td>
<td>-</td>
<td>Heroku-style length prefixed syslog.</td>
</tr>
<tr>
<td>blank</td>
<td>-</td>
<td>No prefix. Useful for writing JSON and CSV.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any format_version default. Can be <code>none</code> or <code>waf_debug</code>. This field is not required and has no default value.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint, or leave blank to always execute.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was created.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was updated.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
</tbody>
</table>

**Actions**

GET `/service/ service_id /version/ version /logging/digitalocean`

List all of the DigitalOcean Spaces for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

Request Example

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/digitalocean HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json
```
GET  /service/ service_id /version /version /logging/digitalocean/ name

Get the DigitalOcean Space for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/digitalocean/test-digitalocean HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json
```

```
{
  "access_key": "AKIAIOSFODNN7EXAMPLE",
  "bucket_name": "my_space_name",
  "created_at": "2016-05-23T19:48:33+00:00",
  "deleted_at": null,
  "domain": "nyc3.digitaloceanspaces.com",
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "test-digitalocean",
  "path": null,
  "period": "3600",
  "placement": null,
  "response_condition": "",
  "secret_key": "wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-05-23T19:48:33+00:00",
  "version": "1"
}
```

POST  /service/ service_id /version /version /logging/digitalocean

Create a DigitalOcean Space for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example
**PUT** /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/digitalocean HTTP/1.1

```
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-digitalocean&bucket_name=my_corporate_bucket&access_key=AKIAIOSFODNN7EXAMPLE&secret_key=wJalrXUtncFEMI/K7MDENG/bPxRfyJCYEXAMPLEKEY
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
    "access_key": "AKIAIOSFODNN7EXAMPLE",
    "bucket_name": "my_space_name",
    "created_at": "2016-05-23T19:48:33+00:00",
    "deleted_at": null,
    "domain": "nyc3.digitaloceanspaces.com",
    "format": "%h %l %u %t "%r" %>s %b",
    "format_version": "2",
    "gzip_level": 0,
    "message_type": "classic",
    "name": "test-digitalocean",
    "path": null,
    "period": "3600",
    "placement": null,
    "response_condition": "",
    "secret_key": "wJalrXUtncFEMI/K7MDENG/bPxRfyJCYEXAMPLEKEY",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
    "updated_at": "2016-05-23T19:48:33+00:00",
    "version": "1"
}
```
DELETE  /service/ service_id /version/ version /logging/digitalocean/ name

Delete the DigitalOcean Space for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/digitalocean/test-digitalocean

HTTP /1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
    "status": "ok"
}
```

Elasticsearch

Fastly will upload log messages periodically to the server in the format specified in the Elasticsearch object.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the Elasticsearch endpoint. Required.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
<tr>
<td>index</td>
<td>string</td>
<td>The name of the Elasticsearch index to send documents (logs) to. The index must follow the Elasticsearch index format rules. We support strftime interpolated variables inside braces prefixed with a pound symbol. For example, #{%F} will interpolate as YYYY-MM-DD with today’s date. Required.</td>
</tr>
<tr>
<td>url</td>
<td>string</td>
<td>The URL to stream logs to. Required.</td>
</tr>
<tr>
<td>pipeline</td>
<td>string</td>
<td>The ID of the Elasticsearch ingest pipeline to apply pre-process transformations to before indexing. For example my_pipeline_id. Learn more about creating a pipeline in the Elasticsearch docs.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-----------------------</td>
<td>----------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>request_max_entries</td>
<td>integer</td>
<td>Maximum number of logs to append to a batch, if non-zero. Defaults to 0 for unbounded.</td>
</tr>
<tr>
<td>request_max_bytes</td>
<td>integer</td>
<td>Maximum size of log batch, if non-zero. Defaults to 0 for unbounded.</td>
</tr>
<tr>
<td>user</td>
<td>string</td>
<td>BasicAuth User.</td>
</tr>
<tr>
<td>password</td>
<td>string</td>
<td>BasicAuth Pass.</td>
</tr>
<tr>
<td>tls_ca_cert</td>
<td>string</td>
<td>A secure certificate to authenticate the server with. Must be in PEM format.</td>
</tr>
<tr>
<td>tls_client_cert</td>
<td>string</td>
<td>The client certificate used to make authenticated requests. Must be in PEM format.</td>
</tr>
<tr>
<td>tls_client_key</td>
<td>string</td>
<td>The client private key used to make authenticated requests. Must be in PEM format.</td>
</tr>
<tr>
<td>tls_hostname</td>
<td>string</td>
<td>The hostname used to verify the server’s certificate. It can either be the Common Name (CN) or a Subject Alternative Name (SAN).</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting. Your log must produce valid JSON that Elasticsearch can ingest.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 2 (the default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2 and in <code>vcl_deliver</code> if <code>format_version</code> is set to 1.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any format_version default. Can be <code>none</code> or <code>waf_debug</code>. This field is not required and has no default value.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint, or leave blank to always execute.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was created.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
</tbody>
</table>

### Actions

**GET /service/service_id/version/version/logging/elasticsearch**

List all of the Elasticsearch logging endpoints for a particular service and version.

**Authentication**

*API token* of a user with at least *Engineer permissions*.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/elasticsearch HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json
```
GET /service/service_id/version/logging/elasticsearch/name

Get the Elasticsearch logging endpoint for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the Elasticsearch rule.</td>
</tr>
</tbody>
</table>

Request Example

```
GET /service/SU1Z0isxPaozGVXKXdv0eY/version/1/logging/elasticsearch/test-elasticsearch HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json
```
POST /service/service_id/version/logging/elasticsearch

Create a Elasticsearch logging endpoint for a particular service and version.

Authentication

API token of a user with at least Engineer permissions.

Request Example

```plaintext
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/elasticsearch HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-elasticsearch&index=test-index&url=https://www.example.com
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json
```
PUT /service/service_id/version/logging/elasticsearch/name

Update the Elasticsearch logging endpoint for a particular service and version.

Authentication

**API token** of a user with at least **Engineer permissions**.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the Elasticsearch rule.</td>
</tr>
</tbody>
</table>

Request Example

```
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/elasticsearch/test-elasticsearch HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=updated-test-elasticsearch
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json
```
DELETE /service/service_id/version/logging/elasticsearch/name

Delete the Elasticsearch logging endpoint for a particular service and version.

Authentication

API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the Elasticsearch rule.</td>
</tr>
</tbody>
</table>

Request Example

DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/elasticsearch/updated-test-elasticsearch HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
    "status": "ok"
}

FTP

Fastly will upload log messages periodically to the server in the format specified in the FTP object.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>address</td>
<td>string</td>
<td>An hostname or IPv4 address.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
</tbody>
</table>
### GET field type description

**field**

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>format</strong></td>
<td>string</td>
<td>Apache style log formatting.</td>
</tr>
<tr>
<td><strong>format_version</strong></td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 2 (the default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2 and in <code>vcl_deliver</code> if <code>format_version</code> is set to 1.</td>
</tr>
<tr>
<td><strong>gzip_level</strong></td>
<td>integer</td>
<td>What level of GZIP encoding to have when dumping logs (default 0, no compression).</td>
</tr>
<tr>
<td><strong>hostname</strong></td>
<td>string</td>
<td>Hostname used.</td>
</tr>
<tr>
<td><strong>ipv4</strong></td>
<td>string</td>
<td>IPv4 address of the host.</td>
</tr>
<tr>
<td><strong>message_type</strong></td>
<td>string</td>
<td>How the message should be formatted One of:</td>
</tr>
<tr>
<td>classic</td>
<td>-</td>
<td>(default) RFC 3164 syslog prefix.</td>
</tr>
<tr>
<td>loggly</td>
<td>-</td>
<td>RFC 5424 structured syslog.</td>
</tr>
<tr>
<td>logplex</td>
<td>-</td>
<td>Heroku-style length prefixed syslog.</td>
</tr>
<tr>
<td>blank</td>
<td>-</td>
<td>No prefix. Useful for writing JSON and CSV.</td>
</tr>
<tr>
<td><strong>name</strong></td>
<td>string</td>
<td>The name of the ftp endpoint.</td>
</tr>
<tr>
<td><strong>password</strong></td>
<td>string</td>
<td>The password for the server (for anonymous use an email address).</td>
</tr>
<tr>
<td><strong>path</strong></td>
<td>string</td>
<td>The path to upload log files to. If the path ends in / then it is treated as a directory.</td>
</tr>
<tr>
<td><strong>period</strong></td>
<td>integer</td>
<td>How frequently log files are finalized so they can be available for reading (in seconds, default 3600).</td>
</tr>
<tr>
<td><strong>placement</strong></td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any format_version default. Can be <code>none</code> or <code>waf_debug</code>. This field is not required and has no default value.</td>
</tr>
<tr>
<td><strong>port</strong></td>
<td>integer</td>
<td>The port number.</td>
</tr>
<tr>
<td><strong>response_condition</strong></td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint, or leave blank to always execute.</td>
</tr>
<tr>
<td><strong>service_id</strong></td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td><strong>timestamp_format</strong></td>
<td>string</td>
<td>strftime specified timestamp formatting (default &quot;%Y-%m-%dT%H:%M:%S.000&quot;).</td>
</tr>
<tr>
<td><strong>updated_at</strong></td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was updated.</td>
</tr>
<tr>
<td><strong>user</strong></td>
<td>string</td>
<td>The username for the server (can be anonymous).</td>
</tr>
<tr>
<td><strong>version</strong></td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
</tbody>
</table>

### Actions

**GET /service/ service_id /version/ version /logging/ftp**

List all of the FTPs for a particular service and version

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```
GET /service/SU1Z0isxPaogC7vKvQ0eY/version/1/logging/ftp HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json
```
GET /service/service_id/version/logging/ftp/name

Get the FTP for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/ftp/test-ftp HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example
HTTP/1.1 200 OK
Content-Type: application/json

{
  "address": "example.com",
  "created_at": "2016-05-17T18:27:29+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "gzip_level": 0,
  "hostname": "example.com",
  "ipv4": "127.0.0.1",
  "message_type": "classic",
  "name": "test-ftp",
  "password": "ftp@example.com",
  "path": "/",
  "period": "3600",
  "placement": null,
  "port": "514",
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-05-17T18:27:29+00:00",
  "user": "anonymous",
  "version": "1"
}

POST /service/service_id/version/logging/ftp

Create a FTP for a particular service and version

Authentication
API token of a user with at least Engineer permissions.
PUT /service/SU1Z0isxPaozGVXKdv0eY/version/1/logging/ftp

Request Example

HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-ftp&address=example.com&user=anonymous&password=ftp@example.com&path=/

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

```json
{
    "address": "example.com",
    "created_at": "2016-05-17T18:27:29+00:00",
    "deleted_at": null,
    "format": "%h %l %u %t \"%r\" %>s %b",
    "format_version": "2",
    "gzip_level": 0,
    "hostname": "example.com",
    "ipv4": "127.0.0.1",
    "message_type": "classic",
    "name": "test-ftp",
    "password": "ftp@example.com",
    "path": "/",
    "period": "3600",
    "placement": null,
    "port": "514",
    "response_condition": "",
    "service_id": "SU1Z0isxPaozGVXKdv0eY",
    "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
    "updated_at": "2016-05-17T18:27:29+00:00",
    "user": "anonymous",
    "version": "1"
}
```

PUT /service/ service_id /version/ version /logging/ftp/ old_name

Update the FTP for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the FTP object (used to select the correct FTP object if the name has been changed).</td>
</tr>
</tbody>
</table>

Request Example

PUT /service/SU1Z0isxPaozGVXKdv0eY/version/1/logging/ftp/test-ftp

Response Example

HTTP/1.1 200 OK
Content-Type: application/json
DELETE /service/service_id/version/logging/ftp/name

Delete the FTP for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example
```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/ftp/test-ftp
HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example
```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

Google BigQuery Logging
Fastly will upload log messages to the Google BigQuery dataset and table in the format specified in the BigQuery logging object.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the BigQuery logging object. Used as a primary key for API access.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting. Must produce JSON that matches the schema of your BigQuery table.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 2 (the default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2 and in <code>vcl_deliver</code> if <code>format_version</code> is set to 1.</td>
</tr>
<tr>
<td>user</td>
<td>string</td>
<td>Your Google Cloud Platform service account email address. The <code>client_email</code> field in your service account authentication JSON.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>---------------------</td>
<td>----------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>secret_key</td>
<td>string</td>
<td>Your Google Cloud Platform account secret key. The private_key field in your service account authentication JSON.</td>
</tr>
<tr>
<td>project_id</td>
<td>string</td>
<td>Your Google Cloud Platform project ID.</td>
</tr>
<tr>
<td>dataset</td>
<td>string</td>
<td>Your BigQuery dataset.</td>
</tr>
<tr>
<td>table</td>
<td>string</td>
<td>Your BigQuery table.</td>
</tr>
<tr>
<td>template_suffix</td>
<td>string</td>
<td>BigQuery table name suffix template. Optional.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any format_version default. Can be none or waf_debug. This field is not required and has no default value.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint, or leave blank to always execute.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the object was created.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the object was updated.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the object was deleted.</td>
</tr>
</tbody>
</table>

**Actions**

**GET** /service/service_id/version/logging/bigquery

List all of the BigQuery logging objects for a particular service and version.

**Authentication**

**API token** of a user with at least **Engineer permissions**.

**Request Example**

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/bigquery HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```json
HTTP/1.1 200 OK
Content-Type: application/json

[
{
"placement": "null",
"service_id": "SU1Z0isxPaozGVKXdv0eY",
"name": "my_bigquery_logging",
"format": "{\"timestamp\": \"(begin:Y-m-dT%H:%M:%S)\", \"time_elapsed\": \"(time.elapsed.usec)\", \"is_tls\": \"(if(req.is_ssl, \"true\", \"false\")\", \"client_ip\": \"(req.http.Client-IP)\", \n"geo_city\": \"(client.geo.city)\", \"geo_country_code\": \"(client.geo.country_code)\", \n"request\": \"(req.request)\", \n"host\": \"(req.http.Fastly-Orig-Host)\", \n"url\": \"(json.escape(req.url))\", \n"request_referer\": \"(json.escape(req.http.Referer))\", \n"request_user_agent\": \"(json.escape(req.http.User-Agent))\", \n"request_accept_language\": \"(json.escape(req.http.Accept-Language))\", \n"request_accept_charset\": \"(json.escape(req.http.Accept-Charset))\", \n"cache_status\": \"(regsub(fastly_info.state, \"^(HIT-(SYNTH)|(HITPASS|HIT|MISS|PASS|ERROR|PIPE)).*\", \"\\2\\3\") )\"\", \n"request_accept_charset\": \"(json.escape(req.http.Accept-Charset))\", \n"request_user_agent\": \"(json.escape(req.http.User-Agent))\", \n"request_accept_language\": \"(json.escape(req.http.Accept-Language))\", \n"request_accept_charset\": \"(json.escape(req.http.Accept-Charset))\", \n"cache_status\": \"(regsub(fastly_info.state, \"^(HIT-(SYNTH)|(HITPASS|HIT|MISS|PASS|ERROR|PIPE)).*\", \"\\2\\3\") )\"\", \n"response_condition": ""}
}
```
GET /service/service_id/version/version/logging/bigquery/name

Get the details for a BigQuery logging object for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the BigQuery logging object.</td>
</tr>
</tbody>
</table>

Request Example

GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/bigquery/my_bigquery_logging HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

▼ Response Example

HTTP/1.1 200 OK
Content-Type: application/json

```json
{
  "placement": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "name": "my_bigquery_logging",
  "format": '{\n    "timestamp": \"{begin:%Y-%m-%dT%H:%M:%S}t\",\n    "time_elapsed":\${time.elapsed.usec}V,\n    "is_tls":\${if(req.is_ssl,\"true",\"false\")V,\n    "geo_city":\${client.geo.city}V,\n    "geo_country_code":\${client.geo.country_code}V,\n    "request":\${req.request}V,\n    "host":\${req.http.Fastly-Orig-Host}V,\n    "url":\${json.escape(req.url)}V,\n    "response_condition": "",
    "request_accept_language": \"\"\"\",
    "request_user_agent": \"\"\"\",
    "request_accept_charset": \"\"\"\",
    "cache_status": \"\"\"\"
  }',
  "format_version": "2",
  "user": "fastly-bigquery-log@example-fastly-log.iam.gserviceaccount.com",
  "project_id": "example-fastly-log",
  "dataset": "fastly_log_test",
  "table": "fastly_logs",
  "template_suffix": null,
  "secret_key": "-----BEGIN PRIVATE KEY-----
...
-----END PRIVATE KEY-----",
  "created_at": "2016-05-17T20:23:15+00:00",
  "updated_at": "2016-05-17T20:23:15+00:00",
  "deleted_at": null,
  "response_condition": ""
}
```

POST /service/service_id/version/version/logging/bigquery

Create a BigQuery logging object for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Request Example

POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/bigquery HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

```
name=my_bigquery_logging&project_id=example-fastly-log&dataset=fastly_log_test&table=fastly_logs&user=fastly-bigquery-log@example-fastly-log.iam.gserviceaccount.com&secret_key=-----BEGIN PRIVATE KEY-----
```

▼ Response Example

HTTP/1.1 200 OK
Content-Type: application/json
PUT /service/service_id/version/logging/bigquery/old_name

Update a BigQuery logging object for a particular service and version.

Authentication

API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the BigQuery logging object (used to select the correct BigQuery logging object if the name has been changed).</td>
</tr>
</tbody>
</table>

Request Example

PUT /service/SU120ixPaozGvXKxdv0EY/version/1/logging/bigquery/my_bigquery_logging HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=my_new_bigquery_name

▼ Response Example

HTTP/1.1 200 OK
Content-Type: application/json

```json
{
  "placement": null,
  "service_id": "SU120ixPaozGvXKxdv0EY",
  "name": "my_bigquery_logging",
  "format": "{\n"timestamp": "{begin:%Y-%m-%dT%H:%M:%S+00:00},\n  "time_elapsed": "{time.elapsed.usec},\n  "is_tls": "{\n    \"request\": "{req.is_ssl, \"true\", \"false\"}V,\n    \"client_ip\": \"{req.http.Fastly-Client-IP}V,\n  \"geo_city\": \"{client.geo.city}V,\n  \"geo_country_code\": \"{client.geo.country_code}V,\n  \"request_referer\": \"{req.http.Fastly-Origin-Host}V,\n  \"uri\": \"{json.escape(req.url)}V,\n  \"request_user_agent\": \"{json.escape(req.http.User-Agent)}V,\n  \"request_accept_language\": \"{json.escape(req.http.Accept-Language)}V,\n  \"request_accept_charset\": \"{json.escape(req.http.Accept-Charset)}V,\n  \"request_url\": \"{req.url}V,\n  \"cache_status\": \"{req.sub(fastly_info.state, \"{\"HIT\"-(SYNTH)|(HITPASS|HIT|MISS|PASS|ERROR|PIPE)}}\" )V\"V\"n","
  "format_version": "2",
  "user": "fastly-bigquery-log@example-fastly-log.iam.gserviceaccount.com",
  "project_id": \"example-fastly-log\",
  "is_tls": \"my_bigquery_logging\",
  "created_at": \"2016-05-17T20:23:15+00:00\",
  "deleted_at": null,
  "response_condition": ""
}
```
DELETE /service/service_id/version/logging/bigquery/ name

Delete a BigQuery logging object for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the BigQuery logging object.</td>
</tr>
</tbody>
</table>

Request Example

```
DELETE /service/SU1BiszPas2GVXdv0eY/version/1/logging/bigquery/my_bigquery_logging HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

Google Cloud Pub/Sub Logging
Fastly will publish log messages to a Google Cloud Pub/Sub topic in the format specified in the Pub/Sub logging object.

⚠️ IMPORTANT: This information is part of a limited availability release. For more information, see our product and feature lifecycle descriptions.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>The name for the Google Cloud Pub/Sub configuration. Required.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting. Default is &quot;$h $l $u $t &quot;$r&quot; &quot;$s $b&quot;</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 2 (the default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by default in vcl_log if format_version is set to 2 and in vcl_deliver if format_version is set to 1.</td>
</tr>
<tr>
<td>user</td>
<td>string</td>
<td>Your Google Cloud Platform service account email address. The client_email field in your service account authentication JSON. Required.</td>
</tr>
<tr>
<td>secret_key</td>
<td>string</td>
<td>Your Google Cloud Platform account secret key. The private_key field in your service account authentication JSON. Required.</td>
</tr>
<tr>
<td>project_id</td>
<td>string</td>
<td>The ID of your Google Cloud Platform project. Required.</td>
</tr>
<tr>
<td>topic</td>
<td>string</td>
<td>The Google Cloud Pub/Sub topic to which logs will be published. Required.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any format_version default. Can be none or waf_debug. This field is not required and has no default value.</td>
</tr>
</tbody>
</table>
### GET /service/service_id/version/logging/pubsub

List all of the Pub/Sub logging objects for a particular service and version.

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/pubsub

HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```json
HTTP/1.1 200 OK
Content-Type: application/json

[

{
  "placement": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "name": "my_pubsub_logging",
  "format": "{% "timestamp":\$(begin:\%Y-%m-%dT%H:%M:%S)\t,\n \n \time_elapsed":\$(time.elapsed.usec)\n\n \is_tls\$\n  \(\text{if(req.is_ssl,}\"true\",\"false\")}\n\n \client_ip\$\n  \(\text{if(req.http.Fastly-Client-IP}\n\n \geo_city\$\n  \(\text{if(req.http.Fastly-Orig-Host}\n\n \url\$\n  \(\text{if(req.http.Fastly-Orig-Host}\n\n \request\$\n  \(\text{if(req.http.Referer}\n\n \request_user_agent\$\n  \(\text{if(req.http.User-Agent}\n\n \request_accept_language\$\n  \(\text{if(req.http.Accept-Language}\n\n \request_accept_charset\$\n  \(\text{if(req.http.Accept-Charset}\n\n \cache_status\$\n  \(\text{if(regsub(fastly_info.state,\"^(HIT-(SYNTH)|(HITPASS|HIT|MISS|PASS|ERROR|PIPE)).*\",\"\\2\\3\") }\n\n \request_accept_charset\$\n  \(\text{if(req.http.Accept-Charset}\n\n \response_condition": ""
}
]
```

### GET /service/service_id/version/logging/pubsub/name

Get the details for a Pub/Sub logging object for a particular service and version.

**Authentication**

API token of a user with at least Engineer permissions.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the Pub/Sub logging object.</td>
</tr>
</tbody>
</table>

**Request Example**

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/pubsub/my_pubsub_logging

HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```
POST /service/service_id/version/logging/pubsub

Create a Pub/Sub logging object for a particular service and version.

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```
POST /service/SUI20IsxFaozGvKXdv0eY/version/1/logging/pubsub HTTP/1.1
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=my_pubsub_logging&project_id=example-fastly-log&topic=fastly_log_test&user=fastly-pubsub-log@example-fastly-log.iam.gserviceaccount.com&secret_key=-----BEGIN PRIVATE KEY-----
...
-----END PRIVATE KEY-----
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "placement": null,
  "service_id": "SUI20IsxFaozGvKXdv0eY",
  "version": "1",
  "name": "my_pubsub_logging",
  "format": "{\"timestamp\":\"{begin:%Y-%m-%dTH%H:%M:%S}\"\",\n   \"time_elapsed\":\"{time.elapsed.usec}\"\n\n   \"is_time\":\"{if(req.is_ssl, \"true\", \"false\")}\n   \"client_ip\":\"{req.http.Fastly-Client-IP}\n\n\n   \"geo_city\":\"{client.geo.city}\n   \"geo_country_code\":\"{client.geo.country_code}\n   \"request\":\"{\n   \"request\":\"{req.request}\n\n   \"proto\":\"{req.http-request-protocol}\n\n   \"url\":\"{json.escape(req.http-url)}\n   \"host\":\"{req.http-fastly-origin-host}\n   \"user\":\"{json.escape(req.http-user)}\n   \"is_tls\":\"{if(req.is_ssl, \"true\", \"false\")}\n   \"created_at\":\"2016-05-17T20:23:15+00:00\n   \"updated_at\":\"2016-05-17T20:23:15+00:00\n\n   \"response\":null,
   \"response_condition\":\"
```

```
PUT /service/service_id/version/logging/pubsub/old_name

Update a Pub/Sub logging object for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the Pub/Sub logging object (used to select the correct Pub/Sub logging object if the name has been changed).</td>
</tr>
</tbody>
</table>

Request Example

```plaintext
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/pubsub/my_pubsub_logging HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

topic=my_new_topic
```

Response Example

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

{
  "placement": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "name": "my_pubsub_logging",
  "format": "{% "timestamp": \"%{begin:%Y-%m-%dT%H:%M:%S}t\", \n  "time_elapsed": \"%{elapsed.usec}V\", \n  "is_tsl": \"%{if(req.is_ssl, \"true\", \"false\")}\", \n  "client_ip": \"%{req.http.Fastly-Client-IP}\", \n  "geo_city": \"%{client.geo.city}\", \n  "geo_country_code": \"%{client.geo.country_code}\", \n  "request": \"%{req.request}\", \n  "host": \"%{req.http.Fastly-Orig-Host}\", \n  "url": \"%{json.escape(req.url)}\", \n  "request_referer": \"%{json.escape(req.http.Referer)}\", \n  "request_user_agent": \"%{json.escape(req.http.User-Agent)}\", \n  "request_accept_language": \"%{json.escape(req.http.Accept-Language)}\", \n  "cache_status": \"%{regsub(fastly_info.state, \"^\(HIT-(SYNTH|HITPASS|HIT|MISS|PASS|ERROR|PIPE).*\)\", \"\2\3\")}\",
  "format_version": "2",
  "user": "fastly-pubsub-log@example-fastly-log.iam.gserviceaccount.com",
  "project_id": "example-fastly-log",
  "topic": "my_new_topic",
  "secret_key": "-----BEGIN PRIVATE KEY-----\n...\n-----END PRIVATE KEY-----\n",
  "created_at": "2016-05-17T20:15:00+00:00",
  "updated_at": "2016-05-17T20:15:00+00:00",
  "deleted_at": null,
  "response_condition": ""
}
```

DELETE /service/service_id/version/logging/pubsub/name

Delete a Pub/Sub logging object for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the Pub/Sub logging object.</td>
</tr>
</tbody>
</table>

Request Example

```plaintext
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/pubsub/my_pubsub_logging HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json
```
GCS Logging
Fastly will upload log messages to the GCS bucket in the format specified in the GCS object.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>bucket_name</td>
<td>string</td>
<td>The bucket of the GCS bucket.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting (defaults to '%h %l %u %t &quot;%r&quot; %&gt;s %b').</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Can be either 2 (the default, version 2 log format) or 1 (the version 1 log</td>
</tr>
<tr>
<td></td>
<td></td>
<td>format). The logging call gets placed by default in <code>vcl_log</code> if `format_</td>
</tr>
<tr>
<td></td>
<td></td>
<td>version<code>is set to 2 and in</code>vcl_deliver<code>if</code>format_version` is set to 1.</td>
</tr>
<tr>
<td>gzip_level</td>
<td>integer</td>
<td>What level of GZIP encoding to have when dumping logs (default 0, no</td>
</tr>
<tr>
<td></td>
<td></td>
<td>compression).</td>
</tr>
<tr>
<td>message_type</td>
<td>string</td>
<td>How the message should be formatted.</td>
</tr>
<tr>
<td>classic</td>
<td>-</td>
<td>(default) RFC 3164 syslog prefix.</td>
</tr>
<tr>
<td>loggly</td>
<td>-</td>
<td>RFC 5424 structured syslog.</td>
</tr>
<tr>
<td>logplex</td>
<td>-</td>
<td>Heroku-style length prefixed syslog.</td>
</tr>
<tr>
<td>blank</td>
<td>-</td>
<td>No prefix. Useful for writing JSON and CSV.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the GCS logging endpoint. Used as a primary key for API access.</td>
</tr>
<tr>
<td>path</td>
<td>string</td>
<td>The path to upload logs to (default &quot;/&quot;).</td>
</tr>
<tr>
<td>period</td>
<td>integer</td>
<td>How frequently log files are finalized so they can be available for reading</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(in seconds, default 3600).</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding</td>
</tr>
<tr>
<td></td>
<td></td>
<td>any format_version default. Can be none or waf_debug. This field is not</td>
</tr>
<tr>
<td></td>
<td></td>
<td>required and has no default value.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint, or leave</td>
</tr>
<tr>
<td></td>
<td></td>
<td>blank to always execute.</td>
</tr>
<tr>
<td>secret_key</td>
<td>string</td>
<td>Your GCS account secret key. The private_key field in your service account</td>
</tr>
<tr>
<td></td>
<td></td>
<td>authentication JSON.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>timestamp_format</td>
<td>string</td>
<td>strftime specified timestamp formatting (default &quot;%Y-%m-%dT%H:%M:%S.000&quot;).</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was updated.</td>
</tr>
<tr>
<td>user</td>
<td>string</td>
<td>Your GCS service account email address. The client_email field in your</td>
</tr>
<tr>
<td></td>
<td></td>
<td>service account authentication JSON.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
</tbody>
</table>

Actions

GET  /service/ service_id /version/ version /logging/gcs
List all of the GCSs for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example
```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/gcs HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example
```
HTTP/1.1 200 OK
Content-Type: application/json

[{
  "bucket_name": "my_log_bucket",
  "created_at": "2016-05-17T20:23:15+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t "\t" %r "\t" %>s %b",
  "format_version": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "my_gcs_logging",
  "path": null,
  "period": "3600",
  "placement": null,
  "response_condition": "",
  "secret_key": "-----BEGIN PRIVATE KEY-----
...
-----END PRIVATE KEY-----",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-05-17T20:23:15+00:00",
  "user": null,
  "version": "1"
}]
```
**POST** /service/service_id/version/version/logging/gcs

Create GCS Logging for a particular service and version

Authentication

API token of a user with at least **Engineer permissions**.

**Request Example**

```
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/gcs HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=my_gcs_logging&bucket_name=my_log_bucket&access_key=1447182772-deadbeef479374nphvhodh4nlp@developer.gserviceaccount.com&secret_key=-----BEGIN PRIVATE KEY-----
...
-----END PRIVATE KEY-----
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "bucket_name": "my_log_bucket",
  "created_at": "2016-05-17T23:15:00+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "my_gcs_logging",
  "path": null,
  "period": "3600",
  "placement": null,
  "response_condition": "",
  "secret_key": "-----BEGIN PRIVATE KEY-----\n...
-----END PRIVATE KEY-----",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.%f",
  "updated_at": "2016-05-17T23:15+00:00",
  "user": null,
  "version": "1"
}
```

**PUT** /service/service_id/version/version/logging/gcs/old_name

Update the GCS for a particular service and version

Authentication

API token of a user with at least **Engineer permissions**.

**Parameters**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the GCS object (used to select the correct GCS object if the name has been changed).</td>
</tr>
</tbody>
</table>

**Request Example**

```
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/gcs/my_gcs_logging HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=my_new_gcs_name
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json
```
DELETE /service/service_id/version/logging/gcs/name

Delete the GCS Logging for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example
DELE

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/gcs/my_gcs_logging HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

Honeycomb Logging
Fastly will upload log messages to Honeycomb.io in the format specified in the Honeycomb object.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the Honeycomb logging endpoint. Used as a primary key for API access.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting. Your log must produce valid JSON that Honeycomb can ingest.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 2 (the default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by default in vcl_log if format_version is set to 2 and in vcl_deliver if format_version is set to 1.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any format_version default. Can be none or waf_debug. This field is not required and has no default value.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was created.</td>
</tr>
</tbody>
</table>
**Field** | **Type** | **Description**
--- | --- | ---
updated_at | string | Time-stamp (GMT) when the endpoint was updated.
deleted_at | string | Time-stamp (GMT) when the endpoint was deleted.
response_condition | string | The name of an existing condition in the configured endpoint, or leave blank to always execute.
dataset | string | The Honeycomb Dataset you want to log to.
token | string | The Write Key from the Account page of your Honeycomb account.

**Actions**

GET /service/service_id/version/logging/honeycomb

List all of the Honeycomb logging objects for a particular service and version.

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/honeycomb HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[
  {
    "placement": null,
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "version": "1",
    "name": "my_honeycomb_log",
    "format": "\n    \"timestamp\":\"%{begin:Y-%m-%dT%H:%M:%S}t\",
    \"time_elapsed\":\%(time.elapsed.usec)V,
    \"is_tls\":\"%{if(req.is_ssl, \"true\", \"false\")V,\n    \"client_ip\":\"%{req.http.Fastly-Client-IP}V,\n    \"geo_city\":\"%{client.geo.city}V,\n    \"geo_country_code\":\"%{client.geo.country_code}V,\n    \"request\":\"%{req.request}V,\n    \"host\":\"%{req.http.Fastly-Orig-Host}V,\n    \"url\":\"%{json.escape(req.url)}V,\n    \"request_referer\":\"%{json.escape(req.http.Referer)}V,\n    \"request_user_agent\":\"%{json.escape(req.http.User-Agent)}V,\n    \"request_accept_language\":\"%{json.escape(req.http.Accept-Language)}V,\n    \"request_accept_charset\":\"%{request.accept_language}V,\n    \"cache_status\":\"%{regsub(fastly_info.state, \"^HIT-(SYNTH|HITPASS|HIT|MISS|PASS|ERROR|PIPE).*\", \"\\2\\3\") }V,\n    \"format_version\": \"2\",\n    \"dataset\": \"fastly_honeycomb\",\n    \"token\": \"6f5902ac237024bdd0c176cb93063dc4\",\n    \"response_condition\": \"",\n    \"created_at\": \"2016-05-17T20:23:15+00:00\",\n    \"updated_at\": \"2016-05-17T20:23:15+00:00\",\n    \"deleted_at\": null
  }
]
```

GET /service/service_id/version/logging/honeycomb/name

Get the details of a Honeycomb logging object for a particular service and version.

**Authentication**

API token of a user with at least Engineer permissions.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the Honeycomb rule.</td>
</tr>
</tbody>
</table>

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/honeycomb/my_honeycomb_log HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```
API Documentation

**POST /service/service_id/version/logging/honeycomb**

Create a Honeycomb logging object for a particular service and version.

**Authentication**

API token of a user with at least [Engineer permissions](#).

**Request Example**

```
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/honeycomb HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=my_honeycomb_log&dataset=fastly_honeycomb&token=6f5902ac237024bdd0c176cb93063dc4
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "placement": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "name": "my_honeycomb_log",
  "format": {
    "timestamp": ";%{begin:%Y-%m-%dT%H:%M:%S}V,\n    "time_elapsed":%;(time.elapsed.usec)V,\n    "is_tls":%;(if(req.is_ssl, "true", "false"))V,\n    "client_ip":%;(req.http.Fastly-Client-IP)V,\n    "geo_city":%;(client.geo.city)V,\n    "geo_country_code":%;(client.geo.country_code)V,\n    "geo_country":%;(client.geo.country)\n  },
  "request": {
    "host":%;(req.http.Host)\n  },
  "response": {
    "request": {}\n  },
  "created_at": "2016-05-17T20:23:15+00:00",
  "updated_at": "2016-05-17T20:23:15+00:00",
  "deleted_at": null
}
```

---

**PUT /service/service_id/version/logging/honeycomb/old_name**

Update a Honeycomb logging object for a particular service and version.

**Request Example**

```
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/honeycomb/old_name HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=my_honeycomb_log&dataset=fastly_honeycomb&token=6f5902ac237024bdd0c176cb93063dc4
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "placement": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "name": "my_honeycomb_log",
  "format": {
    "timestamp": ";%{begin:%Y-%m-%dT%H:%M:%S}V,\n    "time_elapsed":%;(time.elapsed.usec)V,\n    "is_tls":%;(if(req.is_ssl, "true", "false"))V,\n    "client_ip":%;(req.http.Fastly-Client-IP)V,\n    "geo_city":%;(client.geo.city)V,\n    "geo_country_code":%;(client.geo.country_code)V,\n    "geo_country":%;(client.geo.country)\n  },
  "request": {
    "host":%;(req.http.Host)\n  },
  "response": {
    "request": {}\n  },
  "created_at": "2016-05-17T20:23:15+00:00",
  "updated_at": "2016-05-17T20:23:15+00:00",
  "deleted_at": null
}
```
### DELETE /service/service_id/version/logging/honeycomb/name

Delete the Honeycomb logging object for a particular service and version.

**Authentication**

**API token** of a user with at least **Engineer permissions**.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the Honeycomb rule.</td>
</tr>
</tbody>
</table>

**Request Example**

```http
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/honeycomb/my_honeycomb_log

HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

name=my_new_honeycomb_name
```

**Response Example**

```http
200 OK
Content-Type: application/json

{
  "status": "ok"
}
```
HTTPS

Fastly will upload log messages to an HTTPS endpoint in the format specified in the HTTPS object. The HTTPS endpoint requires proof of domain ownership before logs can be received. Learn how to validate your domain in our HTTPS endpoint documentation.

**IMPORTANT:** This information is part of a limited availability release. For more information, see our [product and feature lifecycle](https://docs.fastly.com/lifecycle) descriptions.

### Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>The name for the HTTPS configuration. Required.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint. Leave blank to always execute.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting.</td>
</tr>
<tr>
<td>url</td>
<td>string</td>
<td>URL that log data will be sent to. Must use the <code>https</code> protocol. Required.</td>
</tr>
<tr>
<td>request_max_entries</td>
<td>integer</td>
<td>The maximum number of logs sent in one request. Defaults to no limit.</td>
</tr>
<tr>
<td>request_max_bytes</td>
<td>integer</td>
<td>The maximum number of bytes sent in one request. Defaults to no limit.</td>
</tr>
<tr>
<td>content_type</td>
<td>string</td>
<td>Content type of the header sent with the request.</td>
</tr>
<tr>
<td>header_name</td>
<td>string</td>
<td>Name of the custom header sent with the request.</td>
</tr>
<tr>
<td>header_value</td>
<td>string</td>
<td>Value of the custom header sent with the request.</td>
</tr>
<tr>
<td>method</td>
<td>string</td>
<td>HTTP method used for request. Can be POST or PUT. Defaults to POST if not specified.</td>
</tr>
<tr>
<td>json_format</td>
<td>string</td>
<td>Formats log entries as JSON. Can be either disabled 0, array of json 1, or newline delimited json 2.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any format_version default. Can be none or waf_debug. This field is not required and has no default value.</td>
</tr>
<tr>
<td>tls_ca_cert</td>
<td>string</td>
<td>A secure certificate to authenticate the server with. Must be in PEM format.</td>
</tr>
<tr>
<td>tls_client_cert</td>
<td>string</td>
<td>The client certificate used to make authenticated requests. Must be in PEM format.</td>
</tr>
<tr>
<td>tls_client_key</td>
<td>string</td>
<td>The client private key used to make authenticated requests. Must be in PEM format.</td>
</tr>
<tr>
<td>tls_hostname</td>
<td>string</td>
<td>The hostname used to verify the server’s certificate. It can either be the Common Name (CN) or a Subject Alternative Name (SAN).</td>
</tr>
<tr>
<td>message_type</td>
<td>string</td>
<td>How the message should be formatted. One of: classic - RFC 3164 syslog prefix. loggly - RFC 5424 structured syslog. logplex - Heroku-style length prefixed syslog. blank - (default) No prefix. Useful for writing JSON and CSV.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 2 (the default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2 and in <code>vcl_deliver</code> if <code>format_version</code> is set to 1.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was created.</td>
</tr>
</tbody>
</table>
### Actions

**GET** /service/*service_id*/version/*version*/logging/https

List all of the HTTPS objects for a particular service and version.

**Authentication**

**API token** of a user with at least **Engineer permissions**.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/https
HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[{
  "name": "test-https",
  "url": "https://example.com/logging/endpoint",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "request_max_entries": 0,
  "request_max_bytes": 0,
  "header_name": null,
  "method": "POST",
  "updated_at": "2020-03-05T15:25:17Z",
  "content_type": null,
  "response_condition": "",
  "tls_client_key": null,
  "message_type": "blank",
  "deleted_at": null,
  "tls_hostname": null,
  "request_max_entries": 0,
  "request_max_bytes": 0,
  "header_name": null,
  "method": "POST",
  "updated_at": "2020-03-05T15:25:17Z",
  "content_type": null,
  "response_condition": "",
  "tls_client_key": null,
  "message_type": "blank",
  "deleted_at": null,
  "tls_hostname": null,
  "request_max_entries": 0,
  "request_max_bytes": 0,
  "header_name": null,
  "method": "POST",
  "updated_at": "2020-03-05T15:25:17Z",
  "content_type": null,
  "response_condition": "",
  "tls_client_key": null,
  "message_type": "blank",
  "deleted_at": null,
  "tls_hostname": null,
  "request_max_entries": 0,
  "request_max_bytes": 0,
  "header_name": null,
  "method": "POST",
  "updated_at": "2020-03-05T15:25:17Z",
  "content_type": null,
  "response_condition": "",
  "tls_client_key": null,
  "message_type": "blank",
  "deleted_at": null,
  "tls_hostname": null,
  "request_max_entries": 0,
  "request_max_bytes": 0,
  "header_name": null,
  "method": "POST",
  "updated_at": "2020-03-05T15:25:17Z",
  "content_type": null,
  "response_condition": "",
  "tls_client_key": null,
  "message_type": "blank",
  "deleted_at": null,
  "tls_hostname": null,
  "request_max_entries": 0,
  "request_max_bytes": 0,
  "header_name": null,
  "method": "POST",
  "updated_at": "2020-03-05T15:25:17Z",
  "content_type": null,
  "response_condition": "",
  "tls_client_key": null,
  "message_type": "blank",
  "deleted_at": null,
  "tls_hostname": null,
  "request_max_entries": 0,
  "request_max_bytes": 0,
  "header_name": null,
  "method": "POST",
  "updated_at": "2020-03-05T15:25:17Z",
  "content_type": null,
  "response_condition": "",
  "tls_client_key": null,
  "message_type": "blank",
  "deleted_at": null,
  "tls_hostname": null,
  "request_max_entries": 0,
  "request_max_bytes": 0,
  "header_name": null,
  "method": "POST",
  "updated_at": "2020-03-05T15:25:17Z",
  "content_type": null,
  "response_condition": "",
  "tls_client_key": null,
  "message_type": "blank",
  "deleted_at": null,
  "tls_hostname": null,
  "request_max_entries": 0,
  "request_max_bytes": 0,
  "header_name": null,

```
POST /service/ service_id /version/ version /logging/https

Create an HTTPS object for a particular service and version.

Authentication

**API token** of a user with at least [Engineer permissions](https://docs.fastly.com/api/aio).

Request Example

```
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/https HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-https &url=https%3A%2F%2Fexample.com%2Fendpoint
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
    "name": "test-https",
    "url": "https://example.com/logging/endpoint",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "version": 1,
    "request_max_entries": 0,
    "request_max_bytes": 0,
    "header_name": null,
    "method": "POST",
    "updated_at": "2020-03-05T15:25:17Z",
    "content_type": null,
    "response_condition": "",
    "tls_client_key": null,
    "message_type": "blank",
    "deleted_at": null,
    "tls_client_cert": null,
    "header_value": null,
    "method": "POST",
    "updated_at": "2020-03-05T15:25:17Z",
    "content_type": null,
    "response_condition": "",
    "tls_client_key": null,
    "message_type": "blank",
    "deleted_at": null,
    "tls_client_cert": null,
    "header_value": null,
    "format_version": 2,
    "json_format": 0,
    "request_max_bytes": 0,
    "header_name": null,
    "method": "POST",
    "updated_at": "2020-03-05T15:25:17Z",
    "content_type": null,
    "response_condition": "",
    "tls_client_key": null,
    "message_type": "blank",
    "deleted_at": null,
    "tls_client_cert": null,
    "header_value": null,
    "format_version": 2,
    "json_format": 0,
    "request_max_bytes": 0
}
```

```
"request_max_entries": 0,
"request_max_bytes": 0,
"header_name": null,
"method": "POST",
"updated_at": "2020-03-05T15:25:17Z",
"content_type": null,
"response_condition": "",
"tls_client_key": null,
"message_type": "blank",
"deleted_at": null,
"tls_client_cert": null,
"header_value": null,
"format_version": 2,
"json_format": 0,
"request_max_bytes": 0
```
PUT /service/service_id/version/logging/https/old_name

Update the HTTPS object for a particular service and version.

**Authentication**

API token of a user with at least Engineer permissions.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the HTTPS object (used to select the correct HTTPS object if the name has been changed).</td>
</tr>
</tbody>
</table>

**Request Example**

```
PUT /service/SUIZ0isxPaozGVKXdv0eY/version/1/logging/https/test-https HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=updated-test-https
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json
```
### DELETE /service/service_id/version/logging/https/name

Delete the HTTPS object for a particular service and version.

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```cpp
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/https/test-https HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

---

### Kafka

Fastly will upload log messages periodically to the server in the format specified in the Kafka object.

**IMPORTANT:** This information is part of a limited availability release. For more information, see our [product and feature lifecycle descriptions](#).

#### Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the Kafka endpoint. Required.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The ID of the service to which the logging endpoint is attached. Required.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The version of the service to which the logging endpoint is attached. The specified version must be unlocked to allow editing. Required.</td>
</tr>
</tbody>
</table>
### Field Descriptions

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>topic</td>
<td>string</td>
<td>The Kafka topic to send logs to. Required.</td>
</tr>
<tr>
<td>brokers</td>
<td>string</td>
<td>A comma-separated list of IP addresses or hostnames of Kafka brokers. Required.</td>
</tr>
<tr>
<td>compression_codec</td>
<td>string</td>
<td>The codec used for compression of your logs. One of:</td>
</tr>
<tr>
<td>gzip</td>
<td>-</td>
<td>Use Gzip compression.</td>
</tr>
<tr>
<td>snappy</td>
<td>-</td>
<td>Use Snappy compression.</td>
</tr>
<tr>
<td>lz4</td>
<td>-</td>
<td>Use LZ4 compression.</td>
</tr>
<tr>
<td>required_acks</td>
<td>string</td>
<td>The Number of acknowledgements a leader must receive before a write is considered successful. One of:</td>
</tr>
<tr>
<td>1</td>
<td>-</td>
<td>(default) One server needs to respond.</td>
</tr>
<tr>
<td>0</td>
<td>-</td>
<td>No servers need to respond.</td>
</tr>
<tr>
<td>-1</td>
<td>-</td>
<td>Wait for all in-sync replicas to respond.</td>
</tr>
<tr>
<td>use_tls</td>
<td>string</td>
<td>Whether to use TLS for the connection to the Kafka service.</td>
</tr>
<tr>
<td>0</td>
<td>-</td>
<td>Do not use TLS.</td>
</tr>
<tr>
<td>1</td>
<td>-</td>
<td>Use TLS.</td>
</tr>
<tr>
<td>tls_ca_cert</td>
<td>string</td>
<td>Certificate to use to authenticate the server. Must be in PEM format.</td>
</tr>
<tr>
<td>tls_client_cert</td>
<td>string</td>
<td>The client certificate used to make authenticated requests. Must be in PEM format.</td>
</tr>
<tr>
<td>tls_client_key</td>
<td>string</td>
<td>The client private key used to make authenticated requests. Must be in PEM format.</td>
</tr>
<tr>
<td>tls_hostname</td>
<td>string</td>
<td>The hostname used to verify the server’s certificate. It can either be the Common Name or a Subject Alternative Name (SAN).</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>A Fastly log format string.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>Which format scheme to use to interpret the value of format. Can be either 1 or 2. Defaults to 2. Changing this will affect the default value of placement.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed. If not set, endpoints with format_version of 2 are placed in vcl_log and those with format_version of 1 are placed in vcl_deliver. One of:</td>
</tr>
<tr>
<td>none</td>
<td>-</td>
<td>Do not render a log statement into VCL. Use this option if you intend to write a log statement manually.</td>
</tr>
<tr>
<td>waf_debug</td>
<td>-</td>
<td>Put the log statement in the waf_debug_log subroutine, which allows for logging of WAF-specific variables.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of a condition object which must be satisfied to trigger logging for a request.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (UTC) when the endpoint was created.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (UTC) when the endpoint was last updated.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (UTC) when the endpoint was deleted.</td>
</tr>
</tbody>
</table>

### Actions

**GET** /service/service_id/version/logging/kafka

List all of the Kafka logging endpoints for a particular service and version.

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

https://docs.fastly.com/api/aio
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/kafka HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

[]

GET /service/service_id/version/logging/kafka/name

Get the Kafka logging endpoint for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the Kafka rule.</td>
</tr>
</tbody>
</table>

Request Example

GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/kafka/test-kafka HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

HTTP/1.1 200 OK
Content-Type: application/json
POST /service/service_id/version/logging/kafka

Create a Kafka logging endpoint for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Request Example

POST /service/SU1Z0isxPaozGVKv0eY/version/1/logging/kafka HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-kafka&topic=test-topic&brokers=localhost:1234

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
  "name": "test-kafka",
  "topic": "test-topic",
  "brokers": "localhost:1234",
  "required_acks": "1",
  "service_id": "SU1Z0isxPaozGVKv0eY",
  "version": "1",
  "tls_hostname": null,
  "compression_codec": null,
  "tls_client_key": null,
  "format": "%h %l %u %t "%r" %>s %b",
  "response_condition": "",
  "tls_ca_cert": null,
  "placement": null,
  "version": "1"
}

PUT /service/service_id/version/logging/kafka/name

Update the Kafka logging endpoint for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Parameters
Delete the Kafka logging endpoint for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the Kafka rule.</td>
</tr>
</tbody>
</table>

Request Example

DELETE /service/service_id/version/logging/kafka/name

Logshuttle

Fastly will upload log messages to the log-shuttle bucket in the format specified in the logshuttle object.
Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the Log Shuttle rule.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding</td>
</tr>
<tr>
<td></td>
<td></td>
<td>any format_version default.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint, or leave</td>
</tr>
<tr>
<td></td>
<td></td>
<td>blank to always execute.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>token</td>
<td>string</td>
<td>The data authentication token associated with this endpoint.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was updated.</td>
</tr>
<tr>
<td>url</td>
<td>string</td>
<td>Your Log Shuttle endpoint url.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
</tbody>
</table>

Actions

GET /service/servic_id/version/logging/logshuttle

List all of the logshuttles for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/logshuttle HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json
```

```json
[
  {
    "created_at": "2016-06-02T22:31:06+00:00",
    "deleted_at": null,
    "format": "%h %l %u %t "%r" %>s %b",
    "format_version": "2",
    "name": "test-logshuttle",
    "placement": null,
    "response_condition": ",",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "token": null,
    "updated_at": "2016-06-02T22:31:06+00:00",
    "url": "https://east.logplex.io/logs",
    "version": "1"
  }
]
```
Get the logshuttle for a particular service and version

Authentication

**API token** of a user with at least **Engineer permissions**.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/logshuttle/test-logshuttle HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "created_at": "2016-06-02T22:31:06+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "2",
  "name": "test-logshuttle",
  "placement": null,
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "token": null,
  "updated_at": "2016-06-02T22:31:06+00:00",
  "url": "https://east.logplex.io/logs",
  "version": "1"
}
```

**POST /service/service_id/version/logging/logshuttle**

Create a logshuttle for a particular service and version

Authentication

**API token** of a user with at least **Engineer permissions**.

**Request Example**

```
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/logshuttle HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-logshuttle 
&app_name=t.abc123 
&url=https%3A%2F%2Feast.logplex.io%2Flogs
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "created_at": "2016-06-02T22:31:06+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "2",
  "name": "test-logshuttle",
  "placement": null,
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "token": null,
  "updated_at": "2016-06-02T22:31:06+00:00",
  "url": "https://east.logplex.io/logs",
  "version": "1"
}
```

**PUT /service/service_id/version/logging/logshuttle/old_name**

Update the logshuttle for a particular service and version

Authentication

**API token** of a user with at least **Engineer permissions**.
**Delete the logshuttle for a particular service and version**

**Authentication**
API token of a user with at least **Engineer permissions**.

**Request Example**
```
DELETE /service/SU120kxPaooGVKXdv0eY/version/1/logging/logshuttle/test-logshuttle
HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**
```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

**Logentries**
Fastly will stream log messages to the Logentries account in the format specified in the Logentries object.

**Fields**

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>---------------</td>
<td>----------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 2 (the default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2 and in <code>vcl_deliver</code> if <code>format_version</code> is set to 1.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the logentries rule.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any format_version default. Can be <code>none</code> or <code>waf_debug</code>. This field is not required and has no default value.</td>
</tr>
<tr>
<td>port</td>
<td>integer</td>
<td>The port number.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint, or leave blank to always execute.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>token</td>
<td>string</td>
<td>Use token based authentication (<a href="https://logentries.com/doc/input-token/">https://logentries.com/doc/input-token/</a>).</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was updated.</td>
</tr>
<tr>
<td>use_tls</td>
<td>string</td>
<td>Whether to use TLS for secure logging. Can be either &quot;0&quot; or &quot;1&quot;.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
</tbody>
</table>

**Actions**

**GET /service/service_id/version/version/logging/logentries**

List all of the Logentries for a particular service and version

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/logentries HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[ {
    "created_at": "2016-05-18T18:23:29+00:00",
    "deleted_at": null,
    "format": "%h %l %u %t "%r" %>s %b",
    "format_version": "2",
    "name": "test-logentries",
    "placement": null,
    "port": "5140",
    "response_condition": ",",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "token": "790545ca-a792-4166-be69-970d1308512d",
    "updated_at": "2016-05-18T18:23:29+00:00",
    "use_tls": "0",
    "version": "1"
}]
```

**GET /service/service_id/version/version/logging/logentries/name**

Get the Logentry for a particular service and version
Authentication

**API token** of a user with at least [Engineer permissions](https://docs.fastly.com/api/aio).

## Request Example

```plaintext
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/logentries HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

name=test-logentries&port=5140&token=790545ca-a792-4166-be69-970d1308512d
```

### Response Example

```json
HTTP/1.1 200 OK
Content-Type: application/json

{
  "created_at": "2016-05-18T18:23:29+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "2",
  "name": "test-logentries",
  "placement": null,
  "port": "5140",
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "token": "790545ca-a792-4166-be69-970d1308512d",
  "updated_at": "2016-05-18T18:23:29+00:00",
  "use_tls": "0",
  "version": "1"
}
```

## POST `/service/ service_id /version/ version /logging/logentries`

Create a Logentry for a particular service and version

Authentication

**API token** of a user with at least [Engineer permissions](https://docs.fastly.com/api/aio).

### Request Example

```plaintext
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/logentries HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-logentries&port=5140&token=790545ca-a792-4166-be69-970d1308512d
```

### Response Example

```json
HTTP/1.1 200 OK
Content-Type: application/json

{
  "created_at": "2016-05-18T18:23:29+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "2",
  "name": "test-logentries",
  "placement": null,
  "port": "5140",
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "token": "790545ca-a792-4166-be69-970d1308512d",
  "updated_at": "2016-05-18T18:23:29+00:00",
  "use_tls": "0",
  "version": "1"
}
```

## PUT `/service/ service_id /version/ version /logging/logentries/ old_name`

Update the Logentry for a particular service and version

Authentication

**API token** of a user with at least [Engineer permissions](https://docs.fastly.com/api/aio).
Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the Logentry object (used to select the correct Logentry object if the name has been changed).</td>
</tr>
</tbody>
</table>

Request Example

```plaintext
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/logentries/test-logentries HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: text/plain

name=updated-test-logentries
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

DELETE /service/service_id /version/ version /logging/logentries/ name

Delete the Logentry for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/logentries/test-logentries HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

name=updated-test-logentries
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

Loggly

Fastly will stream log messages to the Loggly account in the format specified in the Loggly logging object.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the Loggly rule.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>---------------</td>
<td>--------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 2 (the default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2 and in <code>vcl_deliver</code> if <code>format_version</code> is set to 1.</td>
</tr>
<tr>
<td>token</td>
<td>string</td>
<td>The token to use for authentication (<a href="https://www.loggly.com/docs/customer-token-authentication-token/">https://www.loggly.com/docs/customer-token-authentication-token/</a>).</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint, or leave blank to always execute.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any format_version default. Can be <code>none</code> or <code>waf_debug</code>. This field is not required and has no default value.</td>
</tr>
</tbody>
</table>

**Actions**

**GET /service/service_id/version/logging/loggly**

List all Loggly logging objects for a particular service and version.

Authentication

**API token** of a user with at least **Engineer permissions**.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/loggly HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[
  {
    "name": "test-loggly",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "version": "1",
    "response_condition": "",
    "format": "%h %l %u %t ",%r" %>s %b",
    "format_version": "2",
    "token": "deadbeef",
    "placement": "null"
  }
]
```

**GET /service/service_id/version/logging/loggly/name**

Get the Loggly logging object for a particular service and version.

Authentication

**API token** of a user with at least **Engineer permissions**.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the Loggly logging object.</td>
</tr>
</tbody>
</table>

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1logging/loggly/test-loggly HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json
```
POST /service/service_id/version/logging/loggly

Create a Loggly logging object for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Request Example
```
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/loggly HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-loggly&token=deadbeef
```

Response Example
```
HTTP/1.1 200 OK
Content-Type: application/json

{  
  "name": "test-loggly",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "response_condition": "",
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "2",
  "token": "deadbeef",
  "placement": null
}
```

PUT /service/service_id/version/logging/loggly/old_name

Update the Loggly logging object for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Request Example
```
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/loggly/test-loggly HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=updated-loggly
```

Response Example
```
HTTP/1.1 200 OK
Content-Type: application/json

{  
  "name": "test-loggly",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "response_condition": "",
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "2",
  "token": "deadbeef",
  "placement": null
}
```
DELETE /service/service_id/version/logging/loggly/name

Delete the Loggly logging object for a particular service and version.

Authentication

API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the Loggly logging object.</td>
</tr>
</tbody>
</table>

Request Example

DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/loggly/test-loggly HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}

Heroku

Fastly will stream log messages to the Heroku account in the format specified in the Heroku object.

⚠️ IMPORTANT: This information is part of a limited availability release. For more information, see our product and feature lifecycle descriptions.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the heroku rule.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 2 (the default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by default in vcl_log if format_version is set to 2 and in vcl_deliver if format_version is set to 1.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any format_version default. Can be none or waf_debug. This field is not required and has no default value.</td>
</tr>
<tr>
<td>token</td>
<td>string</td>
<td>The token to use for authentication (<a href="https://devcenter.heroku.com/articles/add-on-partner-log-integration">https://devcenter.heroku.com/articles/add-on-partner-log-integration</a>).</td>
</tr>
<tr>
<td>url</td>
<td>string</td>
<td>The url to stream logs to.</td>
</tr>
</tbody>
</table>
### Actions

**GET /service/service_id/version/logging/heroku/ name**

Get the Heroku for a particular service and version

**Authentication**

API token of a user with at least Engineer permissions.

#### Request Example

```
GET /service/SU1Z0isxPaozGVXkdvoEY/version/1/logging/heroku/test-heroku HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

#### Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "name": "test-heroku",
  "service_id": "SU1Z0isxPaozGVXkdvoEY",
  "version": "1",
  "response_condition": "",
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "2",
  "placement": null,
  "token": "deadbeef",
  "url": "https://1.us.logplex.io/logs"
}
```

**GET /service/service_id/version/logging/heroku**

List all of the Herokus for a particular service and version

**Authentication**

API token of a user with at least Engineer permissions.

#### Request Example

```
GET /service/SU1Z0isxPaozGVXkdvoEY/version/1/logging/heroku HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

#### Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

[
{
  "name": "test-heroku",
  "service_id": "SU1Z0isxPaozGVXkdvoEY",
  "version": "1",
  "response_condition": "",
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "2",
  "placement": null,
  "token": "deadbeef",
  "url": "https://1.us.logplex.io/logs"
}
]
```

**POST /service/service_id/version/logging/heroku**

Create a Heroku for a particular service and version

#### Request Example

```
POST /service/service_id/version/logging/heroku HTTP/1.1
Content-Type: application/json

{"
  "name": "test-heroku",
  "service_id": "SU1Z0isxPaozGVXkdvoEY",
  "version": "1",
  "response_condition": "",
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "2",
  "placement": null,
  "token": "deadbeef",
  "url": "https://1.us.logplex.io/logs"
}
```

### Table

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint, or leave blank to always execute.</td>
</tr>
</tbody>
</table>
Authentication

**API token** of a user with at least **Engineer permissions**.

### Request Example

```
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/heroku HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-heroku&token=deadbeef&url=https://1.us.logplex.io/logs
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "name": "test-heroku",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "response_condition": "",
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "2",
  "placement": null,
  "token": "deadbeef",
  "url": "https://1.us.logplex.io/logs"
}
```

```
PUT /service/service_id/version/version/logging/heroku/old_name

Update the Heroku for a particular service and version

Authentication

**API token** of a user with at least **Engineer permissions**.

### Request Example

```
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/heroku/test-heroku HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=updated-heroku
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "name": "updated-heroku",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "response_condition": "",
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "2",
  "placement": null,
  "token": "deadbeef",
  "url": "https://1.us.logplex.io/logs"
}
```

```
DELETE /service/service_id/version/logging/heroku/name

Delete the Heroku for a particular service and version

Authentication

**API token** of a user with at least **Engineer permissions**.

### Request Example

```
**New Relic Logs**

Fastly will upload log messages to New Relic Logs in the format specified in the New Relic configuration object.

⚠️ **IMPORTANT:** This information is part of a limited availability release. For more information, see our product and feature lifecycle descriptions.

### Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the New Relic Logs logging endpoint. Required.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting. Your log must produce valid JSON that New Relic Logs can ingest. Default is: {&quot;time_elapsed&quot;:{time.elapsed.usec}V, &quot;is_tls&quot;:{if(req.is.ssl, &quot;true&quot;, &quot;false&quot;)}V, &quot;client_ip&quot;:{req.http.Fastly-Client-IP}V, &quot;geo_city&quot;:{client.geo.city}V, &quot;geo_country_code&quot;:{client.geo.country_code}V, &quot;request&quot;:{req.request}V, &quot;url&quot;:{json.escape(req.url)}V, &quot;request_referer&quot;:{json.escape(req.http.Referer)}V, &quot;request_user_agent&quot;:{json.escape(req.http.User-Agent)}V, &quot;request_accept_language&quot;:{json.escape(req.http.Accept-Language)}V, &quot;cache_status&quot;:{regsub(fastly_info.state, &quot;^(HIT-(SYNTH)||HITPASS||HIT||MISS||ERROR||PIPE)).*&quot;, &quot;\2\3&quot; )}V}.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 2 (the default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2 and in <code>vcl_deliver</code> if <code>format_version</code> is set to 1.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any <code>format_version</code> default. Can be <code>none</code> or <code>waf_debug</code>. This field is not required and has no default value.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was created.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was updated.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>When to execute the New Relic Logs logging rule. If empty, always execute.</td>
</tr>
<tr>
<td>token</td>
<td>string</td>
<td>The Insert API key from the Account page of your New Relic account. Required.</td>
</tr>
</tbody>
</table>

### Actions

**GET** `/service/service_id/version/logging/newrelic`

List all of the New Relic Logs logging objects for a particular service and version.

---

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/newrelic HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
  "placement": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "name": "my_newrelic_log",
  "format": "\"time_elapsed\":%{time.elapsed.usec}V,
          \"is_tls\":%{if(req.is_ssl, \"true\", \"false\")}V,
          \"client_ip\":%{req.http.Fastly-Client-IP}V,
          \"geo_city\":%{client.geo.city}V,
          \"geo_country_code\":%{client.geo.country_code}V,
          \"host\":%{req.http.Fastly-Orig-Host}V,
          \"url\":%{json.escape(req.url)}V,
          \"request_referer\":%{json.escape(req.http.Referer)}V,
          \"request_user_agent\":%{json.escape(req.http.User-Agent)}V,
          \"request_accept_language\":%{json.escape(req.http.Accept-Language)}V,
          \"cache_status\":%{regsub(fastly_info.state, \"^(HIT-(SYNTH)|(HITPASS|HIT|MISS|PASS|ERROR|PIPE)).*\" , \"2\")}V,
          \"format_version\": "2",
          \"token\": "6f5902ac237024bdd0c176cb93063dc4",
          \"response_condition\": "",
          \"created_at\": "2016-05-17T20:23:15+00:00",
          \"updated_at\": "2016-05-17T20:23:15+00:00",
          \"deleted_at\": null
}
POST /service/service_id/version/logging/newrelic

Create a New Relic Logs logging object for a particular service and version.

Authentication

**API token** of a user with at least Engineer permissions.

Request Example

```plaintext
POST /service/SU120issPaozGVKxdv0Ey/version/1/logging/newrelic HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=my_newrelic_log&token=6f5902ac237024bdd0c176cb93063dc4
```

▲ Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "placement": null,
  "service_id": "SU120issPaozGVKxdv0Ey",
  "version": "1",
  "name": "my_newrelic_log",
  "format": "{"time_elapsed":%{time.elapsed.usec}, "is_tls":%{if(req.is_ssl, "true", "false")}, "client_ip":%{req.http.Fastly-Client-IP}, "geo_city":%{client.geo.city}, "geo_country_code":%{client.geo.country_code}, "request":%{req.request}, "host":%{req.http.Fastly-Orig-Host}, "url":%{json.escape(req.url)}, "request_referer":%{json.escape(req.http.Referer)}, "request_user_agent":%{json.escape(req.http.User-Agent)}, "request_accept_language":%{json.escape(req.http.Accept-Language)}, "cache_status":%{regsub(fastly_info.state, "^\(\(\(HYT-(SYNTH)|(HYTPASS|HYT|MISS|PASS|ERROR|PIPE)\)\)\", "\2\3")}, "deleted_at": null
}
```

PUT /service/service_id/version/logging/newrelic/old_name

Update a New Relic Logs logging object for a particular service and version.

Authentication

**API token** of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
</table>

https://docs.fastly.com/api/aio
Delete the New Relic Logs logging object for a particular service and version.

**Authentication**

API token of a user with at least Engineer permissions.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the New Relic Logs rule.</td>
</tr>
</tbody>
</table>

**Request Example**

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/newrelic/my_newrelic_log HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

name=my_new_newrelic_name
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

---

Openstack

Fastly will upload log messages to the OpenStack bucket in the format specified in the openstack object.
## Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>access_key</td>
<td>string</td>
<td>Your OpenStack account access key.</td>
</tr>
<tr>
<td>bucket_name</td>
<td>string</td>
<td>The name of your OpenStack container.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Can be either 2 (the default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2 and in <code>vcl_deliver</code> if <code>format_version</code> is set to 1.</td>
</tr>
<tr>
<td>gzip_level</td>
<td>integer</td>
<td>What level of GZIP encoding to have when dumping logs (default 0, no compression).</td>
</tr>
<tr>
<td>message_type</td>
<td>string</td>
<td>How the message should be formatted One of:</td>
</tr>
<tr>
<td>classic</td>
<td>-</td>
<td>(default) RFC 3164 syslog prefix.</td>
</tr>
<tr>
<td>loggly</td>
<td>-</td>
<td>RFC 5424 structured syslog.</td>
</tr>
<tr>
<td>logplex</td>
<td>-</td>
<td>Heroku-style length prefixed syslog.</td>
</tr>
<tr>
<td>blank</td>
<td>-</td>
<td>No prefix. Useful for writing JSON and CSV.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the OpenStack rule.</td>
</tr>
<tr>
<td>path</td>
<td>string</td>
<td>The path to upload logs to.</td>
</tr>
<tr>
<td>period</td>
<td>integer</td>
<td>How frequently log files are finalized so they can be available for reading (in seconds, default 3600).</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any format_version default. Can be <code>none</code> or <code>waf_debug</code>. This field is not required and has no default value.</td>
</tr>
<tr>
<td>public_key</td>
<td>string</td>
<td>A PGP public key that Fastly will use to encrypt your log files before writing them to disk.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint, or leave blank to always execute.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>timestamp_format</td>
<td>string</td>
<td>strftime specified timestamp formatting (default &quot;%Y-%m-%dT%H:%M:%S.%000&quot;).</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was updated.</td>
</tr>
<tr>
<td>url</td>
<td>string</td>
<td>Your OpenStack auth url.</td>
</tr>
<tr>
<td>user</td>
<td>string</td>
<td>The username for your OpenStack account.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
</tbody>
</table>

## Actions

**GET** /service/ **service_id** /version/ **version** /logging/openstack

List all of the openstacks for a particular service and version

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```
GET /service/SU1Z0jsxPaozGVEKdv0eY/version/1/logging/openstack HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```
GET `/service/service_id/version/logging/openstack/name`

Get the openstack for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example
```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/openstack/test-openstack HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example
```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "access_key": "AKIAIOSFODNN7EXAMPLE",
  "bucket_name": "my_corporate_bucket",
  "created_at": "2016-06-03T21:33:16+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t ""%r"" %>s %b",
  "format_version": "2",
  "gzip_level": "0",
  "message_type": "classic",
  "name": "test-openstack",
  "path": ",",
  "period": "3600",
  "placement": null,
  "public_key": null,
  "response_condition": """,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-06-03T21:37:21+00:00",
  "url": "https://auth.storage.memset.com/v1.0",
  "user": "Openstack Username",
  "version": "1"
}
```

POST `/service/service_id/version/logging/openstack`

Create an openstack for a particular service and version
Authentication

**API token** of a user with at least **Engineer permissions**.

**Request Example**

```plaintext
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/openstack HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-openstack
&bucket_name=my_corporate_bucket
&access_key=AKIAIOSFODNN7EXAMPLE
&secret_key=wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "access_key": "AKIAIOSFODNN7EXAMPLE",
  "bucket_name": "my_corporate_bucket",
  "created_at": "2016-06-03T21:33:16+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "2",
  "gzip_level": "0",
  "message_type": "classic",
  "name": "test-openstack",
  "path": ",",
  "period": "3600",
  "placement": null,
  "public_key": null,
  "response_condition": ",",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-06-03T21:37:21+00:00",
  "url": "https://auth.storage.memset.com/v1.0",
  "user": "Openstack Username",
  "version": "1"
}
```

**PUT** /service/service_id/version/version/logging/openstack/old_name

Update the openstack for a particular service and version

Authentication

**API token** of a user with at least **Engineer permissions**.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the openstack object (used to select the correct openstack object if the name has been changed).</td>
</tr>
</tbody>
</table>

**Request Example**

```plaintext
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/openstack/test-openstack HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=updated-test-openstack
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

name=updated-test-openstack
```
DELETE /service/service_id/version/logging/openstack/name

Delete the openstack for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/openstack/test-openstack
HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
    "status": "ok"
}
```

Papertrail

Fastly will stream log messages to the Papertrail account in the format specified in the Papertrail object.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>address</td>
<td>string</td>
<td>A hostname or IPv4 address.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 2 (the default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2 and in <code>vcl_deliver</code> if <code>format_version</code> is set to 1.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the papertrail rule.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any <code>format_version</code> default. Can be <code>none</code> or <code>waf_debug</code>. This field is not required and has no default value.</td>
</tr>
</tbody>
</table>
### Actions

**GET /service/*service_id*/version/*version*/logging/papertrail**

List all of the Papertrails for a particular service and version

**Authentication**

API token of a user with at least **Engineer permissions**.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/papertrail HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[{
   "address": "example.com",
   "created_at": "2016-05-18T18:51:50+00:00",
   "deleted_at": null,
   "format": "\%h \%l \%u \%t \"\"\%r\"\"\%>s \%b",
   "format_version": "2",
   "name": "test-papertrail",
   "placement": null,
   "port": "5140",
   "response_condition": ",",
   "service_id": "SU1Z0isxPaozGVKXdv0eY",
   "updated_at": "2016-05-18T18:51:50+00:00",
   "version": "1"
}]
```

**GET /service/*service_id*/version/*version*/logging/papertrail/*name**

Get the Papertrail for a particular service and version

**Authentication**

API token of a user with at least **Engineer permissions**.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/papertrail/test-papertrail HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

[{
   "address": "example.com",
   "created_at": "2016-05-18T18:51:50+00:00",
   "deleted_at": null,
   "format": "\%h \%l \%u \%t \"\"\%r\"\"\%>s \%b",
   "format_version": "2",
   "name": "test-papertrail",
   "placement": null,
   "port": "5140",
   "response_condition": ",",
   "service_id": "SU1Z0isxPaozGVKXdv0eY",
   "updated_at": "2016-05-18T18:51:50+00:00",
   "version": "1"
}]
```
POST /service/service_id/version/logging/papertrail

Create a Papertrail for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example
```
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/papertrail
HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-papertrail&address=example.com
```

Response Example
```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "address": "example.com",
  "created_at": "2016-05-18T18:51:50+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "2",
  "name": "test-papertrail",
  "placement": null,
  "port": "5140",
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "updated_at": "2016-05-18T18:51:50+00:00",
  "version": "1"
}
```

PUT /service/service_id/version/logging/papertrail/old_name

Update the Papertrail for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the Papertrail object (used to select the correct Papertrail object if the name has been changed).</td>
</tr>
</tbody>
</table>

Request Example
```
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/papertrail/test-papertrail
HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=updated-test-papertrail
```
DELETE /service/service_id/version/logging/papertrail/name

Delete the Papertrail for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/papertrail/test-papertrail HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Scalyr
Fastly will stream log messages to the Scalyr account in the format specified in the Scalyr object.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the scalyr rule.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 2 (the default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by default in vcl_log if format_version is set to 2 and in vcl_deliver if format_version is set to 1.</td>
</tr>
<tr>
<td>token</td>
<td>string</td>
<td>The token to use for authentication (<a href="https://www.scalyr.com/keys">https://www.scalyr.com/keys</a>).</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint, or leave blank to always execute.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any format_version default. Can be none or waf_debug. This field is not required and has no default value.</td>
</tr>
</tbody>
</table>

Actions
GET /service/service_id/version/logging/scalyr

Get the Scalyr for a particular service and version

Authentication
**API token** of a user with at least **Engineer permissions**.

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/scalyr HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "name": "test-scalyr",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "response_condition": "",
  "placement": null,
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "2",
  "token": "deadbeef"
}
```

GET /service/service_id/version/logging/scalyr

List all of the Scalyrs for a particular service and version

Authentication
**API token** of a user with at least **Engineer permissions**.

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/scalyr HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

[
  {
    "name": "test-scalyr",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "version": "1",
    "response_condition": "",
    "placement": null,
    "format": "%h %l %u %t "%r" %>s %b",
    "format_version": "2",
    "token": "deadbeef"
  }
]
```

POST /service/service_id/version/logging/scalyr

Create a Scalyr for a particular service and version

Authentication
**API token** of a user with at least **Engineer permissions**.

Request Example

```
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/scalyr HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json
```

---

https://docs.fastly.com/api/aio
PUT /service/service_id/version/logging/scalyr/old_name

Update the Scalyr for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example

PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/scalyr/test-scalyr HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json
name=updated-scalyr

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
  "name": "updated-scalyr",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "response_condition": "",
  "placement": null,
  "format": "%h %l %u %t \"%r\" %s %b",
  "format_version": "2",
  "token": "deadbeef"
}

DELETE /service/service_id/version/logging/scalyr/name

Delete the Scalyr for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example

DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/scalyr/test-scalyr HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{  "status": "ok"  }
**SFTP**

Fastly will upload log messages periodically to the server in the format specified in the SFTP object.

### Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>address</td>
<td>string</td>
<td>The hostname or IPv4 address.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 2 (the default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2 and in <code>vcl_deliver</code> if <code>format_version</code> is set to 1.</td>
</tr>
<tr>
<td>gzip_level</td>
<td>integer</td>
<td>What level of GZIP encoding to have when dumping logs (default 0, no compression).</td>
</tr>
<tr>
<td>message_type</td>
<td>string</td>
<td>How the message should be formatted. One of:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>classic - (default) RFC 3164 syslog prefix.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>loggly - RFC 5424 structured syslog.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>logplex - Heroku-style length prefixed syslog.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>blank - No prefix. Useful for writing JSON and CSV.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the SFTP endpoint.</td>
</tr>
<tr>
<td>password</td>
<td>string</td>
<td>The password for the server. If both password and secret_key are passed, secret_key will be used in preference.</td>
</tr>
<tr>
<td>path</td>
<td>string</td>
<td>The path to upload logs to. The directory must exist on the SFTP server before logs can be saved to it</td>
</tr>
<tr>
<td>period</td>
<td>integer</td>
<td>How frequently log files are finalized so they can be available for reading (in seconds, default 3600).</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any format_version default. Can be <code>none</code> or <code>waf_debug</code>. This field is not required and has no default value.</td>
</tr>
<tr>
<td>port</td>
<td>integer</td>
<td>The port number.</td>
</tr>
<tr>
<td>public_key</td>
<td>string</td>
<td>A PGP public key that Fastly will use to encrypt your log files before writing them to disk.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint, or leave blank to always execute.</td>
</tr>
<tr>
<td>secret_key</td>
<td>string</td>
<td>The SSH private key for the server. If both password and secret_key are passed, secret_key will be used in preference.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>ssh_known_hosts</td>
<td>string</td>
<td>A list of host keys for all hosts we can connect to over SFTP.</td>
</tr>
<tr>
<td>timestamp_format</td>
<td>string</td>
<td>strftime specified timestamp formatting (default &quot;%Y-%m-%dT%H:%M:%S.000&quot;).</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was updated.</td>
</tr>
<tr>
<td>user</td>
<td>string</td>
<td>The username for the server.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
</tbody>
</table>

**Actions**
GET /service/service_id/version/logging/sftp

List all of the SFTPs for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example
```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/sftp HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example
```
HTTP/1.1 200 OK
Content-Type: application/json

[  
  {  
    "address": "example.com",  
    "created_at": "2019-02-25T23:39:09Z",  
    "deleted_at": null,  
    "format": "%h %l %u %t \"%r\" %>s %b",  
    "format_version": "2",  
    "gzip_level": 0,  
    "message_type": "classic",  
    "name": "test-sftp",  
    "password": "REDACTED",  
    "path": "/",  
    "period": "3600",  
    "placement": null,  
    "port": "22",  
    "public_key": null,  
    "response_condition": "",  
    "secret_key": "",  
    "service_id": "SU1Z0isxPaozGVKXdv0eY",  
    "ssh_known_hosts": "example.com ed25519hostkey\nexample.com ecdsa-sha2-nistp256 abc123XYX",  
    "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",  
    "updated_at": "2019-03-01T12:21:37Z",  
    "user": "anonymous",  
    "version": "1"  
  }  
]
```

GET /service/service_id/version/logging/sftp/name

Get the SFTP for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example
```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/sftp/test-sftp HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example
```
HTTP/1.1 200 OK
Content-Type: application/json

[  
  {  
    "address": "example.com",  
    "created_at": "2019-02-25T23:39:09Z",  
    "deleted_at": null,  
    "format": "%h %l %u %t \"%r\" %>s %b",  
    "format_version": "2",  
    "gzip_level": 0,  
    "message_type": "classic",  
    "name": "test-sftp",  
    "password": "REDACTED",  
    "path": "/",  
    "period": "3600",  
    "placement": null,  
    "port": "22",  
    "public_key": null,  
    "response_condition": "",  
    "secret_key": "",  
    "service_id": "SU1Z0isxPaozGVKXdv0eY",  
    "ssh_known_hosts": "example.com ed25519hostkey\nexample.com ecdsa-sha2-nistp256 abc123XYX",  
    "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",  
    "updated_at": "2019-03-01T12:21:37Z",  
    "user": "anonymous",  
    "version": "1"  
  }  
]
```
POST /service/service_id/version/logging/sftp

Create a SFTP for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

Request Example

```
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/sftp HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-sftp&address=example.com&port=22&user=anonymous&password=mysecretpassword&path=/&ssh_known_hosts=example.com%20cdsa-sha2-nistp256%20abc123XYX
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "address": "example.com",
  "created_at": "2019-02-25T23:39:09Z",
  "deleted_at": null,
  "format": "%h %l %u %t "\"%r\" %>s %b",
  "format_version": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "test-sftp",
  "password": "REDACTED",
  "path": "/",
  "period": "3600",
  "placement": null,
  "port": "22",
  "public_key": null,
  "response_condition": ",",
  "secret_key": ",",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "ssh_known_hosts": "example.com ecdsa-sha2-nistp256 abc123XYX...",
  "timestamp_format": ":Y-Y-m-dT%H:%M:%S.000",
  "updated_at": "2019-03-01T12:21:37Z",
  "user": "anonymous",
  "version": "1"
}
```
Update the SFTP for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the SFTP object (used to select the correct SFTP object if the name has been changed).</td>
</tr>
</tbody>
</table>

Request Example

PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/sftp/test-sftp HTTP/1.1

Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=updated-test-sftp

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}

DELETE /service/service_id /version/ version /logging/sftp/ name

Delete the SFTP for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

Request Example

DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/sftp/test-sftp HTTP/1.1

Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
Fastly will POST messages to your Splunk account in the format specified in the Splunk object.

### Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the Splunk logging rule.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
<tr>
<td>url</td>
<td>string</td>
<td>The URL to POST to.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 2 (the</td>
</tr>
<tr>
<td></td>
<td></td>
<td>default, version 2 log format) or 1 (the version 1 log format). The logging call gets placed by</td>
</tr>
<tr>
<td></td>
<td></td>
<td>default in <code>vcl_log</code> if <code>format_version</code> is set to 2 and in <code>vcl_deliver</code> if <code>format_version</code> is</td>
</tr>
<tr>
<td></td>
<td></td>
<td>set to 1.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was created.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint, or leave blank to always execute.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any <code>format_version</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td>default. Can be <code>none</code> or <code>waf_debug</code>. This field is not required and has no default value.</td>
</tr>
<tr>
<td>token</td>
<td>string</td>
<td>A Splunk token for use in posting logs over HTTP to your collector.</td>
</tr>
<tr>
<td>tls_hostname</td>
<td>string</td>
<td>The hostname used to verify the server’s certificate. It can either be the Common Name or a</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Subject Alternative Name (SAN).</td>
</tr>
<tr>
<td>tls_ca_cert</td>
<td>string</td>
<td>A secure certificate to authenticate the server with. Must be in PEM format.</td>
</tr>
</tbody>
</table>

### Actions

**GET /service/ service_id /version/ version /logging/splunk**

List all of the Splunk logging objects for a particular service and version.

**Authentication**

**API token** of a user with at least **Engineer permissions**.

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/splunk HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json
```
GET /service/service_id/version/version/logging/splunk/name

Get the details for a Splunk logging object for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Request Example

```
GET /service/SU120IsxPaozGVKXdv0eY/version/1/logging/splunk/test-splunk HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
    "format": "%h %l %u %t "%r" %>s %b",
    "deleted_at": null,
    "tls_hostname": null,
    "response_condition": "",
    "format_version": "2",
    "version": "1",
    "tls_ca_cert": null,
    "url": "https://mysplunkendpoint.example.com/services/collector/event",
    "service_id": "SU120IsxPaozGVKXdv0eY",
    "updated_at": "2019-08-23T19:54:52Z",
    "created_at": "2019-08-23T19:54:52Z",
    "name": "test-splunk",
    "token": "my-token",
    "placement": null
}
```

POST /service/service_id/version/version/logging/splunk

Create a Splunk logging object for a particular service and version.

Authentication
API token of a user with at least Engineer permissions.

Request Example

```
POST /service/SU120IsxPaozGVKXdv0eY/version/1/logging/splunk HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-splunk&url=https://mysplunkendpoint.example.com/services/collector/event&token=my-token
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json
```
Update the Splunk logging object for a particular service and version.

**Authentication**

API token of a user with at least Engineer permissions.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the Splunk object (used to select the correct Splunk object if the name has been changed).</td>
</tr>
</tbody>
</table>

**Request Example**

```
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/splunk/test-splunk HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=updated-test-splunk
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
    "response_condition": "",
    "created_at": "2019-08-23T19:54:52Z",
    "placement": null,
    "version": "1",
    "tls_ca_cert": null,
    "token": "my-token",
    "format_version": "2",
    "name": "updated-test-splunk",
    "updated_at": "2019-08-23T19:54:52Z",
    "deleted_at": null,
    "format": "%h %l %u %t \"%r\" \%>s %b",
    "tls_hostname": null,
    "url": "https://mysplunkendpoint.example.com/services/collector/event",
    "service_id": "SU1Z0isxPaozGVKXdv0eY"
}
```
**GET** /service/SU1Z0isxPaozGVXKxdv0EY/version/1/logging/splunk/test-splunk

**HTTP/1.1**

Fastly-Key: YOUR_FASTLY_TOKEN

Accept: application/json

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "status": "ok"
}
```

**Sumologic**

Fastly will POST messages to the Sumo Logic account in the format specified in the Sumologic object.

**Fields**

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint.</td>
</tr>
<tr>
<td>message_type</td>
<td>string</td>
<td>How the message should be formatted One of:</td>
</tr>
<tr>
<td>classic</td>
<td>-</td>
<td>(default) RFC 3164 syslog prefix.</td>
</tr>
<tr>
<td>loggly</td>
<td>-</td>
<td>RFC 5424 structured syslog.</td>
</tr>
<tr>
<td>logplex</td>
<td>-</td>
<td>Heroku-style length prefixed syslog.</td>
</tr>
<tr>
<td>blank</td>
<td>-</td>
<td>No prefix. Useful for writing JSON and CSV.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the sumologic rule.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding any format_version default. Can be <code>none</code> or <code>waf_debug</code>. This field is not required and has no default value.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint, or leave blank to always execute.</td>
</tr>
<tr>
<td>url</td>
<td>string</td>
<td>The URL to POST to.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</td>
</tr>
</tbody>
</table>

**Actions**

**GET** /service/ service_id /version/ version /logging/sumologic

List all of the Sumologics for a particular service and version

**Authentication**

*API token* of a user with at least `Engineer` permissions.

**Request Example**

```
GET /service/SU1Z0isxPaozGVXKxdv0EY/version/1/logging/sumologic HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**
GET /service/service_id/version/logging/sumologic/ name

Get the Sumologic for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example

GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/sumologic/test-sumologic HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

HTTP/1.1 200 OK
Content-Type: application/json

{
    "created_at": "2016-05-23T21:37:09+00:00",
    "deleted_at": null,
    "format": "%h %l %u %t "%r" %>s %b",
    "format_version": "2",
    "message_type": "classic",
    "name": "test-sumologic",
    "placement": null,
    "response_condition": "",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "updated_at": "2016-05-23T21:37:09+00:00",
    "url": "https://endpoint1.collection.us2.sumologic.com/receiver/v1/http/your_end_point_here",
    "version": "1"
}

POST /service/service_id/version/logging/sumologic

Create a Sumologic for a particular service and version

Authentication
API token of a user with at least Engineer permissions.

Request Example

POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/sumologic HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-sumologic&url=https://sumologic.net/v1/http/your_end_point_here

Response Example

HTTP/1.1 200 OK
Content-Type: application/json
PUT /service/ service_id /version /version/logging/sumologic/ old_name

Update the Sumologic for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the Sumologic object (used to select the correct Sumologic object if the name has been changed).</td>
</tr>
</tbody>
</table>

Request Example

```plaintext
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/sumologic/test-sumologic HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=updated-test-sumologic
```

▼ Response Example

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

{  
  "created_at": "2016-05-23T21:37:09+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "2",
  "message_type": "classic",
  "name": "updated-test-sumologic",
  "response_condition": "",
  "placement": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "updated_at": "2016-05-23T21:37:09+00:00",
  "url": "https://endpoint1.collection.us2.sumologic.com/receiver/v1/http/your_end_point_here",
  "version": "1"
}
```

DELETE /service/ service_id /version /version/logging/sumologic/ name

Delete the Sumologic for a particular service and version

Authentication

API token of a user with at least Engineer permissions.

Request Example

```plaintext
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/sumologic/test-sumologic HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

```plaintext
{  
  "created_at": "2016-05-23T21:37:09+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "2",
  "message_type": "classic",
  "name": null,
  "response_condition": "",
  "placement": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "updated_at": "2016-05-23T21:37:09+00:00",
  "url": "https://endpoint1.collection.us2.sumologic.com/receiver/v1/http/your_end_point_here",
  "version": "1"
}
```
HTTP/1.1 200 OK
Content-Type: application/json

{
"status": "ok"
}

Syslog
Fastly will stream log messages to the location in the format specified in the Syslog object.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>address</td>
<td>string</td>
<td>A hostname or IPv4 address.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was deleted.</td>
</tr>
<tr>
<td>format</td>
<td>string</td>
<td>Apache style log formatting.</td>
</tr>
<tr>
<td>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint.</td>
</tr>
<tr>
<td>hostname</td>
<td>string</td>
<td>The hostname used for the syslog endpoint.</td>
</tr>
<tr>
<td>ipv4</td>
<td>string</td>
<td>The IPv4 address used for the syslog endpoint.</td>
</tr>
<tr>
<td>message_type</td>
<td>string</td>
<td>How the message should be formatted One of:</td>
</tr>
<tr>
<td>classic</td>
<td>-</td>
<td>(default) RFC 3164 syslog prefix.</td>
</tr>
<tr>
<td>loggly</td>
<td>-</td>
<td>RFC 5424 structured syslog.</td>
</tr>
<tr>
<td>logplex</td>
<td>-</td>
<td>Heroku-style length prefixed syslog.</td>
</tr>
<tr>
<td>blank</td>
<td>-</td>
<td>No prefix. Useful for writing JSON and CSV.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the syslog rule.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed, overriding</td>
</tr>
<tr>
<td></td>
<td></td>
<td>any format_version default. Can be none or waf_debug. This field is not</td>
</tr>
<tr>
<td></td>
<td></td>
<td>required and has no default value.</td>
</tr>
<tr>
<td>port</td>
<td>integer</td>
<td>The port number.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>The name of an existing condition in the configured endpoint, or leave blank</td>
</tr>
<tr>
<td></td>
<td></td>
<td>to always execute.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>tls_ca_cert</td>
<td>string</td>
<td>A secure certificate to authenticate the server with. Must be in PEM format.</td>
</tr>
<tr>
<td>tls_client_cert</td>
<td>string</td>
<td>The client certificate used to make authenticated requests. Must be in</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEM format.</td>
</tr>
<tr>
<td>tls_client_key</td>
<td>string</td>
<td>The client private key used to make authenticated requests. Must be in PEM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>format.</td>
</tr>
<tr>
<td>tls_hostname</td>
<td>string</td>
<td>Used during the TLS handshake to validate the certificate.</td>
</tr>
<tr>
<td>token</td>
<td>string</td>
<td>Whether to prepend each message with a specific token.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was updated.</td>
</tr>
<tr>
<td>use_tls</td>
<td>string</td>
<td>Whether to use TLS for secure logging. Can be either &quot;0&quot; or &quot;1&quot;.</td>
</tr>
</tbody>
</table>
### GET /service/{service_id}/version/{version}/logging/syslog

List all of the Syslogs for a particular service and version

**Authentication**
- **API token** of a user with at least **Engineer permissions**.

**Request Example**
```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/syslog HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**
```
HTTP/1.1 200 OK
Content-Type: application/json

[  
  {  
    "address": "example.com",
    "created_at": "2016-05-26T16:41:38+00:00",
    "deleted_at": null,
    "format": "%h %l %u %t \"%r\" %>s %b",
    "hostname": "example.com",
    "ipv4": null,
    "message_type": "classic",
    "name": "test-syslog",
    "placement": null,
    "port": "514",
    "response_condition": "",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "tls_ca_cert": null,
    "tls_client_cert": null,
    "tls_client_key": null,
    "tls_hostname": null,
    "token": null,
    "updated_at": "2016-05-26T16:41:38+00:00",
    "use_tls": "0",
    "version": "1"
  }
]
```

### GET /service/{service_id}/version/{version}/logging/syslog/{name}

Get the Syslog for a particular service and version

**Authentication**
- **API token** of a user with at least **Engineer permissions**.

**Request Example**
```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/syslog/test-syslog HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

**Response Example**
```
HTTP/1.1 200 OK
Content-Type: application/json

[  
  {  
    "address": "example.com",
    "created_at": "2016-05-26T16:41:38+00:00",
    "deleted_at": null,
    "format": "%h %l %u %t \"%r\" %>s %b",
    "hostname": "example.com",
    "ipv4": null,
    "message_type": "classic",
    "name": "test-syslog",
    "placement": null,
    "port": "514",
    "response_condition": "",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "tls_ca_cert": null,
    "tls_client_cert": null,
    "tls_client_key": null,
    "tls_hostname": null,
    "token": null,
    "updated_at": "2016-05-26T16:41:38+00:00",
    "use_tls": "0",
    "version": "1"
  }
]
```
Create a Syslog for a particular service and version

Authentication

**API token** of a user with at least **Engineer permissions**.

Request Example

```plaintext
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/syslog

HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-syslog&address=example.com
```

Response Example

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

{
    "address": "example.com",
    "created_at": "2016-05-26T16:41:38+00:00",
    "deleted_at": null,
    "format": "%h %l %u %t "\"%r\" %>s %b",
    "format_version": "2",
    "hostname": "example.com",
    "ipv4": null,
    "message_type": "classic",
    "name": "test-syslog",
    "placement": null,
    "port": "514",
    "response_condition": "",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "tls_ca_cert": null,
    "tls_client_cert": null,
    "tls_client_key": null,
    "tls_hostname": null,
    "token": null,
    "updated_at": "2016-05-26T16:41:38+00:00",
    "use_tls": "0",
    "version": "1"
}
```

Update the Syslog for a particular service and version

Authentication

**API token** of a user with at least **Engineer permissions**.

Request Example

```plaintext
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/old_name

HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-syslog&address=example.com
```

Response Example

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json

{
    "address": "example.com",
    "created_at": "2016-05-26T16:41:38+00:00",
    "deleted_at": null,
    "format": "%h %l %u %t "\"%r\" %>s %b",
    "format_version": "2",
    "hostname": "example.com",
    "ipv4": null,
    "message_type": "classic",
    "name": "test-syslog",
    "placement": null,
    "port": "514",
    "response_condition": "",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "tls_ca_cert": null,
    "tls_client_cert": null,
    "tls_client_key": null,
    "tls_hostname": null,
    "token": null,
    "updated_at": "2016-05-26T16:41:38+00:00",
    "use_tls": "0",
    "version": "1"
}
```
Delete the Syslog for a particular service and version

API token of a user with at least **Engineer permissions**.

### Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>old_name</td>
<td>string</td>
<td>Old name of the Syslog object (used to select the correct Syslog object if the name has been changed).</td>
</tr>
</tbody>
</table>

#### Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/syslog/test-syslog HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd-fastly-deprecated
Accept: application/json
```

#### Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{  
  "status": "ok"
}
```

Amazon S3 Canary logging endpoint

Our Amazon S3 Canary logging endpoint was retired in 2019. The Amazon S3 logging endpoint offers the same functionality.
Syslog legacy paths

Our original syslog logging endpoints did not include /logging/ as part of the URL pattern. In 2017 we updated the URLs to match the URL pattern of our newer logging endpoints. We maintain the deprecated patterns (without /logging/) as a courtesy.

Transport Layer Security

Transport Layer Security (TLS)

Fastly offers an API for uploading and managing your keys and certificates used to enable TLS for your domains on Fastly.

To start, you must generate a new key and certificate with your preferred certification authority. You may then use our endpoints to upload a key and then upload the matching certificate. To terminate TLS for a specific domain, you’ll need to enable that domain for a given certificate by creating a protocol policy. Finally, for Fastly to begin to terminate TLS you will need to update the DNS records for the domain with the provided DNS Names returned to you.

We also provide a way for you to replace your certificates when they are nearing expiration. When regenerating a new certificate, you must ensure the list of SAN entries match the existing certificate. You can then replace the existing certificate with the new certificate.

This API also allows you to delete keys and certificates, list TLS domains for an uploaded certificate, and disable a protocol policy (which will disable TLS termination for that domain).

Private Keys

A private key is used to sign a Certificate. A key can be used to sign multiple certificates.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the private key was created. Read Only.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>A customizable name for your private key. Optional.</td>
</tr>
<tr>
<td>key</td>
<td>string</td>
<td>The contents of the private key. Must be a PEM-formatted key. Not returned in response body. Required.</td>
</tr>
<tr>
<td>key_length</td>
<td>integer</td>
<td>The key length used to generate the private key. Read Only.</td>
</tr>
<tr>
<td>key_type</td>
<td>string</td>
<td>The algorithm used to generate the private key. Must be RSA. Read Only.</td>
</tr>
<tr>
<td>replace</td>
<td>boolean</td>
<td>A recommendation from Fastly to replace this private key and all associated certificates. Read Only.</td>
</tr>
<tr>
<td>public_key_sha1</td>
<td>string</td>
<td>Useful for safely identifying the key. Read Only.</td>
</tr>
</tbody>
</table>

Actions

GET /tls/private_keys

List all TLS private keys.

Authentication

API token with at least TLS management permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>filter[in_use]</td>
<td>string</td>
<td>Limit the returned keys to those without any matching TLS certificates. The only valid value is false.</td>
</tr>
<tr>
<td>page[number]</td>
<td>integer</td>
<td>The page index for pagination.</td>
</tr>
<tr>
<td>page[size]</td>
<td>integer</td>
<td>The number of keys per page.</td>
</tr>
</tbody>
</table>

Request Example

```
GET /tls/private_keys HTTP/1.1
Accept: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN
```
GET /tls/private_keys

Show a TLS private key.

Authentication

**API token** with at least **TLS management permissions**.

Request Example

```plaintext
GET /tls/private_keys/:id HTTP/1.1
Accept: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN
```

Response Example

```json
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

{
  "data": {
    "id": "PRIVATE_KEY_ID",
    "type": "tls_private_key",
    "attributes": {
      "key_length": 2048,
      "key_type": "RSA",
      "name": "My private key",
      "created_at": "2019-02-01T12:12:12.000Z",
      "replace": false,
      "public_key_sha1": "KEY_DIGEST"
    }
  },
  "meta": { "record_count": 1, "current_page": 1, "per_page": 20, "total_pages": 1 }
}
```

POST /tls/private_keys

Create a TLS private key.

Authentication

**API token** with at least **TLS management permissions**.

Request Example

```plaintext
POST /tls/private_keys HTTP/1.1
Accept: application/vnd.api+json
Content-Type: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN
```
DELETE /tls/private_keys/ id

Destroy a TLS private key. Only private keys not already matched to any certificates can be deleted.

Authentication
API token with at least TLS management permissions.

Request Example
DELETE /tls/private_keys/:id HTTP/1.1
Accept: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN

Response Example
HTTP/1.1 204 No Content

TLS Certificates
A TLS certificate is used to terminate TLS traffic for one or more of your TLS domains.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>cert_blob</td>
<td>string</td>
<td>The PEM-formatted certificate blob. Required. Write Only.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the certificate was created. Read Only.</td>
</tr>
<tr>
<td>issued_to</td>
<td>string</td>
<td>The hostname for which a certificate was issued. Read Only.</td>
</tr>
<tr>
<td>issuer</td>
<td>string</td>
<td>The certificate authority that issued the certificate. Read Only.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>A customizable name for your certificate. Defaults to the certificate’s Common Name or first Subject Alternative Names (SAN) entry. Optional.</td>
</tr>
<tr>
<td>not_after</td>
<td>string</td>
<td>Time-stamp (GMT) when the certificate will expire. Must be in the future to be used to terminate TLS traffic. Read Only.</td>
</tr>
<tr>
<td>not_before</td>
<td>string</td>
<td>Time-stamp (GMT) when the certificate will become valid. Must be in the past to be used to terminate TLS traffic. Read Only.</td>
</tr>
</tbody>
</table>
### Field Types and Descriptions

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>replace</td>
<td>boolean</td>
<td>A recommendation from Fastly indicating the key associated with this certificate is in need of rotation. Read Only.</td>
</tr>
<tr>
<td>serial_number</td>
<td>string</td>
<td>A value assigned by the issuer that is unique to a certificate. Read Only.</td>
</tr>
<tr>
<td>signature_algorithm</td>
<td>string</td>
<td>The algorithm used to sign the certificate. Read Only.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the certificate was last updated. Read Only.</td>
</tr>
<tr>
<td>tls_domains</td>
<td>array</td>
<td>All the domains (including wildcard domains) that are listed in any certificate’s Subject Alternative Names (SAN) list.</td>
</tr>
</tbody>
</table>

### Actions

**GET /tls/certificates**

List all TLS certificates.

**Authentication**

[API token](#) with at least [TLS management permissions](#).

**Parameters**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>filter[not_after]</td>
<td>string</td>
<td>Limit the returned certificates to those that expire prior to the specified date in UTC. Accepts parameters: lte (e.g., filter[not_after][lte]=2020-05-05).</td>
</tr>
<tr>
<td>filter[tls_domains.id]</td>
<td>string</td>
<td>Limit the returned certificates to those that include the specific domain.</td>
</tr>
<tr>
<td>include</td>
<td>string</td>
<td>Include related objects. Optional, comma-separated values. Permitted values: tls_activations.</td>
</tr>
<tr>
<td>page[number]</td>
<td>integer</td>
<td>The page index for pagination.</td>
</tr>
<tr>
<td>page[size]</td>
<td>integer</td>
<td>The number of certificates per page.</td>
</tr>
<tr>
<td>sort</td>
<td>string</td>
<td>The order in which to list certificates. Valid values are created_at, not_before, not_after, tls_activations.created_at. May precede any value with a _- for descending.</td>
</tr>
</tbody>
</table>

**Request Example**

```
GET /tls/certificates HTTP/1.1
Accept: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```
GET /tls/certificates/ id

Show a TLS certificate.

Authentication

API token with at least TLS management permissions.

Request Example

```
GET /tls/certificates/:id HTTP/1.1
Accept: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN
```

▼ Response Example

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

```
POST /tls/certificates

Create a TLS certificate.

Authentication

API token with at least TLS management permissions.

Request Example

```json
POST /tls/certificates HTTP/1.1
Accept: application/vnd.api+json
Content-Type: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN

{
  "data": {
    "type": "tls_certificate",
    "attributes": {
      "cert_blob": "-----BEGIN CERTIFICATE-----
...
-----END CERTIFICATE-----
",
      "name": "My certificate"
    }
  }
}
```

Response Example

```json
HTTP/1.1 201 Created
Content-Type: application/vnd.api+json

{
  "data": {
    "id": "TLS_CERTIFICATE_ID",
    "type": "tls_certificate",
    "attributes": {
      "created_at": "2019-02-01T12:12:12.000Z",
      "issued_to": "...",
      "issuer": "Let's Encrypt Authority X3",
      "name": "My certificate",
      "not_after": "2020-02-01T12:12:12.000Z",
      "not_before": "2019-02-01T12:12:12.000Z",
      "replace": false,
      "serial_number": "1234567890",
      "signature_algorithm": "SHA256",
      "updated_at": "2019-02-01T12:12:12.000Z"
    },
    "relationships": {
      "tls_domains": {
        "data": [
          { "id": "DOMAIN_NAME", "type": "tls_domain" }
        ]
      }
    }
  }
}
```

PATCH /tls/certificates/ id

Replace a TLS certificate with a newly reissued TLS certificate, or update a TLS certificate’s name. If replacing a TLS certificate, the new TLS certificate must contain all SAN entries as the current TLS certificate. It must either have an exact matching list or contain a superset.

Authentication

API token with at least TLS management permissions.

Request Example

```json
PATCH /tls/certificates/:id HTTP/1.1
Accept: application/vnd.api+json
Content-Type: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN

```
DELETE /tls/certificates/ id

Destroy a TLS certificate. TLS certificates already enabled for a domain cannot be destroyed.

Authentication
API token with at least TLS management permissions.

Request Example
DELETE /tls/certificates/:id HTTP/1.1
Accept: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN

Response Example
HTTP/1.1 204 No Content

TLS Domains

TLS domains are all the domains (including wildcard domains) included in any TLS certificate’s Subject Alternative Names (SAN) list. Included in the response is information about which certificates reference this domain as well as the TLS activation indicating which certificate is enabled to serve TLS traffic for the domain.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>string</td>
<td>The domain name. Read Only.</td>
</tr>
<tr>
<td>tls_certificates</td>
<td>array</td>
<td>The list of all the TLS certificates that include this domain in their SAN list.</td>
</tr>
</tbody>
</table>
### GET /tls/domains

List all TLS domains.

**Authentication**

API token with at least TLS management permissions.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>filter[in_use]</td>
<td>string</td>
<td>Optional. Limit the returned domains to those currently using Fastly to terminate TLS with SNI (that is, domains considered “in use”) Permitted values: true, false.</td>
</tr>
<tr>
<td>filter[tls_certificates.id]</td>
<td>string</td>
<td>Optional. Limit the returned domains to those listed in the given TLS certificate’s SAN list.</td>
</tr>
<tr>
<td>include</td>
<td>string</td>
<td>Include related objects. Optional, comma-separated values. Permitted values: tls_activations, tls_certificates, tls_subscriptions, and tls_subscriptions.tls_authorizations.</td>
</tr>
<tr>
<td>page[number]</td>
<td>integer</td>
<td>The page index for pagination.</td>
</tr>
<tr>
<td>page[size]</td>
<td>integer</td>
<td>The number of domains per page.</td>
</tr>
<tr>
<td>sort</td>
<td>string</td>
<td>The order in which to list domains. Valid values are id, tls_activations.created_at. May precede any value with a - for descending.</td>
</tr>
</tbody>
</table>

**Request Example**

```
GET /tls/domains HTTP/1.1
Accept: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```
```
{
  "data": [  
    {
        "id": "DOMAIN_NAME",
        "type": "tls_domain",
        "relationships": {  
          "tls_activations": {  
            "data": [  
              {  "id": "TLS_ACTIVATION_ID",  "type": "tls_activation" }  
            ]  
          },  
          "tls_certificates": {  
            "data": [  
              {  "id": "TLS_CERTIFICATE_ID",  "type": "tls_certificate" }  
            ]  
          },  
          "tls_subscriptions": {  
            "data": [  
              {  "id": "TLS_SUBSCRIPTION_ID",  "type": "tls_subscription" }  
            ]  
          }  
        }  
      },  
      "links": [  
        {  "self": "https://api.fastly.com/tls/domains?page%5Bnumber%5D=1&page%5Bsize%5D=20",  
            "first": "https://api.fastly.com/tls/domains?page%5Bnumber%5D=1&page%5Bsize%5D=20",  
            "prev": null,  
            "next": null,  
            "last": "https://api.fastly.com/tls/domains?page%5Bnumber%5D=1&page%5Bsize%5D=20"  
        },  
        "meta": {  "record_count": 1,  "current_page": 1,  "per_page": 20,  "total_pages": 1 }  
      ]  
    }
}
```

## TLS Activations

### Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>tls_certificate.id</td>
<td>string</td>
<td>The <a href="#">TLS certificate</a> being used to terminate TLS traffic for a domain. Required.</td>
</tr>
<tr>
<td>tls_configuration.id</td>
<td>string</td>
<td>The <a href="#">TLS configuration</a> being used to terminate TLS traffic. Optional.</td>
</tr>
<tr>
<td>tls_domain.id</td>
<td>string</td>
<td>The <a href="#">TLS domain</a> being enabled for TLS traffic. Required.</td>
</tr>
</tbody>
</table>

### Actions

**GET** `/tls/activations`

List all TLS activations.

**Authentication**

API token with at least [TLS management permissions](#).

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>filter[tls_certificate.id]</td>
<td>string</td>
<td>Limit the returned activations to a specific certificate.</td>
</tr>
<tr>
<td>filter[tls_configuration.id]</td>
<td>string</td>
<td>Limit the returned activations to a specific TLS configuration.</td>
</tr>
<tr>
<td>filter[tls_domain.id]</td>
<td>string</td>
<td>Limit the returned rules to a specific domain name.</td>
</tr>
<tr>
<td>include</td>
<td>string</td>
<td>Include related objects. Optional, comma-separated values. Permitted values: [tls_certificate], [tls_configuration], and [tls_domain].</td>
</tr>
<tr>
<td>page[number]</td>
<td>integer</td>
<td>The page index for pagination.</td>
</tr>
<tr>
<td>page[size]</td>
<td>integer</td>
<td>The number of activations per page.</td>
</tr>
</tbody>
</table>

### Request Example
GET /tls/activations HTTP/1.1
Accept: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

{
  "data": [
    {
      "id": "TLS_ACTIVATION_ID",
      "type": "tls_activation",
      "attributes": {
        "created_at": "2019-02-01T12:12:12.000Z"
      },
      "relationships": {
        "tls_certificate": {
          "data": { "id": "TLS_CERTIFICATE_ID", "type": "tls_certificate" }
        },
        "tls_configuration": {
          "data": { "id": "TLS_CONFIGURATION_ID", "type": "tls_configuration" }
        },
        "tls_domain": {
          "data": { "id": "DOMAIN_NAME", "type": "tls_domain" }
        }
      }
    }
  ],
  "links": {
    "self": "https://api.fastly.com/tls/activations?page%5Bnumber%5D=1&page%5Bsize%5D=100",
    "first": "https://api.fastly.com/tls/activations?page%5Bnumber%5D=1&page%5Bsize%5D=100",
    "prev": null,
    "next": null,
    "last": "https://api.fastly.com/tls/activations?page%5Bnumber%5D=1&page%5Bsize%5D=100"
  },
  "meta": { "per_page": 100, "current_page": 1, "record_count": 1, "total_pages": 1 }
}
```

GET /tls/activations/:id

Show a TLS activation.

**Authentication**

API token with at least TLS management permissions.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
</table>
| include   | string | Include related objects. Optional, comma-separated values. Permitted values: `tls_certificate`, `tls_configuration`, and `tls_domain`.

**Request Example**

```
GET /tls/activations/:id HTTP/1.1
Accept: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN

```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```
POST /tls/activations

Enable TLS for a particular TLS domain and certificate combination. These relationships must be specified to create the TLS activation.

Authentication

API token with at least TLS management permissions.

Request Example

```
POST /tls/activations HTTP/1.1
Accept: application/vnd.api+json
Content-Type: application/vnd.api+json

Fastly-Key: YOUR_FASTLY_TOKEN

{
    "data": {
        "type": "tls_activation",
        "relationships": {
            "tls_certificate": {
                "data": {
                    "type": "tls_certificate",
                    "id": "TLS_CERTIFICATE_ID"
                }
            },
            "tls_configuration": {
                "data": {
                    "type": "tls_configuration",
                    "id": "TLS_CONFIGURATION_ID"
                }
            },
            "tls_domain": {
                "data": {
                    "type": "tls_domain",
                    "id": "DOMAIN_NAME"
                }
            }
        }
    }
}
```

Response Example

```
HTTP/1.1 201 Created
Content-Type: application/vnd.api+json

{
    "data": {
        "id": "TLS_ACTIVATION_ID",
        "type": "tls_activation",
        "attributes": {
            "created_at": "2019-02-01T12:12:12.000Z"
        },
        "relationships": {
            "tls_certificate": {
                "data": {
                    "id": "TLS_CERTIFICATE_ID",
                    "type": "tls_certificate"
                }
            },
            "tls_configuration": {
                "data": {
                    "id": "TLS_CONFIGURATION_ID",
                    "type": "tls_configuration"
                }
            },
            "tls_domain": {
                "data": {
                    "id": "DOMAIN_NAME",
                    "type": "tls_domain"
                }
            }
        }
    }
}
```
PATCH /tls/activations/:id

Update the certificate used to terminate TLS traffic for the domain associated with this TLS activation.

Authentication
API token with at least TLS management permissions.

Request Example
`
PATCH /tls/activations/:id HTTP/1.1
Accept: application/vnd.api+json
Content-Type: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN

{
  "data": {
    "type": "tls_activation",
    "relationships": {
      "tls_certificate": {
        "data": {
          "type": "tls_certificate",
          "id": "CERTIFICATE_ID"
        }
      }
    }
  }
}
`

Response Example
`
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

{
  "data": {
    "id": "TLS_ACTIVATION_ID",
    "type": "tls_activation",
    "attributes": {
      "created_at": "2019-02-01T12:12:12.000Z"
    },
    "relationships": {
      "tls_certificate": {
        "data": {
          "id": "CERTIFICATE_ID",
          "type": "tls_certificate"
        }
      },
      "tls_configuration": {
        "data": {
          "id": "TLS_CONFIGURATION_ID",
          "type": "tls_configuration"
        }
      },
      "tls_domain": {
        "data": {
          "id": "DOMAIN_NAME",
          "type": "tls_domain"
        }
      }
    }
  }
}
`

DELETE /tls/activations/:id

Disable TLS on the domain associated with this TLS activation.

Authentication
API token with at least TLS management permissions.

Request Example
`
DELETE /tls/activations/:id HTTP/1.1
Accept: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN

Response Example
`
HTTP/1.1 204 No Content
`

TLS Configurations
Customers with access to multiple sets of IP pools are able to apply different configuration options to their TLS enabled domains.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
</table>

## Field Descriptions

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the configuration was created. Read Only.</td>
</tr>
<tr>
<td>default</td>
<td>boolean</td>
<td>Signifies whether or not Fastly will use this configuration as a default when creating a new TLS Activation. Read Only.</td>
</tr>
<tr>
<td>http_protocols</td>
<td>array</td>
<td>HTTP protocols available on your configuration. Read Only.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>A custom name for your TLS configuration.</td>
</tr>
<tr>
<td>relationships.service</td>
<td>-</td>
<td>Object. The Fastly Service that is automatically selected when this TLS Configuration is used. Read Only.</td>
</tr>
<tr>
<td>relationships.dns_records</td>
<td>-</td>
<td>Object. The DNS records to use for this configuration.</td>
</tr>
<tr>
<td>tls_protocols</td>
<td>array</td>
<td>TLS protocols available on your configuration. Read Only.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the configuration was last updated. Read Only.</td>
</tr>
<tr>
<td>bulk</td>
<td>boolean</td>
<td>Signifies whether the configuration is used for Platform TLS or not. Read Only.</td>
</tr>
</tbody>
</table>

## Actions

**GET /tls/configurations**

List all TLS configurations.

**Authentication**

API token with at least TLS management permissions.

**Parameters**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>include</td>
<td>string</td>
<td>Include related objects. Optional, comma-separated values. Permitted values: dns_records.</td>
</tr>
<tr>
<td>page[number]</td>
<td>integer</td>
<td>The page index for pagination.</td>
</tr>
<tr>
<td>page[size]</td>
<td>integer</td>
<td>The number of configurations per page.</td>
</tr>
<tr>
<td>filter[bulk]</td>
<td>boolean</td>
<td>Optionally filters by the bulk attribute.</td>
</tr>
</tbody>
</table>

**Request Example**

GET /tls/configurations?include=dns_records  HTTP/1.1
Accept: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN

**Response Example**

HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
null
GET /tls/configurations/TLS_CONFIGURATION_ID

List one TLS configuration.

Authentication

API token with at least TLS management permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>include</td>
<td>string</td>
<td>Include related objects. Optional, comma-separated values. Permitted values: dns_records.</td>
</tr>
</tbody>
</table>

Request Example

GET /tls/configurations/TLS_CONFIGURATION_ID?include=dns_records HTTP/1.1
Accept: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN

Response Example

HTTP/1.1 200 OK
Content-Type: text/html;charset=utf-8
"data": {
  "id": "TLS_CONFIGURATION_ID",
  "type": "tls_configuration",
  "attributes": {
    "bulk": false,
    "created_at": "2019-02-01T12:12:12.000Z",
    "default": true,
    "http_protocols": [
      "http/1.1",
      "http/2"
    ],
    "name": "TLS Configuration A",
    "tls_protocols": [
      "1.1",
      "1.2"
    ],
    "updated_at": "2019-02-01T12:12:12.000Z"
  },
  "relationships": {
    "dns_records": {
      "data": [
        {
          "id": "2a04:4e42::645",
          "type": "dns_record"
        },
        {
          "id": "151.101.2.133",
          "type": "dns_record"
        },
        {
          "id": "2a04:4e42:200::645",
          "type": "dns_record"
        },
        {
          "id": "151.101.66.133",
          "type": "dns_record"
        },
        {
          "id": "2a04:4e42:600::645",
          "type": "dns_record"
        },
        {
          "id": "151.101.194.133",
          "type": "dns_record"
        },
        {
          "id": "2a04:4e42:400::645",
          "type": "dns_record"
        },
        {
          "id": "151.101.130.133",
          "type": "dns_record"
        },
        {
          "id": "2a04:4e42:fd8::645",
          "type": "dns_record"
        },
        {
          "id": "199.232.198.133",
          "type": "dns_record"
        },
        {
          "id": "2a04:4e42:fd9::645",
          "type": "dns_record"
        },
        {
          "id": "199.232.194.133",
          "type": "dns_record"
        },
        {
          "id": "d.sni.global.fastly.net",
          "type": "dns_record"
        },
        {
          "id": "d.sni.us-eu.fastly.net",
          "type": "dns_record"
        }
      ]
    },
    "service": {
      "data": {
        "id": "SERVICE_ID",
        "attributes": {
          "bulk": false,
          "created_at": "2019-02-01T12:12:12.000Z",
          "default": true,
          "http_protocols": [
            "http/1.1",
            "http/2"
          ],
          "name": "TLS Configuration A",
          "tls_protocols": [
            "1.1",
            "1.2"
          ],
          "updated_at": "2019-02-01T12:12:12.000Z"
        }
      }
    }
  }
}
PATCH /tls/configurations/ id

```json
{"type": "service"
}
{"included": [
{
"id": "2a04:4e42::645",
"type": "dns_record",
"attributes": {
"record_type": "AAAA", 
"region": "global"
}
},
{
"id": "151.101.2.133",
"type": "dns_record",
"attributes": {
"record_type": "A",
"region": "global"
}
},
{
"id": "2a04:4e42:200::645",
"type": "dns_record",
"attributes": {
"record_type": "AAAA",
"region": "global"
}
},
{
"id": "151.101.66.133",
"type": "dns_record",
"attributes": {
"record_type": "A",
"region": "global"
}
},
{
"id": "2a04:4e42:600::645",
"type": "dns_record",
"attributes": {
"record_type": "AAAA",
"region": "global"
}
},
{
"id": "151.101.194.133",
"type": "dns_record",
"attributes": {
"record_type": "A",
"region": "global"
}
},
{
"id": "2a04:4e42:400::645",
"type": "dns_record",
"attributes": {
"record_type": "AAAA",
"region": "global"
}
},
{
"id": "151.101.130.133",
"type": "dns_record",
"attributes": {
"record_type": "A",
"region": "global"
}
},
{
"id": "2a04:4e42:fd8::645",
"type": "dns_record",
"attributes": {
"record_type": "AAAA",
"region": "mbz100"
}
},
{
"id": "199.232.198.133",
"type": "dns_record",
"attributes": {
"record_type": "A",
"region": "mbz100"
}
},
{
"id": "2a04:4e42:fd9::645",
"type": "dns_record",
"attributes": {
"record_type": "AAAA",
"region": "mbz100"
}
},
{
"id": "199.232.194.133",
"type": "dns_record",
"attributes": {
"record_type": "A",
"region": "mbz100"
}
},
{
"id": "d.sni.global.fastly.net",
"type": "dns_record",
"attributes": {
"record_type": "CNAME",
"region": "global"
}
},
{
"id": "d.sni.us-eu.fastly.net",
"type": "dns_record",
"attributes": {
"record_type": "CNAME",
"region": "us-eu"
}
}]
}
Update a TLS configuration

Authentication

API token with at least TLS management permissions.

Request Example

```
PATCH /tls/configurations/:id HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json

{
  "data": {
    "id": "TLS_CONFIGURATION_ID",
    "type": "tls_configuration",
    "attributes": {
      "name": "New TLS configuration name"
    }
  }
}
```

▼ Response Example

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

{
  "data": {
    "id": "TLS_CONFIGURATION_ID",
    "type": "tls_configuration",
    "attributes": {
      "created_at": "2019-02-01T12:12:12.000Z",
      "default": true,
      "http_protocols": ["http/1.1", "http/2"],
      "name": "New TLS configuration name",
      "tls_protocols": ["1.1", "1.2"],
      "updated_at": "2019-02-01T12:12:12.000Z"
    }
  }
}
```

DNS Records

DNS records are the available DNS addresses that can be used to enable TLS for a domain. DNS must be configured for a domain for TLS handshakes to succeed. If enabling TLS on an apex domain (e.g., example.com) you must create four A records (or four AAAA records for IPv6 support) using the displayed global A record’s IP addresses with your DNS provider. For subdomains and wildcard domains (e.g., www.example.com or *.example.com) you will need to create a relevant CNAME record.

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>string</td>
<td>The IP address or hostname of the DNS record.</td>
</tr>
<tr>
<td>region</td>
<td>string</td>
<td>Specifies the regions that will be used to route traffic. Select DNS Records with a global region to route traffic to the most performant point of presence (POP) worldwide (global pricing will apply). Select DNS records with a us-eu region to exclusively land traffic on North American and European POPs.</td>
</tr>
<tr>
<td>record_type</td>
<td>string</td>
<td>The type of the DNS record. A specifies an IPv4 address to be used for an A record to be used for apex domains (e.g., example.com). AAAA specifies an IPv6 address for use in an A record for apex domains. CNAME specifies the hostname to be used for a CNAME record for subdomains or wildcard domains (e.g., <a href="http://www.example.com">www.example.com</a> or *.example.com).</td>
</tr>
</tbody>
</table>
Fastly-managed TLS subscriptions

Fastly offers an API for enabling TLS using certificates that are generated and managed by Fastly. Optionally, customers with access to multiple sets of IPs can apply different TLS configuration options to these TLS enabled domains.

TLS Subscriptions

The TLS subscriptions API allows you to programmatically generate and renew TLS certificates. Once a subscription is created for a given hostname or wildcard domain, DNS records are checked to ensure that the domain on the subscription is owned by the subscription creator. Provided DNS records are maintained, TLS certificates will automatically renew.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>certificate_authority</td>
<td>string</td>
<td>The entity that issues and certifies the TLS certificates for your subscription. Valid value is <code>lets-encrypt</code>.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the subscription was created. Read Only.</td>
</tr>
<tr>
<td>state</td>
<td>string</td>
<td>The current state of your subscription. The list of possible states are: <code>pending</code>, <code>processing</code>, <code>issued</code>, and <code>renewing</code>. Read Only.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the subscription was last updated. Read Only.</td>
</tr>
</tbody>
</table>

Actions

GET /tls/subscriptions

List all TLS subscriptions.

Authentication

API token with at least TLS management permissions.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>filter[state]</td>
<td>string</td>
<td>Limit the returned subscriptions by state. Valid values are <code>pending</code>, <code>processing</code>, <code>issued</code>, and <code>renewing</code>. Accepts parameters: <code>not</code> (e.g., <code>filter[state][not]=renewing</code>).</td>
</tr>
<tr>
<td>filter[tls_domains.id]</td>
<td>string</td>
<td>Limit the returned subscriptions to those that include the specific domain.</td>
</tr>
<tr>
<td>include</td>
<td>string</td>
<td>Include related objects. Optional, comma-separated values. Permitted values: <code>tls_authorizations</code>.</td>
</tr>
<tr>
<td>page[number]</td>
<td>integer</td>
<td>The page index for pagination.</td>
</tr>
<tr>
<td>page[size]</td>
<td>integer</td>
<td>The number of subscriptions per page.</td>
</tr>
<tr>
<td>sort</td>
<td>string</td>
<td>The order in which to list subscriptions. Valid values are <code>created_at</code>. May precede any value with a <code>~</code> for descending.</td>
</tr>
</tbody>
</table>

Request Example

GET /tls/subscriptions HTTP/1.1
Accept: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN

Response Example

HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
GET /tls/subscriptions/:id

Show a TLS subscription.

Authentication

**API token** with at least **TLS management permissions**.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>include</td>
<td>string</td>
<td>Include related objects. Optional, comma-separated values. Permitted values: tls_authorizations.</td>
</tr>
</tbody>
</table>

Request Example

```
GET /tls/subscriptions/:id?include=tls_authorizations HTTP/1.1
Accept: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```
POST /tls/subscriptions

Create a new TLS subscription. This response includes a list of possible challenges to verify domain ownership.

Authentication
API token with at least TLS management permissions.

Request Example

```
POST /tls/subscriptions HTTP/1.1
Accept: application/vnd.api+json
Content-Type: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN
```
```json
{
  "data": {
    "type": "tls_subscription",
    "attributes": {
      "certificate_authority": "lets-encrypt"
    },
    "relationships": {
      "tls_domains": {
        "data": [
          {
            "type": "tls_domain",
            "id": "DOMAIN_NAME"
          }
        ]
      },
      "tls_configuration": {
        "data": {
          "type": "tls_configuration",
          "id": "TLS_CONFIGURATION_ID"
        }
      }
    }
  }
}
```

**Response Example**

HTTP/1.1 201 Created

Content-Type: application/vnd.api+json

```json
{
  "data": {
    "id": "TLS_SUBSCRIPTION_ID",
    "type": "tls_subscription",
    "attributes": {
      "certificate_authority": "lets-encrypt",
      "created_at": "2019-02-01T12:12:12.000Z",
      "state": "pending",
      "updated_at": "2019-02-01T12:12:12.000Z"
    },
    "relationships": {
      "tls_authorizations": {
        "data": [
          {
            "id": "TLS_AUTHORIZATION_ID",
            "type": "tls_authorization"
          }
        ]
      },
      "tls_certificates": {
        "data": []
      },
      "tls_domains": {
        "data": [
          {
            "id": "DOMAIN_NAME",
            "type": "tls_domain"
          }
        ]
      }
    }
  },
  "included": [
    {
      "id": "TLS_AUTHORIZATION_ID",
      "type": "tls_authorization",
      "attributes": {
        "challenges": [
          {
            "type": "managed-dns",
            "record_type": "CNAME",
            "record_name": "ACME_CHALLENGE_HOSTNAME",
            "values": ["FASTLY_VALIDATION_HOSTNAME"]
          },
          {
            "type": "managed-http-cname",
            "record_type": "CNAME",
            "record_name": "DOMAIN_NAME",
            "values": ["FASTLY_CNAME"]
          },
          {
            "type": "managed-http-a",
            "record_type": "A",
            "record_name": "DOMAIN_NAME",
            "values": ["FASTLY_IP_ADDRESSES"]
          }
        ],
        "created_at": "2019-02-01T12:12:12.000Z",
        "state": "pending",
        "updated_at": "2019-02-01T12:12:12.000Z",
        "warnings": null
      }
    }
  ]
}
```
DELETE /tls/subscriptions/ \id\n
Destroy a TLS subscription. A subscription cannot be destroyed if there are domains in the TLS enabled state.

Authentication

API token with at least TLS management permissions.

Request Example

```
DELETE /tls/subscriptions/:id HTTP/1.1
Accept: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN
```

^

Response Example

```
HTTP/1.1 204 No Content
```

Platform TLS

Platform TLS

**IMPORTANT:** This information is part of a limited availability release. Portions of this API may be subject to changes and improvements over time. Fields marked deprecated may be removed in the future and their use is discouraged. For more information, see our product and feature lifecycle descriptions.

The Platform TLS Certificate Deployment Service is available to subscribers who have purchased the service.

Private Keys

A private key is used to sign a Certificate. A key can be used to sign multiple certificates.

**Fields**

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the private key was created. Read Only.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>A customizable name for your private key. Optional.</td>
</tr>
<tr>
<td>key</td>
<td>string</td>
<td>The contents of the private key. Must be a PEM-formatted key. Not returned in response body. Required.</td>
</tr>
<tr>
<td>key_length</td>
<td>integer</td>
<td>The key length used to generate the private key. Read Only.</td>
</tr>
<tr>
<td>key_type</td>
<td>string</td>
<td>The algorithm used to generate the private key. Must be RSA. Read Only.</td>
</tr>
<tr>
<td>replace</td>
<td>boolean</td>
<td>A recommendation from Fastly to replace this private key and all associated certificates. Read Only.</td>
</tr>
<tr>
<td>public_key_sha1</td>
<td>string</td>
<td>Useful for safely identifying the key. Read Only.</td>
</tr>
</tbody>
</table>

**Actions**

GET /tls/private_keys

List all TLS private keys.

Authentication

API token with at least TLS management permissions.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>filter[in_use]</td>
<td>string</td>
<td>Limit the returned keys to those without any matching TLS certificates. The only valid value is false.</td>
</tr>
<tr>
<td>page[number]</td>
<td>integer</td>
<td>The page index for pagination.</td>
</tr>
</tbody>
</table>
### GET /tls/private_keys

**Description:**
- **Parameter:** `pagetype` of type `integer`
- The number of keys per page.

#### Request Example

```
GET /tls/private_keys HTTP/1.1
Accept: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN
```

#### Response Example

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

{
  "data": [
    {
      "id": "PRIVATE_KEY_ID",
      "type": "tls_private_key",
      "attributes": {
        "key_length": 2048,
        "key_type": "RSA",
        "name": "My private key",
        "created_at": "2019-02-01T12:12:12.000Z",
        "replace": false,
        "public_key_sha1": "KEY_DIGEST"
      }
    }
  ],
  "meta": {
    "record_count": 1,
    "current_page": 1,
    "per_page": 20,
    "total_pages": 1
  }
}
```

### GET /tls/private_keys/id

**Description:**
- Show a TLS private key.

#### Authentication
- API token with at least TLS management permissions.

#### Request Example

```
GET /tls/private_keys/:id HTTP/1.1
Accept: application/vnd.api+json
Fastly-Key: YOUR_FASTLY_TOKEN
```

#### Response Example

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

{
  "data": {
    "id": "PRIVATE_KEY_ID",
    "type": "tls_private_key",
    "attributes": {
      "key_length": 2048,
      "key_type": "RSA",
      "name": "My private key",
      "created_at": "2019-02-01T12:12:12.000Z",
      "replace": false,
      "public_key_sha1": "KEY_DIGEST"
    }
  }
}
```

### POST /tls/private_keys

**Description:**
- Create a TLS private key.

#### Authentication
- API token with at least TLS management permissions.

#### Request Example

```
POST /tls/private_keys HTTP/1.1
Accept: application/vnd.api+json
```

**Note:** Further details and examples are available in the Fastly API documentation at [https://docs.fastly.com/api/aio](https://docs.fastly.com/api/aio).
<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>cert_blob</td>
<td>string</td>
<td>The PEM-formatted certificate blob. Required. Write Only.</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the certificate was created. Read Only.</td>
</tr>
<tr>
<td>intermediates_blob</td>
<td>string</td>
<td>The PEM-formatted chain of intermediate blobs. Required. Write Only.</td>
</tr>
<tr>
<td>not_after</td>
<td>string</td>
<td>Time-stamp (GMT) when the certificate will expire. Must be in the future to be used to terminate TLS traffic. Read Only.</td>
</tr>
</tbody>
</table>
### Field Descriptions

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>not_before</td>
<td>string</td>
<td>Time-stamp (GMT) when the certificate will become valid. Must be in the past to be used to terminate TLS traffic. Read Only.</td>
</tr>
<tr>
<td>replace</td>
<td>boolean</td>
<td>A recommendation from Fastly indicating the key associated with this certificate is in need of rotation. Read Only.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the certificate was last updated. Read Only.</td>
</tr>
<tr>
<td>tls_configurations.id</td>
<td>string</td>
<td>The identifier for the dedicated IP address pool that will be used to route traffic from the domain. Required.</td>
</tr>
<tr>
<td>tls_domains</td>
<td>array</td>
<td>All the domains (including wildcard domains) that are listed in any certificate's Subject Alternative Names (SAN) list. Read Only.</td>
</tr>
</tbody>
</table>

### Actions

**GET /tls/bulk/certificates**

List all certificates.

**Authentication**

API token with at least TLS management permissions.

#### Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>filter[[tls_domain.id] [match]]</td>
<td>string</td>
<td>Filter certificates by their matching, fully-qualified domain name. Returns all partial matches. Must provide a value longer than 3 characters.</td>
</tr>
<tr>
<td>page[number]</td>
<td>integer</td>
<td>The page index for pagination.</td>
</tr>
<tr>
<td>page[size]</td>
<td>integer</td>
<td>The number of certificates per page.</td>
</tr>
<tr>
<td>sort</td>
<td>string</td>
<td>The order in which to list certificates. Valid values are created_at, not_before, not_after. May precede any value with a - for descending.</td>
</tr>
</tbody>
</table>

#### Request Example

```
GET /tls/bulk/certificates HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

#### Response Example

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```
GET /tls/bulk/certificates/ id

Retrieve a single certificate.

Authentication
API token with at least TLS management permissions.

Request Example

GET /tls/bulk/certificates/:id HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json

Response Example

HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

{  
  "data": {  
    "id": "CERTIFICATE_ID",
    "type": "tls_bulk_certificate",
    "attributes": {  
      "not_after": "2019-06-06T18:14:32+00:00",
      "not_before": "2018-06-06T18:14:32+00:00",
      "created_at": "2018-06-06T18:14:32+00:00",
      "updated_at": "2018-06-06T18:14:32+00:00",
      "replace": false  
    },  
    "relationships": {  
      "tls_configurations": {  
        "data": [{  
          "type": "tls_configuration",
          "id": "TLS_CONFIGURATION_ID"
        }],  
      },  
      "tls_domains": {  
        "data": [{  
          "type": "tls_domain",
          "id": "DOMAIN_NAME"
        }],  
      }  
    }  
  }
}
POST /tls/bulk/certificates

Upload a new certificate. TLS domains are automatically enabled upon certificate creation. If a domain is already enabled on a previously uploaded certificate, that domain will be updated to use the new certificate for all future TLS handshake requests.

Authentication
API token with at least TLS management permissions.

Request Example

```plaintext
POST /tls/bulk/certificates HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json

{
  "data": {
    "type": "tls_bulk_certificate",
    "attributes": {
      "cert_blob": "-----BEGIN CERTIFICATE-----\n...\n-----END CERTIFICATE-----\n",
      "intermediates_blob": "-----BEGIN CERTIFICATE-----\n...\n-----END CERTIFICATE-----\n"
    },
    "relationships": {
      "tls_configurations": {
        "data": [{
          "type": "tls_configuration",
          "id": "TLS_CONFIGURATION_ID"
        }]
      }
    }
  }
}
```

Response Example

```
HTTP/1.1 201 Created
Content-Type: application/vnd.api+json

{
  "data": {
    "id": "CERTIFICATE_ID",
    "type": "tls_bulk_certificate",
    "attributes": {
      "not_after": "2019-06-06T18:14:32+00:00",
      "not_before": "2018-06-06T18:14:32+00:00",
      "created_at": "2018-06-06T18:14:32+00:00",
      "updated_at": "2018-06-06T18:14:32+00:00",
      "replace": false
    },
    "relationships": {
      "tls_configurations": {
        "data": [{
          "type": "tls_configuration",
          "id": "TLS_CONFIGURATION_ID"
        }]
      },
      "tls_domains": {
        "data": [{
          "type": "tls_domain",
          "id": "DOMAIN_NAME"
        }]
      }
    }
  }
}
```

PATCH /tls/bulk/certificates/ id

Replace a certificate with a newly reissued certificate. By using this endpoint, the original certificate will cease to be used for future TLS handshakes. Thus, only SAN entries that appear in the replacement certificate will become TLS enabled. Any SAN entries that are missing in the replacement certificate will become disabled.

Authentication
API token with at least TLS management permissions.

Request Example
DELETE /tls/bulk/certificates/:id HTTP/1.1

Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json

{  'data': {    'id': 'CERTIFICATE_ID',    'type': 'tls_bulk_certificate',    'attributes': {      'cert_blob': '-----BEGIN CERTIFICATE-----
...
-----END CERTIFICATE-----
',      'intermediates_blob': '-----BEGIN CERTIFICATE-----
...
-----END CERTIFICATE-----
    }  }  }

▼ Response Example

HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

{  'data': {    'id': 'CERTIFICATE_ID',    'type': 'tls_bulk_certificate',    'attributes': {      'not_after': '2019-06-06T18:14:32+00:00',      'not_before': '2018-06-06T18:14:32+00:00',      'created_at': '2018-06-06T18:14:32+00:00',      'updated_at': '2018-06-06T18:14:32+00:00',      'replace': false    },    'relationships': {      'tls_configurations': {        'data': [{          'type': 'tls_configuration',          'id': 'TLS_CONFIGURATION_ID'        }]      },      'tls_domains': {        'data': [{          'type': 'tls_domain',          'id': 'DOMAIN_NAME'        }]      }    }  }

DELETE /tls/bulk/certificates/id

Destroy a certificate. This disables TLS for all domains listed as SAN entries.

Authentication

API token with at least TLS management permissions.

Request Example

DELETE /tls/bulk/certificates/CERTIFICATE_ID HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json

▼ Response Example

HTTP/1.1 204 No Content

Limitations and conditions

The Platform TLS Certificate Deployment Service has the following general limitations:

- This service is not available for private CDN deployments.
- To take advantage of this service, you must procure your own certificates from the certification authority (CA) of your choice. Fastly will not procure certificates on your behalf.
In addition, certificates are deployed using the Platform TLS Certificate Service with the following conditions:

- Certificates hosted using SNI will only be served to browsers that support SNI. Browsers that do not support SNI will not receive the correct certificate for the domain requested.
- The certificate deployment process takes an average of approximately 20 minutes to complete once a certificate is submitted, but may take as long as an hour.
- Fastly will automatically choose the certificate delivered for a given request based on the host requested.
- The certificate with the most specific hostname will be prioritized over certificates with less specific hostnames. For example, on a request for `api.example.com`, Fastly will prioritize a certificate with a SAN entry for `api.example.com` over a different certificate with a SAN entry for `*.example.com`.
- If an identical hostname appears on more than one certificate, then the most recently uploaded certificate will be used. We recommend that you manage certificates such that hostnames remain unique for them.

## Utilities

### Content

Fastly makes it possible to see which version of a particular URL is cached on each edge server.

### Actions

**GET /content/edge_check**

Retrieve headers and MD5 hash of the content for a particular URL from each Fastly edge server. This API is limited to 200 requests per hour.

**Authentication**

An **API token** of a user with at least [Engineer permissions](https://docs.fastly.com/api/user-permissions). This endpoint does not accept a token with the [global:read](https://docs.fastly.com/api/user-permissions) scope.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>url</td>
<td>string</td>
<td>Full URL (host and path) to check on all nodes. If protocol is omitted, http will be assumed</td>
</tr>
</tbody>
</table>

**Request Example**

```
GET /content/edge_check?url=www.example.com/foo/bar HTTP/1.1
Accept: application/json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json
```
Datacenter

List Fastly datacenters and their locations.

Actions

GET /datacenters

Get a list of all Fastly datacenters.

Authentication

API token.

Request Example

```
GET /datacenters HTTP/1.1
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json
```
[{
   "code": "AMS",
   "coordinates": {
      "latitude": 52.3081,
      "longitude": 4.7642,
      "x": 129,
      "y": 42
   },
   "group": "Europe",
   "name": "Amsterdam",
   "shield": "amsterdam-nl"
}]

Docs
Documentation of the endpoints that return the Fastly API Documentation.

Actions
GET /docs

Gets all documentation associated with the Fastly API.

Authentication
None.

Request Example
GET /docs HTTP/1.1

Response Example
HTTP/1.1 200 OK
Content-Type: application/json
```json
{
  "actions": [
    {
      "authentication": "engineer",
      "description": "List all backends for a particular service and version."
    },
    {
      "http_method": "GET",
      "request": {
        "GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/backend",
        "Fastly-Key: YOUR_FASTLY_TOKEN",
        "Accept: application/json"
      },
      "response": {
        "HTTP/1.1 200 OK",
        "Content-Type: application/json"
      },
      "response_body": {
        "
        "
        "address": "127.0.0.1",
        "auto_loadbalance": false,
        "between_bytes_timeout": 10000,
        "client_cert": null,
        "comment": "",
        "connect_timeout": 1000,
        "first_byte_timeout": 15000,
        "healthcheck": null,
        "hostname": null,
        "ipv4": "127.0.0.1",
        "ipv6": null,
        "locked": true,
        "max_conn": 200,
        "max_tls_version": null,
        "min_tls_version": null,
        "name": "backend-name",
        "port": 80,
        "request_condition": "",
        "service_id": "SU1Z0isxPaozGVKXdv0eY",
        "shield": null,
        "ssl_ca_cert": null,
        "ssl_cert_hostname": null,
        "ssl_check_cert": true,
        "ssl_ciphers": null,
        "ssl_client_cert": null,
        "ssl_client_key": null,
        "ssl_hostname": null,
        "ssl_sni_hostname": null,
        "use_ssl": false,
        "version": 1,
        "weight": 100
      }
    }
  ],
  "url": "/service/:service_id/version/:version/backend"
},
{
  "description": "A backend is an address (IP or domain) from which Fastly pulls content. There can be multiple backends for a service."
},
{
  "fields": [
    "address String. An hostname, IPv4, or IPv6 address for the backend.",
    "auto_loadbalance Boolean. Whether or not this backend should be automatically load balanced."
  ]
}
```

A backend is an address (IP or domain) from which Fastly pulls content. There can be multiple backends for a service.
meaning no origin shielding if not set. Refer to the [datacenters API endpoint](https://docs.fastly.com/api/tools#datacenter) to get a list of available POPs used for shielding.

- `ssl_ca_cert` String. CA certificate attached to origin.
- `ssl_cert_hostname` String. Overrides `ssl_hostname`, but only for cert verification. Does not affect SNI at all.
- `ssl_check_cert` Boolean. Be strict on checking SSL certs.
- `ssl_ciphers` String. List of openssl ciphers (see [https://www.openssl.org/docs/manmaster/apps/ciphers.html](https://www.openssl.org/docs/manmaster/apps/ciphers.html) for details).
- `ssl_client_cert` String. Client certificate attached to origin.
- `ssl_client_key` String. Client key attached to origin.
- `ssl_hostname` String. Used for both SNI during the TLS handshake and to validate the cert.
- `ssl_sni_hostname` String. Overrides `ssl_hostname`, but only for SNI in the handshake. Does not affect cert validation at all.
- `use_ssl` Boolean. Whether or not to use SSL to reach the backend.
- `version` Integer. The current version number of a service.
- `weight` Integer. Weight used to load balance this backend against others.

GET /docs/subject/ endpoint

Gets all documentation relating to a given `Subject`

**Authentication**

None.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>subject</td>
<td>string</td>
<td>The subject to search for.</td>
</tr>
</tbody>
</table>

**Request Example**

GET /docs/subject/backend HTTP/1.1

**Response Example**

HTTP/1.1 200 OK
Content-Type: application/json
A backend is an address (IP or domain) from which Fastly pulls content. There can be multiple backends for a service.

```
{ "actions": [],
  "authentication": "engineer",
  "description": "List all backends for a particular service and version."
},
"http_method": "GET",
"request": {
  "GET /service/:service_id/version/:version/backend",
  "Fastly-Key: YOUR_FASTLY_TOKEN",
  "Accept: application/json"
},
"response": {
  "HTTP/1.1 200 OK",
  "Content-Type: application/json"
},
"response_body": {
  "[{
    "address": "127.0.0.1",
    "auto_loadbalance": false,
    "between_bytes_timeout": 10000,
    "client_cert": null,
    "comment": "",
    "connect_timeout": 1000,
    "first_byte_timeout": 15000,
    "healthcheck": null,
    "hostname": null,
    "ipv4": "127.0.0.1",
    "ipv6": null,
    "locked": true,
    "max_conn": 200,
    "max_tls_version": null,
    "min_tls_version": null,
    "name": "Backend-name",
    "port": 80,
    "request_condition": "",
    "service_id": "SU1Z0isxPaozGVXKxdV0eY",
    "shield": null,
    "ssl_ca_cert": null,
    "ssl_cert_hostname": null,
    "ssl_check_cert": true,
    "ssl_ciphers": null,
    "ssl_client_cert": null,
    "ssl_client_key": null,
    "ssl_hostname": null,
    "ssl_sni_hostname": null,
    "ssl_client_key": false,
    "version": 1,
    "weight": 100
  }]
},
"url": "/service/:service_id/version/:version/backend"
}
```

"fields": {
  "address" String. An hostname, IPv4, or IPv6 address for the backend.
  "auto_loadbalance" Boolean. Whether or not this backend should be automatically load balanced.
  "between_bytes_timeout" Integer. How long to wait between bytes in milliseconds.
  "client_cert" String.
  "comment" String.
  "connect_timeout" Integer. How long to wait for a timeout in milliseconds.
  "first_byte_timeout" Integer. How long to wait for the first bytes in milliseconds.
  "healthcheck" String. The name of the healthcheck to use with this backend. Can be empty.
  "hostname" String. The hostname of the backend.
  "ipv4" String. IPv4 address of the host.
  "ipv6" String. IPv6 address of the host.
  "locked" Boolean. Specifies whether or not the version is locked for editing.
  "max_conn" Integer. Maximum number of connections.
  "max_tls_version" Integer. Maximum allowed TLS version on SSL connections to this backend.
  "min_tls_version" Integer. Minimum allowed TLS version on SSL connections to this backend.
  "name" String. The name of the backend.
  "port" Integer. The port number.
  "request_condition" String. Condition, which if met, will select this backend during a request.
  "service_id" String. The alphanumeric string identifying a service.
  "shield" String. Selected POP to serve as a shield for the backend. Optional. Defaults to <code>null</code> meaning no origin shielding if not set. Refer to the [datacenters API endpoint](/api/tools#datacenter) to get a list
GET /docs/section/section

Gets all documentation associated with a given Categorical Section where :section is a regular_expression. passing invert=true will force a return of everything that does not match the given regular_expression.

Authentication
None.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>section</td>
<td>string</td>
<td>The subject to search for.</td>
</tr>
<tr>
<td>invert</td>
<td>boolean</td>
<td>Get everything that does not match section</td>
</tr>
</tbody>
</table>

Request Example

GET /docs/section/backend HTTP/1.1

Response Example

HTTP/1.1 200 OK
Content-Type: application/json
A backend is an address (IP or domain) from which Fastly pulls content. There can be multiple backends for a service.

**Example:**

```json
{
  "actions": [
    {
      "authentication": "engineer",
      "description": "List all backends for a particular service and version."
    },
    {
      "http_method": "GET",
      "request": {
        "GET /service/SU1Z0isxPaozGVXdxVoY/version/1/backend",
        "Falsely-Key: YOUR_FASTLY_TOKEN",
        "Accept: application/json"
      },
      "response": {
        "HTTP/1.1 200 OK",
        "Content-Type: application/json"
      },
      "response_body": {
        "address": "127.0.0.1",
        "auto_loadbalance": false,
        "between_bytes_timeout": 10000,
        "client_cert": null,
        "comment": "",
        "connect_timeout": 1000,
        "first_byte_timeout": 15000,
        "healthcheck": null,
        "hostname": null,
        "ipv4": "127.0.0.1",
        "ipv6": null,
        "locked": true,
        "max_conn": 200,
        "max_tls_version": null,
        "min_tls_version": null,
        "name": "backend-name",
        "port": 80,
        "request_condition": "\"",
        "service_id": "SU1Z0isxPaozGVXdxVoY",
        "shield": null,
        "ssl_ca_cert": null,
        "ssl_cert_hostname": null,
        "ssl_check_cert": true,
        "ssl_ciphers": null,
        "ssl_client_cert": null,
        "ssl_client_key": null,
        "ssl_hostname": null,
        "ssl_sni_hostname": null,
        "ssl_client_key": null,
        "ssl_check_cert": true,
        "ssl_cipher": null,
        "ssl_ca_cert": null,
        "ssl_certificate": null,
        "ssl_certificate_file": null,
        "ssl_cipher": null,
        "ssl_cipher": null,
        "ssl_cipher": null,
        "ssl_cipher": null,
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        "ssl_cipher": null,
        "ssl_cipher": null,
        "ssl_cipher": null,
        "ssl_cipher": null,
        "ssl_cipher": null,
        "ssl_cipher": null,
        "ssl_cipher": null, meaning no origin shielding if not set. Refer to the [datacenters API endpoint](/api/tools#datacenter) to get a list
of available POPs used for shielding.

- `ssl_ca_cert` String. CA certificate attached to origin.
- `ssl_cert_hostname` String. Overrides `ssl_hostname`, but only for cert verification. Does not affect SNI at all.
- `ssl_check_cert` Boolean. Be strict on checking SSL certs.
- `ssl_client_cert` String. Client certificate attached to origin.
- `ssl_client_key` String. Client key attached to origin.
- `ssl_hostname` String. Used for both SNI during the TLS handshake and to validate the cert.
- `ssl_sni_hostname` String. Overrides `ssl_hostname`, but only for SNI in the handshake. Does not affect cert validation at all.
- `use_ssl` Boolean. Whether or not to use SSL to reach the backend.
- `version` Integer. The current version number of a service.
- `weight` Integer. Weight used to load balance this backend against others.

```
section: "backend"
```

## Public IP List

To help you manage firewall rules for connections from Fastly to your origin, we provide access to the list of Fastly’s assigned IP ranges. Changes to this list will be announced in advance as an “IP address announcement” (example) along with other service announcements to our status page, which you can subscribe to.

### Actions

**GET /public-ip-list**

List the public IP addresses for the Fastly network.

### Authentication

None.

### Request Example

```bash
GET /public-ip-list HTTP/1.1
Accept: application/json
```

### Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "addresses": [
    "23.235.32.0/20",
    "43.249.72.0/22",
    "103.244.50.0/24",
    "103.245.222.0/23",
    "103.245.224.0/24",
    "104.156.80.0/20",
    "151.101.0.0/16",
    "157.52.64.0/18",
    "172.111.64.0/18",
    "185.31.16.0/22",
    "199.27.72.0/21",
    "199.232.0.0/16"
  ],
  "ipv6_addresses": [
    "2a04:4e40::/32",
    "2a04:4e42::/32"
  ]
}
```

## WAF

### Web Application Firewall (WAF) Configuration Set

Fastly offers a Web Application Firewall (WAF) security product that allows you to detect malicious request traffic and log or log and block that traffic before it reaches your web application. The Fastly WAF provides rules that detect and block potential attacks. The rules are collected into a policy and deployed within your Fastly service at the edge.
Firewall

Firewall object used when configuring WAF.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>last_push</td>
<td>string</td>
<td>Date and time that VCL was last pushed to cache nodes.</td>
</tr>
<tr>
<td>prefetch_condition</td>
<td>string</td>
<td>Name of the corresponding condition object.</td>
</tr>
<tr>
<td>response</td>
<td>string</td>
<td>Name of the corresponding response object.</td>
</tr>
<tr>
<td>version</td>
<td>string</td>
<td>The current version number of a service.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The service ID.</td>
</tr>
<tr>
<td>disabled</td>
<td>boolean</td>
<td>The status of the firewall. Defaults to false.</td>
</tr>
<tr>
<td>rule_statuses_log_count</td>
<td>integer</td>
<td>The number of rule statuses set to log.</td>
</tr>
<tr>
<td>rule_statuses_block_count</td>
<td>integer</td>
<td>The number of rule statuses set to block.</td>
</tr>
<tr>
<td>rule_statuses_disabled_count</td>
<td>integer</td>
<td>The number of rule statuses set to disabled.</td>
</tr>
</tbody>
</table>

Actions

**GET /service/ service_id /version/ version /wafs**

List all firewall objects for a particular service and version.

Authentication

API token.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>page[size]</td>
<td>integer</td>
<td>Limit the number of returned firewalls.</td>
</tr>
<tr>
<td>page[number]</td>
<td>integer</td>
<td>Request a specific page of firewalls.</td>
</tr>
<tr>
<td>include</td>
<td>string</td>
<td>Include relationships. Optional, comma separated values. Permitted values: configuration_set,owasp.</td>
</tr>
</tbody>
</table>

Request Example

```plaintext
GET /service/:service_id/version/:version/wafs HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

Response Example

```plaintext
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```
GET /service/:service_id/version/:version/wafs/:waf_id

Get a specific firewall object.

Authentication
API token.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>service_id</td>
<td>string</td>
<td>The ID of the service.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The number of the version.</td>
</tr>
<tr>
<td>waf_id</td>
<td>string</td>
<td>The firewall ID.</td>
</tr>
</tbody>
</table>

Request Example

GET /service/:service_id/version/:version/wafs/:waf_id HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json

Response Example

HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
POST /service/:service_id/version/:version/wafs

Create a firewall object for a particular service and version.

Authentication

API token of a user with at least Engineer permissions.

Request Example

```
POST /service/:service_id/version/:version/wafs HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json
```

```
{
  "data": {
    "type": "waf",
    "attributes": {
      "prefetch_condition": "WAF-Condition",
      "response": "WAF_Error"
    }
  }
}
```

Response Example

```
HTTP/1.1 201 Created
Content-Type: application/vnd.api+json
```
PATCH /service/:service_id/version/:version/wafs/:waf_id

Update a firewall object for a particular service and version.

Authentication

API token of a user with at least **Engineer permissions**.

Request Example

```
PATCH /service/:service_id/version/:version/wafs/:waf_id HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json
```

```
{
  "data": {
    "id": "WAF_ID",
    "type": "waf",
    "attributes": {
      "last_push": null,
      "prefetch_condition": "WAF-Condition",
      "response": "WAF_Error",
      "version": "1",
      "service_id": "SERVICE_ID",
      "disabled": false,
      "rule_statuses_log_count": 235,
      "rule_statuses_block_count": 34,
      "rule_statuses_disabled_count": 2
    },
    "relationships": {
      "configuration_set": {
        "data": {
          "id": "CONFIGURATION_SET_ID",
          "type": "configuration_set"
        }
      }
    }
  }
}
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```
PATCH /wafs/:id/disable

Disable a firewall for a particular service and version. This endpoint is intended to be used in an emergency. Disabling a firewall object for a specific service and version replaces your existing WAF ruleset with an empty ruleset. While disabled, your WAF ruleset will not be applied to your origin traffic. This endpoint is only available to users assigned the role of superuser or above. This is an asynchronous action. To check on the completion of this action, use the related link returned in the response to check on the Update Status of the action.

Authentication
API token with at least [superuser permissions](https://docs.fastly.com/api/aio).

Request Example

```
PATCH /wafs/:id/disable HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json

{
  "data": {
    "id": "WAF_ID",
    "type": "waf",
    "attributes": {
      "last_push": null,
      "prefetch_condition": "WAF-Condition",
      "response": "new response",
      "version": "1",
      "service_id": "SERVICE_ID",
      "disabled": false,
      "rule_statuses_log_count": 235,
      "rule_statuses_block_count": 34,
      "rule_statuses_disabled_count": 2
    },
    "relationships": {
      "configuration_set": {
        "data": {
          "id": "CONFIGURATION_SET_ID",
          "type": "configuration_set"
        }
      }
    }
  }
}
```

Response Example

```
HTTP/1.1 202 Accepted
Content-Type: application/vnd.api+json
```
PATCH /wafs/:id/enable

Re-enable a firewall object for a particular service and version after it has been disabled. This endpoint is intended to be used in an emergency. When a firewall object is re-enabled, a newly generated WAF ruleset VCL based on the current WAF configuration is used to replace the empty ruleset. This endpoint is only available to users assigned the role of superuser or above. This is an asynchronous action. To check on the completion of this action, use the related link returned in the response to check on the Update Status of the action.

Authentication

**API token** with at least **Superuser permissions**.

Request Example

```
PATCH /wafs/:id/enable HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json

{
  "data": {
    "id": "WAF_ID",
    "type": "waf"
  }
}
```

Response Example

```
HTTP/1.1 202 Accepted
Content-Type: application/vnd.api+json
```
GET /wafs

List all active firewall objects.

**Authentication**

API token.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>filter[rules]</td>
<td>integer</td>
<td>Limit the returned firewalls to a specific rule ID.</td>
</tr>
<tr>
<td>[rule_id]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>page[size]</td>
<td>integer</td>
<td>Limit the number of returned firewalls.</td>
</tr>
<tr>
<td>page[number]</td>
<td>integer</td>
<td>Request a specific page of firewalls.</td>
</tr>
<tr>
<td>include</td>
<td>string</td>
<td>Include relationships. Optional, comma separated values. Permitted values: configuration_set,owasp.</td>
</tr>
</tbody>
</table>

**Request Example**

```
GET /wafs HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```
GET /wafs/:id

Get a specific firewall object.

Authentication
API token.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>include</td>
<td>string</td>
<td>Include relationships. Optional, comma separated values. Permitted values: configuration_set,owasp,rules,rule_statuses.</td>
</tr>
</tbody>
</table>

Request Example

GET /wafs/:id HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json

▼ Response Example

HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
OWASP

OWASP settings object used when configuring WAF.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>allowed_http_versions</td>
<td>string</td>
<td>Allowed HTTP versions (default HTTP/1.0 HTTP/1.1 HTTP/2).</td>
</tr>
<tr>
<td>allowed_methods</td>
<td>string</td>
<td>A space-separated list of HTTP method names (default GET HEAD POST OPTIONS PUT PATCH DELETE).</td>
</tr>
<tr>
<td>allowed_request_content_type</td>
<td>string</td>
<td>Allowed request content types (default application/x-www-form-urlencoded</td>
</tr>
<tr>
<td>arg_length</td>
<td>integer</td>
<td>The maximum number of arguments allowed (default 400).</td>
</tr>
<tr>
<td>arg_name_length</td>
<td>integer</td>
<td>The maximum allowed argument name length (default 100).</td>
</tr>
<tr>
<td>combined_file_sizes</td>
<td>integer</td>
<td>The maximum allowed size of all files (in bytes, default 10000000).</td>
</tr>
<tr>
<td>created_at</td>
<td>string</td>
<td>Date and time that the settings object was created.</td>
</tr>
<tr>
<td>critical_anomaly_score</td>
<td>integer</td>
<td>Score value to add for critical anomalies (default 6).</td>
</tr>
<tr>
<td>crs_validate_utf8_encoding</td>
<td>boolean</td>
<td>CRS validate UTF8 encoding.</td>
</tr>
<tr>
<td>error_anomaly_score</td>
<td>integer</td>
<td>Score value to add for error anomalies (default 5).</td>
</tr>
<tr>
<td>high_risk_country_codes</td>
<td>string</td>
<td>A space-separated list of country codes in ISO 3166-1 (two-letter) format.</td>
</tr>
<tr>
<td>httpViolation_score_threshold</td>
<td>integer</td>
<td>HTTP violation threshold.</td>
</tr>
<tr>
<td>inbound_anomaly_score_threshold</td>
<td>integer</td>
<td>Inbound anomaly threshold.</td>
</tr>
<tr>
<td>lfi_score_threshold</td>
<td>integer</td>
<td>Local file inclusion attack threshold.</td>
</tr>
<tr>
<td>max_file_size</td>
<td>integer</td>
<td>The maximum allowed file size (in bytes, default 10000000).</td>
</tr>
<tr>
<td>max_num_args</td>
<td>integer</td>
<td>The maximum number of arguments allowed (default 255).</td>
</tr>
</tbody>
</table>
## GET

**注意异常得分**

类型: integer

描述: Score value to add for notice anomalies (default: 4).

**猜疑级别**

类型: integer

描述: The configured paranoia level (default: 1).

**PHP注入阈值**

类型: integer

描述: PHP injection threshold.

**远程代码执行阈值**

类型: integer

描述: Remote code execution threshold.

**限制的文件扩展名**

类型: string


**限制的头部**

类型: string

描述: A space-separated list of allowed header names (default: /proxy/./lock-token/./content-range/./translate/./if/).

**远程文件包含阈值**

类型: integer

描述: Remote file inclusion attack threshold.

**会话固定异常阈值**

类型: integer

描述: Session fixation attack threshold.

**SQL注入阈值**

类型: integer

描述: SQL injection attack threshold.

**总参数长度**

类型: integer

描述: The maximum size of argument names and values (default: 6400).

**更新时间**

类型: string

描述: Date and time that the settings object was last updated.

**警告异常得分**

类型: integer

描述: Score value to add for warning anomalies.

**XSS阈值**

类型: integer

描述: XSS attack threshold.

### Actions

**GET** /service/**service_id*/wafs/**waf_id*/owasp

Get the OWASP settings object for a particular service and firewall.

**Authentication**

API token.

**Request Example**

```bash
GET /service/**service_id*/wafs/**waf_id*/owasp HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```
POST /service/service_id/wafs/waf_id/owasp

Create an OWASP settings object for a particular service and firewall.

Authentication

**API token** of a user with at least [Engineer permissions](https://docs.fastly.com/api/permissions#engineer).

Request Example

```
POST /service/service_id/wafs/waf_id/owasp HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json

{
  "data": {
    "id": "OWASP_ID",
    "type": "owasp",
    "attributes": {
      "allowed_http_versions": "HTTP/1.0 HTTP/1.1 HTTP/2",
      "allowed_methods": "GET HEAD POST OPTIONS PUT PATCH DELETE",
      "allowed_request_content_type": "application/x-www-form-urlencoded\multipart/form-data|text/xml\application/xml\application/x-amf|application/json\text/plain",
      "arg_length": 400,
      "arg_name_length": 100,
      "combined_file_sizes": 10000000,
      "created_at": "2016-09-09 16:00:17 UTC",
      "critical_anomaly_score": 6,
      "crs_validate_utf8_encoding": false,
      "error_anomaly_score": 5,
      "high_risk_country_codes": null,
      "http_violation_score_threshold": 999,
      "inbound_anomaly_score_threshold": 999,
      "ifi_score_threshold": 999,
      "max_file_size": 10000000,
      "max_num_args": null,
      "notice_anomaly_score": 4,
      "paranoia_level": 1,
      "php_injection_score_threshold": 999,
      "rfi_score_threshold": 999,
      "session_fixation_score_threshold": 999,
      "sqlInjection_score_threshold": 999,
      "total_arg_length": 6400,
      "updated_at": "2016-09-09 16:00:17 UTC",
      "warning_anomaly_score": 3,
      "xss_score_threshold": 999
    },
    "relationships": {
      "waf": {
        "data": {
          "type": "waf",
          "id": "WAF_ID"
        }
      }
    }
  }
}
```

Response Example

```
HTTP/1.1 201 Created
Content-Type: application/vnd.api+json
```
PATCH /service/:service_id/wafs/:waf_id/owasp

Update the OWASP settings object for a particular service and firewall.

**Authentication**

**API token** of a user with at least **Engineer permissions**.

**Request Example**

```
PATCH /service/:service_id/wafs/:waf_id/owasp HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json

{ 
  "data": { 
    "id": "OWASP_ID",
    "type": "owasp",
    "attributes": { 
      "allowed_http_versions": "HTTP/1.0 HTTP/1.1 HTTP/2",
      "allowed_methods": "GET HEAD POST OPTIONS PUT PATCH DELETE",
      "allowed_request_content_type": "application/x-www-form-urlencoded|multipart/form-data|text/xml|application/xml|application/x-amf|application/json|text/plain",
      "arg_length": 400,
      "arg_name_length": 100,
      "combined_file_sizes": 10000000,
      "created_at": "2016-09-09 16:00:17 UTC",
      "critical_anomaly_score": 6,
      "crs_validate_utf8_encoding": false,
      "error_anomaly_score": 5,
      "high_risk_country_codes": null,
      "http_violation_score_threshold": 999,
      "inbound_anomaly_score_threshold": 999,
      "ifi_score_threshold": 999,
      "max_file_size": 10000000,
      "max_num_args": null,
      "notice_anomaly_score": 4,
      "paranoia_level": 1,
      "php_injection_score_threshold": 999,
      "rce_score_threshold": 999,
      "restricted_headers": "/proxy/ /lock-token/ /content-range/ /translate/ /if/",
      "rfi_score_threshold": 999,
      "session_fixation_score_threshold": 999,
      "sql_injection_score_threshold": 999,
      "total_arg_length": 6400,
      "updated_at": "2016-09-09 16:00:17 UTC",
      "warning_anomaly_score": 3,
      "xss_score_threshold": 999
    },
    "relationships": { 
      "waf": { 
        "data": { 
          "type": "waf",
          "id": "WAF_ID"
        }
      }
    }
  }
}
```

**Response Example**

```
HTTP/1.1 200 OK 
Content-Type: application/vnd.api+json
```
GET { "data": { "id": "OWASP_ID", "type": "owasp", "attributes": { "allowed_http_versions": "HTTP/1.0 HTTP/1.1 HTTP/2", "allowed_methods": "GET HEAD POST OPTIONS PUT PATCH DELETE", "allowed_request_content_type": "application/x-www-form-urlencoded multipart/form-data|text/xml|application/vnd-amf|application/json|text/plain", "arg_length": 400, "arg_name_length": 100, "combined_file_sizes": 10000000, "created_at": "2016-09-09 16:00:17 UTC", "critical_anomaly_score": 6, "crs_validate_utf8_encoding": false, "error_anomaly_score": 5, "high_risk_country_codes": null, "http_violation_score_threshold": 999, "inbound_anomaly_score_threshold": 999, "lfi_score_threshold": 999, "max_file_size": 10000000, "max_num_args": null, "notice_anomaly_score": 4, "paranoia_level": 1, "php_injection_score_threshold": 999, "rce_score_threshold": 999, "restricted_extensions": ".asa/ .asax/ .ascx/ .axd/ .backup/ .bak/ .bat/ .cdx/ .cer/ .cfg/ .cmd/ .com/ .config/ .conf/ .cs/ .csproj/ .csr/ .dat/ .db/ .dbf/ .dll/ .dos/ .htr/ .htw/ .ida/ .idc/ .idq/ .inc/ .ini/ .key/ .licx/ .lnk/ .log/ .mdb/ .old/ .pass/ .pdb/ .pol/ .printer/ .pwd/ .resources/ .resx/ .sql/ .sys/ .vb/ .vbs/ .vbproj/ .vsdisco/ .webinfo/ .xad/ .xss/", "restricted_headers": "/proxy/ /lock-token/ /content-range/ /translate/ /if/", "rfi_score_threshold": 999, "session_fixation_score_threshold": 999, "sql_injection_score_threshold": 999, "total_arg_length": 6400, "updated_at": "2016-09-09 16:00:17 UTC", "warning_anomaly_score": 3, "xss_score_threshold": 999 }, "relationships": { "waf": { "data": { "type": "waf", "id": "WAF_ID" } } } } }

Rules
Rules used when configuring WAF.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>message</td>
<td>string</td>
<td>Message metadata for the rule.</td>
</tr>
<tr>
<td>rule_id</td>
<td>string</td>
<td>Corresponding ModSecurity rule ID.</td>
</tr>
<tr>
<td>severity</td>
<td>integer</td>
<td>Severity metadata for the rule.</td>
</tr>
<tr>
<td>source</td>
<td>string</td>
<td>The ModSecurity rule logic.</td>
</tr>
<tr>
<td>vcl</td>
<td>string</td>
<td>The VCL representation of the rule logic.</td>
</tr>
</tbody>
</table>

Actions

GET /wafs/rules

List all rules in the latest configuration set.

Authentication

API token.
### GET Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>filter[rule_id]</td>
<td>string</td>
<td>Limit the returned rules to a specific rule ID.</td>
</tr>
<tr>
<td>filter[severity]</td>
<td>string</td>
<td>Limit the returned rules to a specific severity.</td>
</tr>
<tr>
<td>filter[tags][name]</td>
<td>string</td>
<td>Limit the returned rules to a set linked to a tag by name.</td>
</tr>
<tr>
<td>filter[configuration_set_id]</td>
<td>string</td>
<td>Optional. Limit rules to specific configuration set or pass &quot;all&quot; to search all configuration sets, including stale ones.</td>
</tr>
<tr>
<td>page[size]</td>
<td>integer</td>
<td>Limit the number of returned tags.</td>
</tr>
<tr>
<td>page[number]</td>
<td>integer</td>
<td>Request a specific page of tags.</td>
</tr>
<tr>
<td>include</td>
<td>array</td>
<td>Include relationships. Optional. Comma separated values. Permitted values: tags, rule_statuses, and source.</td>
</tr>
</tbody>
</table>

#### Request Example

```
GET /wafs/rules HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

#### Response Example

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

{
   "data": [
      {
         "type": "rule",
         "id": "RULE_ID",
         "attributes": {
            "rule_id": "MODSEC_RULE_ID",
            "severity": 2,
            "message": "Cross-site Scripting (XSS) Anomaly Threshold Exceeded (XSS Score: %(TX.XSS_SCORE))"
         },
         "source": null,
         "vcl": null,
      }
   ],
   "links": {
   }
}
```

### GET /wafs/rules/:id

**Get a specific rule.**

**Authentication**

API token.

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>filter[configuration_set_id]</td>
<td>string</td>
<td>Optional. Limit rule to a specific configuration set or pass &quot;all&quot; to search all configuration sets, including stale ones.</td>
</tr>
<tr>
<td>include</td>
<td>array</td>
<td>Include relationships. Optional. Comma separated values. Permitted values: tags, rule_statuses, source, and vcl.</td>
</tr>
</tbody>
</table>

#### Request Example

```
GET /wafs/rules/:id?include=tags HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```
### GET /wafs/rules/:id/vcl

Get associated VCL for a specific rule.

**Authentication**

API token.

**Request Example**

```plaintext
GET /wafs/rules/:id/vcl HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

### Response Example

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

{
    "data": {
        "id": "RULE_ID-vcl",
        "type": "rule_vcl",
        "attributes": {
            "vcl": "sub waf_ruleset {
            \n            declare local var.postbody STRING;
            \n            set var.postbody = req.postbody;
            \n            workspace.snapshot;
            \n            set waf.rule_id = 943011;
            \n            call waf_debug_log;
            \n            workspace.restore;
            \n            goto WAF_MARKER_0;
            \n            workspace.restore;
            \n            if (waf.blocked || waf.logged) {
                \n                return;
            }\n        }
    },
    "relationships": {
        "rule": {
            "data": {
                "id": "RULE_ID",
                "type": "rule"
            }
        }
    }
}
```

### GET /wafs/waf_id/rules/rule_id/vcl

Get associated VCL for a specific rule associated with a specific firewall.

**Authentication**

API token.

**Request Example**
GET /wafs/waf_id/rules/:rule_id/vcl HTTP/1.1

Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json

Response Example

HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

{
    "data": {
        "id": "RULE_ID-WAF_ID-vcl",
        "type": "rule_vcl",
        "attributes": {
            "vcl": "/*
This is a report of changes to the rules you have configured when generating VCL. Rules may be edited or removed depending on the configuration of your WAF.
ParanoiaFilter:
943011: removed due to being above paranoia level 1
* * * * * 
sub waf_ruleset {
    declare local var.postbody STRING;
    set var.postbody = req.postbody;
    if (waf.blocked || waf.logged) {
        return;
    }
}

sub waf_ruleset {
    declare local var.postbody STRING;
    set var.postbody = req.postbody;
    if (waf.blocked || waf.logged) {
        return;
    }
}

Rule statuses

A Rule status represents the status of a particular rule for a given firewall. For a rule to be attached to a particular firewall and performing any actions, a rule status must exist.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>status</td>
<td>string</td>
<td>Describes the behavior for the particular rule within this firewall. Permitted values: log, block, and disabled.</td>
</tr>
<tr>
<td>modsec_rule_id</td>
<td>string</td>
<td>The ModSecurity rule ID.</td>
</tr>
<tr>
<td>unique_rule_id</td>
<td>string</td>
<td>The Rule ID.</td>
</tr>
</tbody>
</table>

Actions

GET /service/service_id/wafs/waf_id/rule_statuses

List all rule statuses for a particular service and firewall.

Authentication

API token.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>filter[status]</td>
<td>string</td>
<td>Limit results to rule statuses with the specified status.</td>
</tr>
<tr>
<td>filter[rule][message]</td>
<td>string</td>
<td>Limit results to rule statuses whose rules have the specified message.</td>
</tr>
<tr>
<td>filter[rule][rule_id]</td>
<td>string</td>
<td>Limit results to rule statuses whose rules represent the specified ModSecurity rule_id.</td>
</tr>
<tr>
<td>filter[rule][tags]</td>
<td>integer</td>
<td>Limit results to rule statuses whose rules relate to the specified tag IDs.</td>
</tr>
<tr>
<td>filter[rule][tags][name]</td>
<td>string</td>
<td>Limit results to rule statuses whose rules related to the named tags.</td>
</tr>
<tr>
<td>include</td>
<td>array</td>
<td>Include relationships. Optional, comma separated values. Permitted values: tags.</td>
</tr>
<tr>
<td>page[size]</td>
<td>integer</td>
<td>Limit the number of returned tags.</td>
</tr>
<tr>
<td>parameter</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>------------</td>
<td>----------</td>
<td>-----------------------------------------</td>
</tr>
<tr>
<td>page[number]</td>
<td>integer</td>
<td>Request a specific page of tags.</td>
</tr>
</tbody>
</table>

Request Example

```
GET /service/:service_id/wafs/:waf_id/rule_statuses?filter[tags][name]=application-FBC%20Market HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

▼ Response Example

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```
GET /service/service_id/wafs/waf_id/rules/rule_id/rule_status
Get a specific rule status object for a particular service, firewall, and rule.

**Authentication**

API token.

**Request Example**

```
GET /service/:service_id/wafs/:waf_id/rules/:rule_id/rule_status HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

{
  "data": {
    "id": "RULE_STATUS_ID",
    "type": "rule_status",
    "attributes": {
      "status": "log",
      "unique_rule_id": "RULE_ID",
      "modsec_rule_id": "MODSEC_RULE_ID"
    },
    "relationships": {
      "rule": {
        "data": {
          "id": "RULE_ID",
          "type": "rule"
        }
      },
      "waf": {
        "data": {
          "id": "WAF_ID",
          "type": "waf"
        }
      }
    }
  }
}
```

**PATCH**

/service/ service_id /wafs/ waf_id /rules/ rule_id /rule_status

Update a rule status for a particular service, firewall, and rule.

**Authentication**

API token of a user with at least Engineer permissions.

**Request Example**

```
PATCH /service/:service_id/wafs/:waf_id/rules/:rule_id/rule_status HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json

{
  "data": {
    "id": "RULE_STATUS_ID",
    "type": "rule_status",
    "attributes": {
      "status": "block"
    }
  }
}
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```
POST /service/:service_id/wafs/:waf_id/rule_statuses

Create or update all rule statuses for a particular service and firewall, based on tag name. By default, only rule status for enabled rules (with status `log` or `block`) will be updated. To update rule statuses for disabled rules under the specified tag, use the `force` attribute.

Authentication

**API token** of a user with at least [Engineer permissions](https://docs.fastly.com/api/permissions).

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>The tag name to use to determine the set of rules to update. For example, OWASP or language-php.</td>
</tr>
<tr>
<td>force</td>
<td>boolean</td>
<td>Whether or not to update rule statuses for disabled rules. Optional.</td>
</tr>
</tbody>
</table>

**Request Example**

```
POST /service/:service_id/wafs/:waf_id/rule_statuses HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json

{
    "data": {
        "type": "rule_status",
        "attributes": {
            "status": "block",
            "name": "application-FBC Market",
            "force": true
        }
    }
}
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```
Rule sets
Retrieve the currently deployed WAF ruleset VCL and the date it was deployed.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>last_push</td>
<td>string</td>
<td>Date and time WAF ruleset VCL was last deployed.</td>
</tr>
<tr>
<td>vcl</td>
<td>string</td>
<td>The WAF ruleset VCL currently deployed.</td>
</tr>
</tbody>
</table>

Actions

GET /service/:service_id/wafs/:waf_id/ruleset

Get a WAF ruleset for a particular service and firewall object.

Authentication

API token.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>service_id</td>
<td>string</td>
<td>The ID of the service.</td>
</tr>
<tr>
<td>waf_id</td>
<td>string</td>
<td>The firewall ID.</td>
</tr>
</tbody>
</table>

Request Example

GET /service/:service_id/wafs/:waf_id/ruleset HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json

Response Example

HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
GET /service/service_id/wafs/waf_id/ruleset/preview

Get a preview of the WAF ruleset VCL for a particular service and firewall object based on changes to WAF configuration before deploying the ruleset. The response will include a link to status of the background VCL generation job. Once the background job is completed, the preview WAF ruleset VCL can be retrieved from the status response.

Authentication
API token.

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>service_id</td>
<td>string</td>
<td>The ID of the service.</td>
</tr>
<tr>
<td>waf_id</td>
<td>string</td>
<td>The firewall ID.</td>
</tr>
</tbody>
</table>

Request Example

```
GET /service/:service_id/wafs/:waf_id/ruleset/preview HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

Response Example

```
HTTP/1.1 202 Accepted
Content-Type: application/vnd.api+json

{
   "data": {
      "id": "RULESET_ID",
      "type": "ruleset",
      "attributes": {},
      "links": {
         "related": {
         }
      }
   },
   "meta": {
      "warnings": {
         "title": "Generating preview ruleset VCL for WAF_ID",
         "detail": "Please check the data field for generated preview VCL once the background job completes."
      }
   }
}
```

PATCH /service/service_id/wafs/waf_id/ruleset

Update the WAF ruleset for a particular service and firewall object. Use the URL in the response to view the WAF ruleset deploy status.

Authentication
API token of a user with at least Engineer permissions.

Request Example

```
PATCH /service/:service_id/wafs/:waf_id/ruleset HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json
```
GET
{
  "data": {
    "id": "RULESET_ID",
    "type": "ruleset"
  }
}

Response Example

HTTP/1.1 202 Accepted
Content-Type: application/vnd.api+json

{
  "data": {
    "id": "RULESET_ID",
    "type": "ruleset",
    "attributes": {
      "last_push": "2016-08-20 23:05:13 UTC",
      "vcl": "sub waf_ruleset {

    }
    
  
  
  }
},
  "links": {
    "related": {
    }
  }
}

Tags
Tags for categorizing WAF rules. Tags can be filtered by name.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the tag</td>
</tr>
</tbody>
</table>

Actions

GET /wafs/tags

List all tags.

Authentication

API token

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>filter[name]</td>
<td>string</td>
<td>Limit the returned tags to a specific name.</td>
</tr>
<tr>
<td>page[size]</td>
<td>integer</td>
<td>Limit the number of returned tags.</td>
</tr>
<tr>
<td>page[number]</td>
<td>integer</td>
<td>Request a specific page of tags.</td>
</tr>
<tr>
<td>include</td>
<td>array</td>
<td>Include relationships. Optional, comma separated values. Permitted values: rules.</td>
</tr>
</tbody>
</table>

Request Example

GET /wafs/tags?filter[name]=application-FBC%20Market&include=rules HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json

Response Example

HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
 Configuration sets
 Configuration sets are used to view and select the available versions of the Fastly WAF rules.

 Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>active</td>
<td>boolean</td>
<td>The active configuration set is the default configuration set when creating a new WAF. When Fastly adds configuration sets, the new versions become the default (active).</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>--------</td>
<td>---------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the configuration set.</td>
</tr>
</tbody>
</table>

**Actions**

**GET /wafs/configuration_sets**

List all Configuration sets.

Authentication

**API token.**

**Request Example**

```
GET /wafs/configuration_sets HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

{
  "data": [
    {
      "id": "CONFIGURATION_SET_ID",
      "type": "configuration_set",
      "attributes": {
        "active": true,
        "name": "v2 2017-04-17T21:04:00+00:00"
      }
    },
    {
      "id": "CONFIGURATION_SET_ID",
      "type": "configuration_set",
      "attributes": {
        "active": false,
        "name": "v1 2017-02-17T21:04:00+00:00"
      }
    }
  ],
  "links": {
  }
}
```

**GET /wafs/configuration_sets/id/relationships/wafs**

List the WAF objects currently using the specified configuration set.

Authentication

**API token.**

**Request Example**

```
GET /wafs/configuration_sets/:id/relationships/wafs HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

```
PATCH /wafs/configuration_sets/:id/relationships/wafs

Update one or more WAF objects to use the specified configuration set.

Authentication
API token of a user with at least Engineer permissions.

Request Example

```http
PATCH /wafs/configuration_sets/:id/relationships/wafs HTTP/1.1

Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json
```

```json
{
  "data": [
    {
      "id": "WAF_ID",
      "type": "waf"
    },
    {
      "id": "WAF_ID",
      "type": "waf"
    }
  ]
}
```

Response Example

```http
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```

```json
{
  "data": [
    {
      "id": "WAF_ID",
      "type": "waf"
    },
    {
      "id": "WAF_ID",
      "type": "waf"
    }
  ],
  "links": {
  }
}
```

Update statuses

Update status indicates the status of an asynchronous process for updating a firewall object.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>completed_at</td>
<td>string</td>
<td>Date and time that job was completed.</td>
</tr>
</tbody>
</table>
### GET 
/service/:service_id/wafs/:waf_id/update_statuses

List all update statuses for a particular service and firewall object.

**Authentication**

**API token.**

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>page[size]</td>
<td>integer</td>
<td>Limit the number of returned tags.</td>
</tr>
<tr>
<td>page[number]</td>
<td>integer</td>
<td>Request a specific page of tags.</td>
</tr>
<tr>
<td>include</td>
<td>string</td>
<td>Include relationships. Optional, comma separated values. Permitted values: waf.</td>
</tr>
</tbody>
</table>

**Request Example**

```
GET /service/:service_id/wafs/:waf_id/update_statuses HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```
GET /service/:service_id/wafs/:waf_id/update_statuses/:update_status_id

Get a specific update status object for a particular service and firewall object.

Authentication
API token.

Request Example

GET /service/:service_id/wafs/:waf_id/update_statuses/:update_status_id HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json

▼ Response Example

HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```json
{
  "data": {
    "id": "UPDATE_STATUS_ID",
    "type": "waf_update_status",
    "attributes": {
      "completed_at": "2016-09-09 16:10:49 UTC",
      "created_at": "2016-09-09 16:10:49 UTC",
      "data": null,
      "message": null,
      "status": "complete",
      "updated_at": "2016-09-09 16:10:49 UTC"
    },
    "relationships": {
      "waf": {
        "data": {
          "id": "WAF_ID",
          "type": "waf"
        }
      }
    }
  }
}
```