API (/api/)

Authentication (/api/auth)

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 service. You can restrict the access of tokens to a single service, and you can limit the capabilities of tokens using a scope other than the default `global` scope. For example, the `purge_select` scope will limit a token to only be able to purge by URL and surrogate keys. 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 (/guides/account-management-and-security/using-api-tokens) for more information.

Two-factor authentication

API tokens support two-factor authentication (/guides/account-management-and-security/enabling-and-disabling-two-factor-authentication). Send the generated one-time password via the Fastly-OTP header when creating a token, as shown below.

```plaintext
POST https://api.fastly.com/tokens
Fastly-OTP: 123456
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 (/guides/user-access-and-control/configuring-user-roles-and-permissions) 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.

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](https://docs.fastly.com/api/aio).

- **purge_select**: Allows purging with surrogate key and URL. Disallows purging with purge_all.

- **purge_all**: Allows purging an entire service via `purge_all` (`/api/purge#purge_bee5ed1a0cfd541e8b9f970a44718546`).

- **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 limit a token's access to one or more services. Do this by specifying an array in the POST `/tokens` action (e.g., `services[]=id1&services[]=id2`).

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](https://docs.fastly.com/api/aio) who has active API tokens associated with their account, you must first [revoke the user's API tokens](https://docs.fastly.com/api/aio).
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 (/guides/user-access-and-control/configuring-user-roles-and-permissions) 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

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 &quot;global&quot;).</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_seen_at</td>
<td>string</td>
<td>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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>----------</td>
<td>-------</td>
<td>-----------------------------------------------------------------------------</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 (/api/auth#tokens) with at least billing permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

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

**Response Example**

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

[
  {
    "id": "5Yo3XXnrQpjc20u0ybrf2g",
    "user_id": "4y5K5trZocEAYkswk7M",
    "services": [],
    "name": "my_token",
    "scope": "global",
    "created_at": "2016-06-22T03:19:48+00:00",
    "last_seen_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 /customer/ id /tokens

List all tokens belonging to a specific customer

**Authentication**
API token (/api/auth#tokens) with at least billing permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

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": "5Yo3XXnrQpjc20u0ybrf2g",
    "user_id": "4y5K5trZocEAQYkesWlk7M",
    "services": [],
    "name": "my_token",
    "scope": "global",
    "created_at": "2016-06-22T03:19:48+00:00",
    "last_seen_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 (/api/auth#tokens).

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
```
POST /tokens

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

Authentication

Username and password.

Request Example

```
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

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

{
  "id": "5Yo3XXXnrQpjc20u0ybSbf2g",
  "access_token": "YOUR_FASTLY_TOKEN",
  "user_id": "4y5K5trZocEAQykesWlk7M",
  "services": ["5VqE6MOOy1QFJbgmCK41pY", "6VqE6MOOy1QFJbgmCK41pZ"],
  "name": "my_token",
  "scope": "global",
  "created_at": "2016-06-22T03:19:48+00:00",
  "last_seen_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 (/api/auth#tokens).

Request Example

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

Response Example

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

DELETE /tokens/ id

Revoke a specific token by its id.

Authentication

API token (/api/auth#tokens) with at least billing permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

DELETE /tokens/5Yo3XXnrQpjc20u0ybrf2g HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

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 (/api/auth#tokens).

Request Example

```
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

{
    "data" => [
        {
            "id" => "3krg2uUG2zb2W9Euo4moOY",
            "type" => "token",
        },
        {
            "id" => "71ZA6hv2FO6tGEQIE203Xj",
            "type" => "token",
        }
    ]
}
```

Response Example

```
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>HTTP response code</td>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------</td>
<td>--------------</td>
<td>-------------------------------------------------------</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>
<tr>
<td>422</td>
<td>Unprocessable Entity</td>
<td>The format of the date and time supplied to the expires_at 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 (/api/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>
<tr>
<td>total.cost_before_discount</td>
<td>integer</td>
<td>Total incurred cost plus extras cost.</td>
</tr>
<tr>
<td>total.discount</td>
<td>integer</td>
<td>Calculated discount rate.</td>
</tr>
<tr>
<td>total.extras</td>
<td>string</td>
<td>A list of any extras for this invoice.</td>
</tr>
<tr>
<td>total.extras_cost</td>
<td>integer</td>
<td>Total cost of all extras.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-----------------</td>
<td>--------</td>
<td>--------------------------------------------------------------</td>
</tr>
<tr>
<td>total.extras.name</td>
<td>string</td>
<td>The name of this extra cost.</td>
</tr>
<tr>
<td>total.extras.recurring</td>
<td>integer</td>
<td>Recurring monthly cost in USD (not present if $0.0).</td>
</tr>
<tr>
<td>total.extras.setup</td>
<td>integer</td>
<td>Initial set up cost in USD (not present if $0.0 or this is not the month the extra was added).</td>
</tr>
<tr>
<td>total.incurred_cost</td>
<td>integer</td>
<td>The total cost of bandwidth and requests used this month.</td>
</tr>
<tr>
<td>total.overage</td>
<td>integer</td>
<td>How much over the plan minimum has been incurred.</td>
</tr>
<tr>
<td>total.plan_code</td>
<td>string</td>
<td>The short code the plan this invoice was generated under.</td>
</tr>
<tr>
<td>total.plan_minimum</td>
<td>integer</td>
<td>The minimum cost of this plan.</td>
</tr>
<tr>
<td>total.plan_name</td>
<td>string</td>
<td>The name of the plan this invoice was generated under.</td>
</tr>
<tr>
<td>total.requests</td>
<td>integer</td>
<td>The total number of requests used this month.</td>
</tr>
<tr>
<td>total.requests_cost</td>
<td>integer</td>
<td>The cost of the requests used this month.</td>
</tr>
<tr>
<td>total.terms</td>
<td>string</td>
<td>Payment terms. Almost always Net15.</td>
</tr>
</tbody>
</table>

**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 (/api/auth#tokens) of a user with at least Billing permissions (/guides/user-access-and-control/configuring-user-roles-and-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/year/2012/month/01 HTTP/1.1
```

▼ Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json
```
{  
"customer_id": "2sLme2UJR3SksnvKdEXHri",
"end_time": "2016-05-31T23:59:59Z",
"invoice_id": "4183280",
"line_items": [
  
  {  
    "amount": "0.0",
    "aria_invoice_id": "7SlAESxJ2zxHOV4q9y9X",
    "client_service_id": "Master_Plan",
    "created_at": "2017-04-03T20:27:05Z",
    "credit_coupon_code": null,
    "deleted_at": null,
    "description": "Master Plan",
    "id": "1DcJwU7J1lCAstI51qToYL",
    "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": "7SlAESxJ2zxHOV4q9y9X",
    "client_service_id": "Committed Amount",
    "created_at": "2017-04-03T20:27:05Z",
    "credit_coupon_code": null,
    "deleted_at": null,
    "description": "Monthly Minimum Fee",
    "id": "7b8PVTj2KDANeJQyS44FFv",
    "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": 11003593,
    "units": "1.0",
    "updated_at": "2017-04-03T20:27:05Z",
    "usage_type_cd": null,
    "usage_type_no": null
  }
  
  {  
    "amount": "100.0",
    "aria_invoice_id": "7SlAESxJ2zxHOV4q9y9X",
    "client_service_id": "Shared_TLS_Certificate",
    "created_at": "2017-04-03T20:27:05Z",
    "usage_type_cd": null,
    "usage_type_no": null
  }
]
"credit_coupon_code": null,
"deleted_at": null,
"description": "Shared TLS Certificate",
"id": "6ExVVQWoHgpHV19RYl8FJn",
"line_number": 3,
"plan_name": "Shared TLS Certificate",
"plan_no": 18920,
"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": "7SlAESxcJ2zxHOV4gQ9y9X",
"client_service_id": "Committed Amount",
"created_at": "2017-04-03T20:27:05Z",
"credit_coupon_code": "developer",
"deleted_at": null,
"description": "100% off coupon",
"id": "6b9TYZe9r2eKIPxdGIUBdX",
"line_number": 4,
"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": 11003593,
"units": "1.0",
"updated_at": "2017-04-03T20:27:05Z",
"usage_type_cd": null,
"usage_type_no": null
}
],
"regions": {
"usa": {
"cost": 14.050722881322,
"bandwidth": {
"tiers": [
{
"units": 9.23366359435022,
"total": 1.10803963132203,
"price": 0.12,
"name": "first 10TB"
}
],
"total": 1.10803963132203
}
},

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 (/guides/account-types-and-billing/how-we-calculate-your-bill).

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 (/api/auth#tokens) of a user with at least Billing permissions (/guides/user-access-and-control/configuring-user-roles-and-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

```plaintext
GET /billing/v2/account_customers/:customer_id/mtd_invoice HTTP/1.1
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json
```
{  
"customer_id": "2i0wWA8Zvo6uUpmATZYuQi",
"end_time": "2018-02-21T21:32:51+00:00",
"start_time": "2018-02-01T00:00:00+00:00",
"invoice_id": "MTD_4EkCABievWZowCL4E8JlTv",
"regions": {  
  "usa": {  
    "cost": 10.04,
    "bandwidth": {  
      "total": 7.45,
      "tiers": [  
        {  
          "name": "North America Bandwidth (62.055127895 gigabytes @ $.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 @ $.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 @ $.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 @ $.016)",
          "units": 7.8014,
          "price": 0.016,
          "discounted_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": 15.60999999999998,
  "bandwidth": 266.252585978,
  "bandwidth_cost": 38.41,
  "percentile": 0,
  "percentile_cost": 0,
  "commit_shortfall": 0,
  "discount": 0,
  "discount_amount": 0,
  "incurring": 54.019999999999996,
  "overage": 0,
  "cost_before_discount": 54.019999999999996,
  "extras": [],
  "extras_cost": 0,
  "bandwidth_units": null
},
"lines": [
{
  "line": {
    "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"
  }
},
{
  "line": {
    "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"
  }
}
"client_plan_id": "CDN"
"line": {
  "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"
},
"line": {
  "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"
},
"line": {
  "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"
},
"line": {
  "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"
}
{"line": {
  "plan_no": "286",
  "description": "Europe Requests (900.2602 units @ $.009)",
  "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"
    }
}]

## Billing Address

A billing address is used to calculate your bill correctly.

### 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 name</td>
</tr>
<tr>
<td>locality</td>
<td>string</td>
<td>Other locality</td>
</tr>
</tbody>
</table>
### Actions

**GET** /customer/ `{customer_id}` /billing_address

Get a customer's billing address

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)) with at least [billing permissions](https://docs.fastly.com/guides/user-access-and-control/configuring-user-roles-and-permissions).

**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/CUSTOMER_ID/billing_address HTTP/1.1
Content-Type: application/vnd.api+json
```

**Response Example**

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

Add a billing address for a customer

Authentication

API token (/api/auth#tokens) with at least billing permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

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

```
POST /customer/CUSTOMER_ID/billing_address HTTP/1.1
Content-Type: application/vnd.api+json
```
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 (/api/auth#tokens) with at least Billing permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).
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/CUSTOMER_ID/billing_address HTTP/1.1
Content-Type: application/vnd.api+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": "53538-5902"
    },
    "relationships": {
      "customer": {
        "data": {
          "type": "customer",
          "id": "x4xCwxxJxGCx123Rx5xTx"
        }
      }
    }
  }
}
```

DELETE /customer/ customer_id /billing_address
Delete a customer's billing address

**Authentication**

API token (/api/auth#tokens) with at least `billing_permissions` (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**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/CUSTOMER_ID/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>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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>----------</td>
<td>-----------------------------------------------------------------------------</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 user or customer was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the user or customer was deleted.</td>
</tr>
<tr>
<td>email_hash</td>
<td>string</td>
<td>The alphanumeric string identifying the user's email login.</td>
</tr>
<tr>
<td>force_2fa</td>
<td>boolean</td>
<td>Specifies whether 2fa 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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>---------------</td>
<td>--------</td>
<td>-----------------------------------------------------------------------------</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>login</td>
<td>string</td>
<td>The email used to login to Fastly.</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>require_new_password</td>
<td>boolean</td>
<td>Specifies whether a new password is required or not required at next login.</td>
</tr>
<tr>
<td>requires_support_email</td>
<td>boolean</td>
<td></td>
</tr>
<tr>
<td>role</td>
<td>string</td>
<td>The designated role or permissions for the user. Can be Billing, Engineer, User, and Super User.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-------------------------</td>
<td>-------</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>two_factor_auth_enabled</td>
<td>boolean</td>
<td>Specifies whether 2fa is enabled or not enabled on the account.</td>
</tr>
<tr>
<td>two_factor_setup_required</td>
<td>boolean</td>
<td>Specifies whether 2fa is required for the user account.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the user or customer was updated.</td>
</tr>
</tbody>
</table>

**Actions**

**GET** /customer/ id /users

List all users from a specified customer id

**Authentication**

API token (/api/auth#tokens).

**Request Example**

```plaintext
GET /customer/4mp6jxt8Z5b4be5jIhXz0O/users HTTP/1.1
Content-Type: application/x-www-form-urlencoded
```

**Response Example**

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

Get the logged in customer

Authentication

API token (/api/auth#tokens).

Request Example

GET /current_customer HTTP/1.1

Response Example

HTTP/1.1 200 OK
Content-Type: application/json
```json
{
  "billing_contact_id": null,
  "billing_network_type": "public",
  "billing_ref": null,
  "can_configure_wordpress": null,
  "can_reset_passwords": true,
  "can_upload_vcl": true,
  "created_at": "2011-09-19T19:59:16+00:00",
  "deleted_at": null,
  "force_2fa": true,
  "has_account_panel": true,
  "has_improved_events": false,
  "has_improved_ssl_config": true,
  "has_openstack_logging": true,
  "has_pci": false,
  "has_pci_passwords": true,
  "id": "hTE5dRlSBICGPJxJwCH4M",
  "ip_whitelist": "0.0.0.0/0",
  "legal_contact_id": "x9KzsrACXZv8tPw1EDsKb6",
  "name": "Test Account",
  "owner_id": "x9KzsrACXZv8tPw1EDsKb6",
  "phone_number": "5555555559",
  "postal_address": "",
  "pricing_plan": "customer",
  "pricing_plan_id": "5PMLv2VdXE8xNbMCM9xayC",
  "readonly": false,
  "requires_support_email": false,
  "security_contact_id": "x9KzsrACXZv8tPw1EDsKb6",
  "technical_contact_id": "x9KzsrACXZv8tPw1EDsKb6",
  "updated_at": "2016-04-07T17:21:06+00:00"
}
```

**GET /customer/ id**

Get a specific customer

**Authentication**

API token (/api/auth#tokens) with at least billing permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```
GET /customer/hTE5dRlSBICGPJxJwCH4M HTTP/1.1
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json
```
```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,
    "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": "hTE5dR1SBICGPJxJwCH4M",
    "ip_whitelist": "0.0.0.0/0",
    "legal_contact_id": "x9KzsrACXZv8tPw1EDsKb6",
    "name": "Test Account",
    "owner_id": "x9KzsrACXZv8tPw1EDsKb6",
    "phone_number": "5555555559",
    "postal_address": null,
    "pricing_plan": "developer",
    "pricing_plan_id": "6HW4welznAHVnMCJhY9QdX",
    "readonly": false,
    "requires_support_email": false,
    "security_contact_id": "x9KzsrACXZv8tPw1EDsKb6",
    "technical_contact_id": "x9KzsrACXZv8tPw1EDsKb6",
    "updated_at": "2016-06-14T14:43:01+00:00"
}
```

**PUT /customer/ id**

Update a customer

**Authentication**

API token (/api/auth#tokens) with at least billing permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```
PUT /customer/4mp6jxt8Z5b4be5jIhXz0O 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

{
    "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,
    "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": "hTE5dRlSBICGPJxJwCH4M",
    "ip_whitelist": "0.0.0.0/0",
    "legal_contact_id": "x9KzsrACXZv8tPw1EDsKb6",
    "name": "updated-test-account",
    "owner_id": "x9KzsrACXZv8tPw1EDsKb6",
    "phone_number": "5555555559",
    "postal_address": null,
    "pricing_plan": "developer",
    "pricing_plan_id": "6HW4welznAHVnMCJhY9QdX",
    "readonly": false,
    "requires_support_email": false,
    "security_contact_id": "x9KzsrACXZv8tPw1EDsKb6",
    "technical_contact_id": "x9KzsrACXZv8tPw1EDsKb6",
    "updated_at": "2016-06-14T14:43:01+00:00"
}

DELETE /customer/ id

Delete a customer

Authentication

API token (/api/auth#tokens) with at least Billing permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

DELETE /customer/4mp6jxt8Z5b4be5jIhXz0O HTTP/1.1

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

{
  "status": "ok"
}

Event Logs

Event logs ([guides/monitoring-and-testing/monitoring-account-activity-with-event-logs](https://docs.fastly.com/api/aio)) are used to audit actions performed by customers. Events can be filtered by user_id, service_id, customer_id, and event_type.

### 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>
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<tr>
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<tr>
<td></td>
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<td>waf.disable</td>
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<td>waf.owasp.create</td>
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<td>waf.owasp.update</td>
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<td>waf.ruleset.deploy</td>
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<td>waf.ruleset.deploy_failure</td>
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<tr>
<td>wordpress.create</td>
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</tr>
<tr>
<td>wordpress.delete</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>wordpress.update</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>ip</td>
<td>string</td>
<td>IP address(es) 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>

**Actions**

**GET**  /events

List all events for a particular customer

**Authentication**

API token (/api/auth#tokens).
<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<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>
</tbody>
</table>

**Request Example**

```plaintext
GET /events?filter[customer_id]=x4xCwxxJxGCx123Rx5xTx&page[number]=1&page[size]=1 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 /events/ event_id

Get a specific event

Authentication

API token (/api/auth#tokens).

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

```plaintext
GET /events/1PTzLK8g1NRKMGu5kUb8SC 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
```
{  "data": {  "attributes": {  "admin": false,  "created_at": "2016-06-01T21:29:38Z",  "customer_id": "x4xCwxxJxGCx123Rx5xTx",  "description": "Version 2 was activated",  "event_type": "version.activate",  "ip": "127.0.0.0",  "metadata": {  "version_number": 2  },  "service_id": "SU1Z0iszPaozGVKXdv0eY",  "user_id": "6MwX4ZHM7Ji4Q3007d18Ln"  },  "id": "1PTzLK8g1NRKMGu5kUb8SC",  "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>data.type</td>
<td>string</td>
<td>'invitation'</td>
</tr>
<tr>
<td>data.id</td>
<td>string</td>
<td>Unique ID of the invitation.</td>
</tr>
<tr>
<td>data.attributes.created_at</td>
<td>string</td>
<td>Time-stamp (GMT) indicating when the invitation was created. Read Only.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>--------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>data.attributes.deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) indicating when the invitation was deleted. Read Only.</td>
</tr>
<tr>
<td>data.attributes.email</td>
<td>string</td>
<td>The email address of the invitee.</td>
</tr>
<tr>
<td>data.attributes.role</td>
<td>string</td>
<td>The user-assigned permissions role. Can be user, billing, engineer, or superuser.</td>
</tr>
<tr>
<td>data.attributes.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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-------------------------------------------</td>
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<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>data.attributes.updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) indicating when the invitation was updated. Read Only.</td>
</tr>
<tr>
<td>data.attributes.limit_services</td>
<td>boolean</td>
<td>Indicates the user has limited access to the customer's services.</td>
</tr>
<tr>
<td>data.relationships.customer.id</td>
<td>string</td>
<td>Unique ID of the customer.</td>
</tr>
<tr>
<td>data.relationships.customer.type</td>
<td>string</td>
<td>'customer'</td>
</tr>
<tr>
<td>data.relationships.service_invitations.id</td>
<td>string</td>
<td>Unique ID of the service invitation.</td>
</tr>
<tr>
<td>data.relationships.service_invitations.attributes.permission</td>
<td>string</td>
<td>Permission the accepting user will have in relation to the service.</td>
</tr>
<tr>
<td>data.relationships.service_invitations.relationships.service</td>
<td>string</td>
<td>Service the accepting user will have access to.</td>
</tr>
</tbody>
</table>

**Actions**

**GET** /invitations
List all invitations

Authentication

API token (/api/auth#tokens) with at least `billing.permissions` (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
GET /invitations 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": "invitation",
      "attributes": {
        "created_at": "2017-03-15T20:10:09Z",
        "deleted_at": null,
        "email": "john@example.com",
        "role": "superuser",
        "status_code": 1,
        "updated_at": "2017-03-15T20:10:09Z"
      },
      "relationships": {
        "customer": {
          "data": {
            "type": "customer",
            "id": "SU1Z0isxPaozGVKXdv0eY"
          }
        }
      }
    }
  ],
  "links": {
  },
  "meta": {
    "current_page": 1,
    "per_page": 100,
    "record_count": 1,
    "total_pages": 1
  }
}
```
POST /invitations

Create an invitation

Authentication

API token (/api/auth#tokens) with at least Superuser permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

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

{
   "data": {
      "type": "invitation",
      "attributes": {
         "email": "thelma@example.com",
         "limit_services": true,
         "role": "engineer"
      },
      "relationships": {
         "customer": {
            "data": {
               "id": "44tb1D3asjhhuh2SH8e8YD",
               "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
```
```json
{
  "data": {
    "id": "7kP8T3JrqSD2ZdijWGxOB1",
    "type": "invitation",
    "attributes": {
      "created_at": "2017-05-09T18:45:17Z",
      "email": "thelma@example.com",
      "deleted_at": null,
      "role": "user",
      "status_code": 1,
      "updated_at": "2017-05-09T18:45:17Z",
      "limit_services": true
    },
    "relationships": {
      "customer": {
        "data": {
          "id": "3krg2uUGZzb2W9Euo4moOY",
          "type": "customer"
        }
      },
      "service_invitations": {
        "data": [
          {
            "id": "QNcWQmR5UIpVVO6f1Y3Rl",
            "type": "service_invitation"
          }
        ]
      }
    },
    "included": [
      {
        "id": "QNcWQmR5UIpVVO6f1Y3Rl",
        "type": "service_invitation",
        "attributes": {
          "permission": "purge_all",
          "created_at": "2017-05-09T18:45:18Z",
          "deleted_at": null,
          "updated_at": "2017-05-09T18:45:18Z"
        }
      },
      {
        "id": "3krg2uUGZzb2W9Euo4moOY",
        "type": "customer",
        "attributes": {
          "created_at": "2017-05-09T18:45:17Z",
          "deleted_at": null,
          "name": "Test",
          "phone_number": "875.788.2000 x29959",
          "postal_address": null,
          "updated_at": "2017-05-09T18:45:17Z"
        }
      }
    ]
  }
}```
DELETE /invitations/ id

Delete an invitation

Authentication

API token (/api/auth#tokens) with at least `superuser` permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```plaintext
DELETE /invitations/3krg2uUGZzb2W9Euo4moOY HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
Content-Type: application/vnd.api+json
```

Response Example

```plaintext
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>data.type</td>
<td>string</td>
<td>'service_authorization'</td>
</tr>
<tr>
<td>data.id</td>
<td>string</td>
<td>Unique ID of the Service Authorization</td>
</tr>
<tr>
<td>data.attributes.created_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the service authorization was created. Read Only.</td>
</tr>
<tr>
<td>data.attributes.updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the service authorization was updated. Read Only.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>--------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>data.attributes.deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the service authorization was deleted. Read Only.</td>
</tr>
<tr>
<td>data.relationships.service.id</td>
<td>string</td>
<td>Unique ID of the service</td>
</tr>
<tr>
<td>data.relationships.service.type</td>
<td>string</td>
<td>'service'</td>
</tr>
<tr>
<td>data.relationships.user.id</td>
<td>string</td>
<td>Unique ID of the user</td>
</tr>
<tr>
<td>data.relationships.user.type</td>
<td>string</td>
<td>'user'</td>
</tr>
</tbody>
</table>

**Actions**

**GET /service-authorizations/ id**

Show Service Authorization

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/aio)).

**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
```
GET /service-authorizations

List Service Authorizations

Authentication

API token (/api/auth#tokens).

Request Example

GET /service-authorizations 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": "x4xCwxJxGx123Rx5xTx"
            }
         },
         "user": {
            "data": {
               "type": "user",
               "id": "6c7kAlo4vACNchGOdQxP37"
            }
         }
      }
   },
   {
      "user": {
         "data": {
            "type": "user",
            "id": "6c7kAlo4vACNchGOdQxP37"
         }
      },
      "service": {
         "data": {
            "type": "service",
            "id": "SU1Z0isxPaozGVXdv0eY"
         }
      }
   }
   ],
   "links": {
   },
   "meta": {
      "current_page": 1,
      "per_page": 100,
      "record_count": 1,
      "total_pages": 1
   }
}
PATCH /service-authorizations/ id

Update Service Authorization

Authentication

API token (/api/auth#tokens).

Request Example

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

{
  "data": {
    "id": "3krg2uUGZzb2W9Euo4moOY",
    "type": "service_authorization",
    "attributes": {
      "permission": "read_only"
    }
  }
}
```

▼ Response Example

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

{
  "data": {
    "id": "3krg2uUGZzb2W9Euo4moOY",
    "type": "service_authorization",
    "attributes": {
      "created_at": "2017-03-15T20:07:34Z",
      "updated_at": "2017-03-15T20:07:34Z",
      "deleted_at": null,
      "permission": "read_only"
    }
  }
}
```

PATCH /service-authorizations

Update Service Authorizations

Authentication

API token (/api/auth#tokens).

Request Example
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": "3krg2uUGZzb2W9Euo4moOY",
            "type": "service_authorization",
            "attributes": {
                "permission": "read_only"
            }
        },
        {
            "id": "71ZA6hv2FO6tGEQIE203Xj",
            "type": "service_authorization",
            "attributes": {
                "permission": "purge_all"
            }
        }
    ]
}
```

Response Example

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


```json
{
    "data": [
        {
            "id": "3krg2uUGZsb2W9Euo4moOY",
            "type": "service_authorization",
            "attributes": {
                "created_at": "2017-03-15T20:07:34Z",
                "updated_at": "2017-03-15T20:07:34Z",
                "deleted_at": null,
                "permission": "read_only"
            },
            "relationships": {
                "user": {
                    "data": {
                        "type": "user",
                        "id": "6c7kAlo4vACNchG0dQxP37"
                    }
                },
                "service": {
                    "data": {
                        "type": "service",
                        "id": "SU1Z0isxPaozGVXdv0eY"
                    }
                }
            }
        },
        {
            "id": "71ZA6hv2FO6tGEQIE203Xj",
            "type": "service_authorization",
            "attributes": {
                "created_at": "2017-03-15T20:07:34Z",
                "updated_at": "2017-03-15T20:07:34Z",
                "deleted_at": null,
                "permission": "purge_all"
            },
            "relationships": {
                "user": {
                    "data": {
                        "type": "user",
                        "id": "6c7kAlo4vACNchG0dQxP37"
                    }
                },
                "service": {
                    "data": {
                        "type": "service",
                        "id": "hTE5dR1SBICGPJxwCH4M"
                    }
                }
            }
        }
    ]
}
```
POST /service-authorizations

Create Service Authorization

Authentication

API token (/api/auth#tokens).

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

{
  "data": {
    "type": "service_authorization",
    "attributes": {
      "permission": "read_only"
    },
    "relationships": {
      "user": {
        "data": {
          "type": "user",
          "id": "6c7kAlo4vACNchGOdQxP37"
        }
      },
      "service": {
        "data": {
          "type": "service",
          "id": "SU1Z0isxPaozGVKXdv0eY"
        }
      }
    }
  }
}
```

Response Example

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

Delete Service Authorization

Authentication

API token (/api/auth#tokens).

Request Example
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 (/api/auth#tokens).

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": "71ZA6hv2FO6tGEQIE203Xj",
      "type": "service_authorization"
    }
  ]
}

Response Example

HTTP/1.1 204 OK
Content-Type: application/vnd.api+json; ext=bulk
```json
{
  "data": [
    {
      "id": "3krg2uUGZzb2W9Euo4moOY",
      "type": "service_authorization",
      "attributes": {
        "created_at": "2017-03-15T20:07:34Z",
        "updated_at": "2017-03-15T20:07:34Z",
        "deleted_at": "2017-03-16T20:07:34Z"
      },
      "relationships": {
        "user": {
          "data": {
            "type": "user",
            "id": "6c7kAlo4vACNchGQ0xP37"
          }
        },
        "service": {
          "data": {
            "type": "service",
            "id": "SU1Z0isxPaozGVXv0eY"
          }
        }
      }
    },
    {
      "id": "71ZA6hv2F06tGEQIE203Xj",
      "type": "service_authorization",
      "attributes": {
        "created_at": "2017-03-15T20:07:34Z",
        "updated_at": "2017-03-15T20:07:34Z",
        "deleted_at": "2017-03-16T20:07:34Z"
      },
      "relationships": {
        "user": {
          "data": {
            "type": "user",
            "id": "6c7kAlo4vACNchGQ0xP37"
          }
        },
        "service": {
          "data": {
            "type": "service",
            "id": "hTE5dR1SBICGPJxJwCH4M"
          }
        }
      }
    }
  ]
}
```
# 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 indentifying 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. This attribute is part of a Limited Availability (<a href="https://docs.fastly.com/guides/fastly-product-lifecycle/#limited-availability">guides/fastly-product-lifecycle/#limited-availability</a> release).</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>string</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>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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>----------</td>
<td>-------</td>
<td>--------------------------------------------------</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 (/api/auth#tokens) with at least billing permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

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": "x4xCwxxJxGCx123Rx5xTx",
    "deleted_at": null,
    "email_hash": "xe8x2dxxffx5bx18123x69x3fxefxefxa",
    "id": "x9KzsrACXZv8tPwlEDsKb6",
    "locked": false,
    "login": "johnowner@example.com",
    "name": "John 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 (/api/auth#tokens) with at least billing permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).
Request Example

GET /user/x9KzsrACXZv8tPw1EDsKb6 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": "x4xCwxxJxGCx123Rx5xTx",
   "deleted_at": null,
   "email_hash": "xe8x2dxffx5bx18123x69x3fxefxexfa",
   "id": "x9KzsrACXZv8tPw1EDsKb6",
   "locked": false,
   "login": "johnowner@example.com",
   "name": "John 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 /user

Create a user

Authentication

API token (/api/auth#tokens) with at least Superuser permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

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

ame=John Owner&login=johnowner@example.com

▼ Response Example

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

{
  "created_at": "2016-06-14T14:43:01+00:00",
  "customer_id": "x4xCwxxJxGCx123R5xT5x",
  "deleted_at": null,
  "email_hash": "xe8x2dxfx5bx18123x69x3fxefefxaa",
  "id": "6c7kAlo4vACNchGQdQXP37",
  "locked": false,
  "login": "johnowner@example.com",
  "name": "John 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 /user/login/password/request_reset**

Requests a password reset for the specified user

**Authentication**

None.

**Request Example**

```
POST /user/user%40example.com/password/request_reset HTTP/1.1
Accept: application/json
```

**Response Example**

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

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

**PUT /user/id**

Update a user. Unless you are a superuser on your account, this can only change your own user.

**Authentication**

API token (/api/auth#tokens).

**Request Example**

```
PUT /user/x9KzsACXZv8tPw1EDsKb6 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=Updated Name
```

**Response Example**

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

Delete a user

Authentication

API token (/api/auth#tokens) with at least superuser permissions (/guides/user-access-and-control/configuring-user-roles-and-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

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

Config (/api/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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/version/2/acl 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 /acl/ name

Retrieve a single ACL by name for the version and service

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

GET /service/SU1Z0isxPaozGVKXdv0eY/version/4/acl/my_acl HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

▼ Response Example

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

{  "version": 4,
  "name": "my_acl",
  "service_id": "6HLRMTXCDWZl6tF3yEuKok",
  "id": "2cFf1POsKFLhmnZJEKU7y6",
  "created_at": "2016-04-21T18:14:32+00:00",
  "updated_at": "2016-04-21T18:14:32+00:00",
  "deleted_at": null
}
**POST** /service/ service_id /version/ version /acl

Create a new ACL for a particular service and version

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)) of a user with at least [Engineer permissions](https://guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```
POST /service/SU1Z0isxPaozGVKXdv0eY/version/4/acl HTTP/1.1
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

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

**PUT** /service/ service_id /version/ version /acl/ old_name

Update ACL for a particular service and version

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)) of a user with at least [Engineer permissions](https://guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```
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

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

{
    "version": 4,
    "name": "updated_acl",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "id": "2cFf1POskFLhmznZJEfuake",
    "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 /version/ version /acl/ name

Delete an ACL for a particular service and version

**Authentication**

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

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

#### Response Example

```
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 [/api/auth#tokens] of a user with at least [Engineer permissions](/guides/user-access-and-control/configuring-user-roles-and-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
```
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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

GET /service/SU1Z0isxPaozGVXdv0eY/acl/2cFf1POskFLhmznZJEfuake/entry/1ujrCmULAWHUPP7Mzjefxa 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 /acl/ acl_id /entry

Create ACL entry given service, ACL ID and properties

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```plaintext
POST /service/SUIZ0isxPaozGVKXdv0eY/acl/2cFflPOskFLhmnZJEfUake/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": "2cFflPOskFLhmnZJEfUake",
  "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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

DELETE /service/SU1Z0isxPaozGVKXdvOeY/acl/2cFflPOskFLhmnZJEfUake/entry/1ujrCmULAWHUPP7Mzejfxa 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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

PATCH /service/SU1Z0isxPaozGVKXdvOeY/acl/2cFflPOskFLhmnZJEfUake/entry/1ujrCmULAWHUPP7Mzejfxa HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/json
Accept: application/json

{"ip": "127.0.0.2"}

▼ Response Example

HTTP/1.1 200 OK
Content-Type: application/json
PATCH  /service/ service_id /acl acl_id /entries

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

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

PATCH /service/SU1Z0isxPaozGVXdv0eY/acl/2cFflPOskFLhmnZJEfuake/entries HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/json
Accept: application/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
HTTP/1.1 200 OK
Content-Type: application/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 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>error_threshold</td>
<td>integer</td>
<td>Number of errors to allow before the backend is marked down.</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. The name 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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>------------</td>
<td>---------</td>
<td>-----------------------------------------------------------------------------</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 edit.</td>
</tr>
<tr>
<td>max_conn</td>
<td>integer</td>
<td>Maximum number of connections.</td>
</tr>
<tr>
<td>max_tls_version</td>
<td>integer</td>
<td>Maximum allowed TLS version on SSL connections to backend.</td>
</tr>
<tr>
<td>min_tls_version</td>
<td>integer</td>
<td>Minimum allowed TLS version on SSL connections to backend.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the backend.</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 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>The shield POP designated to reduce inbound load or origin by serving the cached data to the rest of the net.</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. 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 system default value (true).</td>
</tr>
<tr>
<td>ssl_ciphers</td>
<td>string</td>
<td>List of OpenSSL ciphers (see <a href="https://www.openssl.org/docs/manmaster/apps/ciphers">https://www.openssl.org/docs/manmaster/apps/ciphers</a> for details).</td>
</tr>
<tr>
<td>ssl_client_cert</td>
<td>string</td>
<td>Client certificate attached to origin.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-----------------</td>
<td>------------</td>
<td>------------------------------------------------------------------------------</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>
<tr>
<td>ssl_sni_hostname</td>
<td>string</td>
<td>Overrides ssl_hostname, but only for SNI in the hands Does not affect cert validation at all.</td>
</tr>
<tr>
<td>use_ssl</td>
<td>boolean</td>
<td>Whether or not to use SSL to reach the backend.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version number of a service.</td>
</tr>
<tr>
<td>weight</td>
<td>integer</td>
<td>Weight used to load balance this backend against other backends.</td>
</tr>
</tbody>
</table>

**Actions**

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

List all backends for a particular service and version.

**Authentication**

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```
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
```
GET /service/service_id/version/version/backend/name

Get the backend for a particular service and version.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

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

Create a backend for a particular service and version.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example
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

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,
    "error_threshold": 0,
    "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
}

PUT /service/ service_id /version/ version /backend/ old_name

Update the backend for a particular service and version.
Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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/SU1Z0issPaozGVKXdv0eY/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/ version /backend/ name

Delete the backend for a particular service and version.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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

Controls how caching is performed on Fastly. When used in conjunction with Conditions the Cache Settings provide you with fine grain 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>Allows for termination of execution and either cache, pass, or restart.</td>
</tr>
<tr>
<td>cache_condition</td>
<td>string</td>
<td>Name of the condition used to test whether this settings object should be used.</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>Sets the max &quot;Time To Live&quot; for stale (unreachable) objects.</td>
</tr>
<tr>
<td>ttl</td>
<td>integer</td>
<td>Sets the &quot;Time To Live&quot;.</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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/cache_settings HTTP/1.1

Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
GET /service/service_id/version/version/cache_settings/name

Get a specific cache settings object.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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

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

POST /service/service_id/version/version/cache_settings


Create a cache settings object.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

**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**

**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/ version /cache_settings/ old_name

Update a specific cache settings object.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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
DELETE /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

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

{
   "action": "cache",
   "cache_condition": "",
   "name": "testcache",
   "service_id": "SU1Z0isxPaozGVKXdv0eY",
   "stale_ttl": "2000",
   "ttl": "1000",
   "version": "1"
}

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

Delete a specific cache settings object.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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 when and how other objects are used in a service configuration. They contain a statement that evaluates to either true or false and is used to determine whether the condition is met.

Depending on the type of the condition, the statement field can make reference to the Varnish Variables `req`, `resp`, or `beresp`.

**Fields**

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>comment</td>
<td>string</td>
<td></td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>Name of the condition.</td>
</tr>
<tr>
<td>priority</td>
<td>integer</td>
<td>Priority assigned to condition. Order executes from 1 to 10, with 1 being first and 10 being last.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>statement</td>
<td>string</td>
<td>The statement used to determine if the condition is met.</td>
</tr>
<tr>
<td>type</td>
<td>string</td>
<td>Type of the condition, either &quot;REQUEST&quot; (req), &quot;RESPONSE&quot; (req, resp), or &quot;CACHE&quot; (req, beresp).</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 /condition**

Gets all conditions for a particular service and version.

**Authentication**

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

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

▼ Response Example
**GET  /service/ service_id /version/ version /condition/ name**

Gets the specified condition.

**Authentication**

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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~ "index.html"",
   "type": "CACHE",
   "version": "1"
}
```

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

Creates a new condition.
Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
POST /service/SU1Z0isxPaozGVKXdv0eY/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~"index.html"&type=REQUEST&priority=10
```

Response Example

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

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

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

Updates the specified condition.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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>
**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~+"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~ "index.html"",
    "type": "CACHE",
    "version": "1"
}
```

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

Deletes the specified condition.

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)) of a user with at least **Engineer permissions** ([/guides/user-access-and-control/configuring-user-roles-and-permissions](https://docs.fastly.com/guides/user-access-and-control/configuring-user-roles-and-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 table that stores key value pairs accessible to VCL functions during VCL processing. A new dictionary is empty and attached to a working version of a service (not locked/active). In order for the dictionary to appear in generated VCL, the version associated with the dictionary must be activated. To remove a dictionary, the dictionary must be deleted on a working version (not locked/active), and that version without the dictionary then must be activated.

### 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 dictionary was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) 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 alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the dictionary was updated.</td>
</tr>
<tr>
<td>version</td>
<td>integer</td>
<td>The current version of a service.</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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

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

Response Example
GET /service/ service_id /version/ version /dictionary/ name

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

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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
}
Create named dictionary for a particular service and version.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```plaintext
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

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

{
  "created_at": "2016-05-03T16:11:41+00:00",
  "deleted_at": null,
  "id": "5clCytcTJrnrvPi8wqPH0q",
  "name": "my_dictionary",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "updated_at": "2016-05-03T16:11:41+00:00",
  "version": 1,
  "write_only": false
}
```

Update named dictionary for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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

```json
{
   "created_at": "2016-05-03T16:11:41+00:00",
   "deleted_at": null,
   "id": "5clCytCTJrnvPi8wjqPH0q",
   "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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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

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

**Dictionary Info**

https://docs.fastly.com/api/aio
DictionaryInfo provides metadata for a Dictionary.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>last_updated</td>
<td>string</td>
<td>Time-stamp (GMT) when the dictionary was last updated.</td>
</tr>
<tr>
<td>item_count</td>
<td>integer</td>
<td>The number of items belonging to the dictionary.</td>
</tr>
<tr>
<td>digest</td>
<td>string</td>
<td>Hash of the dictionary content.</td>
</tr>
</tbody>
</table>

Actions

**GET** /service/ service_id /version/ version /dictionary/ id /info

Retrieve metadata for a single dictionary by ID for a version and service.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
GET /service/SU120isxPaozGVKXdv0eY/version/1/dictionary/5clCytcTJrnvPi8wjqPH0q/info HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

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

{
    "last_updated": "2016-05-03T16:11:41+00:00",
    "digest": "44136fa355b3678a1146ad16f7e8649e94fb4fc21fe77e8310c060f61caaff8a",
    "item_count": 4,
}
```

Dictionary Item

A DictionaryItem holds a key and value that make up an entry in a Dictionary. DictionaryItems are versionless so they can be modified without activating a new version.

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 dictionary was created.</td>
</tr>
<tr>
<td>deleted_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the dictionary was deleted.</td>
</tr>
<tr>
<td>dictionary_id</td>
<td>string</td>
<td>The dictionary for this Item.</td>
</tr>
<tr>
<td>item_key</td>
<td>string</td>
<td>Key for the DictionaryItem.</td>
</tr>
<tr>
<td>item_value</td>
<td>string</td>
<td>Value for the DictionaryItem.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The service the Dictionary belongs to.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the dictionary 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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```
GET /service/SU1Z0isxPaozGVXdv0eY/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
```
GET  /service/ service_id /dictionary/ dictionary_id /item/ item_key

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

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

GET /service/SU1Z0isxPaozGVXdv0eY/dictionary/5clCytcTJrnvPi8wjgPH0q/item/some_key HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

Response Example

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

{
    "dictionary_id": "5clCytcTJrnvPi8wjgPH0q",
    "service_id": "SU1Z0isxPaozGVXdv0eY",
    "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

https://docs.fastly.com/api/aio
API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

**POST** /service/SU1Z0isxPaozGVKXdv0eY/dictionary/5clCycTJrnvPi8wjqPH0q/item HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

item_key=some_key&item_value=some_value

**Response Example**

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

```
{
  "dictionary_id": "5clCycTJrnvPi8wjqPH0q",
  "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"
}
```

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

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

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

**PUT** /service/SU1Z0isxPaozGVKXdv0eY/dictionary/5clCycTJrnvPi8wjqPH0q/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
Update DictionaryItem given service, dictionary ID, item key, and item value.

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)) of a user with at least [Engineer permissions](https://docs.fastly.com/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```http
PATCH /service/SU1Z0isxPaozGVKXdv0eY/dictionary/5clCytcTJrnvPi8wjgPH0q/item/some_key

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

{
  "dictionary_id": "5clCytcTJrnvPi8wjgPH0q",
  "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"
}
```

**Response Example**

```json
{
  "dictionary_id": "5clCytcTJrnvPi8wjgPH0q",
  "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"
}
```
API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
PATCH /service/SU1Z0isxPaozGVKXdv0eY/dictionary/5clCytcTJrnvPi8wjgPH0q/items HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/json
Accept: application/json

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

▼ Response Example

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

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

DELETE /service/service_id/dictionary/dictionary_id/item/item_key

Delete DictionaryItem given service, dictionary ID, and item key.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example
DELETE /service/SU1Z0isxPaozGVKXdv0eY/dictionary/5clCyc7TJrnvPi8wjqPH0q/item/some_key

Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

▼ Response Example

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

{
   "status": "ok"
}

Diff

See the changes in configuration between two different versions of a service.

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 (/api/auth#tokens).

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>parameter</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-----------</td>
<td>---------</td>
<td>-----------------------------------------------------------------------------</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/SU1Z0isxPaozGVKXdv0eY/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
```
{
  "from": 1,
  "to": 2,
  "format": "text",
  "diff": ""
}
backends:
- name: My Backend
  address: backend.example.com
  auto_loadbalance: '0'
  between_bytes_timeout: 10000
  client_cert:
    comment: ''
  connect_timeout: 1000
  error_threshold: 0
  first_byte_timeout: 15000
  healthcheck:
    hostname: www.example.com
  ipv4:
  ipv6:
  max_conn: 200
  port: 80
  request_condition: ''
  shield:
    ssl_ca_cert:
    ssl_client_cert:
    ssl_client_key:
    ssl_hostname:
    use_ssl: false
    weight: 100
  cache_settings: []
  comment: ''
  conditions: []
  deployed:
  directors: []
  domains:
  - name: www.example.com
    comment: ''
  gzips: []
  +headers:
  +headers:
    + name: Debug
    + action: set
    + cache_condition:
      + dst: http.X-Test
      + ignore_if_set: '0'
      + priority: '10'
      + regex: ''
      + request_condition:
      + response_condition:
        + src: '"testing"'
        + substitution: ''
        + type: request
  healthchecks: []
  origins: []
request_settings: []
response_objects: []
service_id: SUlZ0issPaozGVdXv0eY
settings:
  general.default_host: ''
  general.default_ttl: 3600
snippets: []
staging:
syslogs: []
testing:
vcls: []
wordpress: []

**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.

**Fields**

<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>Load balancing weight for the backends.</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. Integer, 0 to 100 (default: 75)</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>----------</td>
<td>---------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>shield</td>
<td>string</td>
<td>Selected POP to serve as a &quot;shield&quot; for origin servers.</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>

**Actions**

**GET** `/service/ service_id /version/ version /director`

List the directors for a particular service and version

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)) of a user with at least [Engineer permissions](https://docs.fastly.com/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```plaintext
GET /service/SU1Z0isxPaozGVXdv0eY/version/1/director 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/director/name

Get the director for a particular service and version

Authentication

API token (/api/auth/tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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
POST /service/ service_id /version/ version /director

Create a director for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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
PUT /service/service_id/version/director/name

Update the director for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

PUT /service/SU1Z0isxPaozGVKXdv0eY/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
DELETE /service/ service_id /version/ version /director/ name

Delete the director for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

DELETE /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

{
  "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>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the relationship was updated.</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 /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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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**

```
GET /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
```
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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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

```
POST /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

{
    "backend_name": "test-backend",
    "created_at": "2016-05-05T20:24:29+00:00",
    "deleted_at": null,
    "director_name": "test-director",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "updated_at": "2016-05-05T20:24:29+00:00",
    "version": 1
}
```
DELETE /service/service_id/version/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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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/SU1Z0iXPaozGVXK0eY/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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-----------</td>
<td>------------</td>
<td>--------------------------------------------------</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 /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 ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)) of a user with at least Engineer permissions ([/guides/user-access-and-control/configuring-user-roles-and-permissions](https://docs.fastly.com/guides/user-access-and-control/configuring-user-roles-and-permissions)).

**Request Example**

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/domain/check_all 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/ 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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/domain/www.example.com/check
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."
]
```

GET /service/ service_id /version/ version /domain

List all the domains for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/domain
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
  }
]
```

**GET** `/service/ service_id /version/ version /domain/ name`

Get the domain for a particular service and version

**Authentication**

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/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": "SU1Z0isxPaozGVKXdv0eY",
  "version": 1
}
```

**POST** `/service/ service_id /version/ version /domain`

Create a domain for a particular service and version

**Authentication**

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**
PUT /service/SU1Z0isxPaozGVKXdv0eY/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": "SU1Z0isxPaozGVKXdv0eY",
    "version": 1
}
```

**PUT /service/ service_id /version/ version /domain/ old_name**

Update the domain for a particular service and version

**Authentication**

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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**

```
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**

```
HTTP/1.1 200 OK
Content-Type: application/json
```
{  
    "comment": "",
    "name": "www.updated-example.com",
    "service_id": "SU1Z0isxPaozGVXdv0eY",
    "version": 1
}

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

Delete the domain for a particular service and versions

Authentication

API token (/api/auth#tokens) of a user with at least [Engineer permissions](/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
DELETE /service/SU1Z0isxPaozGVXdv0eY/version/1/domain/test-domain HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```
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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>------------</td>
<td>---------</td>
<td>-----------------------------------------------------------------------------</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/ version /gzip

List all gzip configurations for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

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/ version /gzip/ name

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

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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 gzip object</td>
</tr>
</tbody>
</table>

Request Example

```bash
GET /service/SU1Z0isxPaozGVXdvPe0eY/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": "SU1Z0isxPaozGVXdvPe0eY",
    "version": "1"
}
```

POST /service/ service_id /version/ version /gzip

Create a named gzip configuration on a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```bash
POST /service/SU1Z0isxPaozGVXdvPe0eY/version/2/gzip HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

name=gzip-config-name \
    &cache_condition= \
    &extensions=html%20css%20js \
    &content_types=text/html%20text/css%20application/javascript
```
### PUT  /service/ service_id /version/ version /gzip/ old_name

Update a named gzip configuration on a particular service and version

**Authentication**

API token (/:api/auth#tokens) of a user with at least Engineer permissions (/:guides/user-access-and-control/configuring-user-roles-and-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**

```
POST /service/SU1Z0isxPaozGVXdv0eY/version/2/gzip HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

cache_condition=
&extensions=html%20css%20js
&content_types=text/html%20text/css%20application/javascript
```

### Response Example

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

```json
{
  "cache_condition": "",
  "content_types": "text/html text/css application/javascript",
  "extensions": "html css js",
  "name": "gzip-config-name",
  "service_id": "SU1Z0isxPaozGVXdv0eY",
  "version": "1"
}
```
DELETE /service/ service_id /version/ version /gzip/ name

Delete a named gzip configuration on a particular service and version

Authentication

API token [/api/auth#tokens] of a user with at least Engineer permissions [/guides/user-access-and-control/configuring-user-roles-and-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 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

```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

```json
{
    "cache_condition": "",
    "content_types": "text/html text/css application/javascript",
    "extensions": "html css js",
    "name": "gzip-config-name",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "version": "1"
}
```
<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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>---------</td>
<td>----------</td>
<td>-----------------------------------------------------------------------------</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>
<tr>
<td>response</td>
<td>-</td>
<td>Performs on the response before delivering to the client</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/header**

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

**Authentication**

API token (/api/auth#tokens) of a user with at least [Engineer permissions](/guides/user-access-and-control/configuring-user-roles-and-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
```
GET /service/ service_id /version/ version /header/ name

Retrieves a Header object by name.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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/ version /header

Creates a new Header object.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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
```
```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/version/header/old_name

Modifies an existing Header object by name.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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

```
PUT /service/SU1Z0isxPaozGVKXdv0eY/version/1/header/testheader HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
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
```
DELETE /service/ service_id /version/ version /header/ name

Deletes a Header object by name.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```curl
DELETE /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

{
  "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>
<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/ version /healthcheck

List all of the healthchecks for a particular service and version

**Authentication**
API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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/ version /healthcheck/ name
```

Get the healthcheck for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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/ version /healthcheck

Create a healthcheck for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
POST /service/SU1Z0isxPaozGVXKdv0eY/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/ version /healthcheck/ old_name

Update the healthcheck for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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

```
PUT /service/SU1Z0iszPaozGVKXdv0eY/version/1/healthcheck/example-healthcheck HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=updated-healthcheck
```

Response Example

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

Delete the healthcheck for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

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

▼ Response Example

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

{
  "status": "ok"
}

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>
<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>
</tbody>
</table>
### Actions

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

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

**Authentication**

API token (/api/auth#tokens) of a user with at least [Engineer permissions](/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```plaintext
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/ version /request_settings/ name

Gets the specified Request Settings object.
Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/request_settings/testrequest 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"
}
```

**POST** /service/ service_id /version/ version /request_settings

Creates a new Request Settings object.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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&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": "SU1Z0isxPaozGVXdv0eY",
    "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 [/api/auth#tokens](/api/auth#tokens) of a user with at least Engineer permissions [/guides/user-access-and-control/configuring-user-roles-and-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**

**PUT /service/SU1Z0isxPaozGVXdv0eY/version/1/request_settings/testrequest**

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**

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

Removes the specified Request Settings object.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

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

▼ Response Example

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 exists 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>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/ version /response_object

Returns all Response Objects for the specified service and version.

**Authentication**

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/response_object 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": "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/ version /response_object

Creates a new Response Object.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
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

```
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"
}
```

PUT /service/ service_id /version/ version /response_object/ old_name
Updates the specified Response Object.

Authentication

API token (/api/auth#tokens) of a user with at least [Engineer permissions](/guides/user-access-and-control/configuring-user-roles-and-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

```
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

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

{
  "cache_condition": "",
  "content": "THIS MESSAGE MEANS ALL IS OKAY",
  "content_type": null,
  "name": "testresponse",
  "request_condition": "",
  "response": "Ok",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "status": "200",
  "version": "1"
}
```

DELETE /service/ service_id /version/ version /response_object/ name

Deletes the specified Response Object.

Authentication

API token (/api/auth#tokens) of a user with at least [Engineer permissions](/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example
### 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>customer_id</td>
<td>string</td>
<td>Which customer this service belongs to.</td>
</tr>
<tr>
<td>deployed</td>
<td>boolean</td>
<td>Indicates if the version has been deployed.</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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-------------------</td>
<td>---------</td>
<td>-----------------------------------------------------------------</td>
</tr>
<tr>
<td>gzips</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>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>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>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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

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

**Response Example**

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

[{
    "comment": "",
    "customer_id": "x4xCwxxJxGCx123Rx5xTx",
    "id": "SU1Z0isxPaozGVKXdv0eY",
    "name": "test service",
    "version": 1,
    "versions": [
        {
            "active": null,
            "comment": "",
            "created_at": "2016-04-27T19:40:49",
            "deleted_at": null,
            "deployed": null,
            "locked": "1",
            "number": "1",
            "service": "SU1Z0isxPaozGVKXdv0eY",
            "service_id": "SU1Z0isxPaozGVKXdv0eY",
            "staging": null,
            "testing": null,
            "updated_at": "2016-05-09T16:27:00"
        }
    ]
}]
```

**GET /service/id/details**

List detailed information on a specified service

**Authentication**
API token (/api/auth#tokens) of a user with at least `Engineer` permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

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

▼ Response Example

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

{
  "acls": [],
  "active": true,
  "active_version": {
    "active": true,
    "backends": [],
    "cache_settings": [],
    "comment": "",
    "conditions": [],
    "deployed": true,
    "dictionaries": [],
    "directors": [],
    "domains": [],
    "gzs": [],
    "headers": [],
    "healthchecks": [],
    "locked": true,
    "number": 1,
    "request_settings": [],
    "response_objects": [],
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "settings": {
      "general.default_host": "",
      "general.default_pci": 0,
      "general.default_ttl": 3600
    },
    "staging": true,
    "testing": true,
    "vcls": [],
    "wordpress": []
  },
  "comment": "",
  "customer_id": "x4xCwxxJxGcx123Rx5xTx",
  "id": "SU1Z0isxPaozGVKXdv0eY",
  "name": "test service"
}
```
GET /service/search

Get a specific service by name

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

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

▼ Response Example

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

{
   "comment": "",
   "created_at": "2016-04-27T19:40:49+00:00",
   "customer_id": "x4xCwxxJxGCx123Rx5xTx",
   "deleted_at": null,
   "id": "SU1Z0isxPaozGVKXdv0eY",
   "name": "test-service",
   "publish_key": "3c18bd0f5ada8f0cf54724d86c514a8eac4c9b75",
   "updated_at": "2016-04-27T19:40:49+00:00",
   "versions": [
      {
         "active": null,
         "backend": 1,
         "comment": "",
         "created_at": "2016-04-27T19:40:49",
         "deleted_at": null,
         "deployed": null,
         "locked": "1",
         "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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

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

```plaintext
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 (/api/auth#tokens) of a user with at least [Engineer permissions](/guides/user-access-and-control/configuring-user-roles-and-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
```

**Response Example**

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

Update a service

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

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

name=updated-service-name
```

▼ Response Example

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

Delete a service

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
DELETE /service/SU1Z0isxPaozGVXdv0eY 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/ version /settings

Get the settings for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

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

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json
```
**PUT** /service/ service_id /version/ 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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```
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**

```
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 (/api/stats) 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>
<tr>
<td>end_time</td>
<td>integer</td>
<td>Epoch timestamp for period request</td>
</tr>
<tr>
<td>year</td>
<td>integer</td>
<td>Summarize a specific Y/M (requires month)</td>
</tr>
<tr>
<td>month</td>
<td>integer</td>
<td>Summarize a specific month (requires year)</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 (/api/auth#tokens).

**Request Example**

```
GET /service/SU1Z0isxPaozGVXdv0eY/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
```
GET  /service/ service_id /stats/ type
Get the stats from a service. This call is **deprecated**. Please use the summary call above. If type is either of "all" or "minutely", you must use specify a block of time using the fields above.

**Authentication**

API token [/api/auth#tokens].

**Parameters**

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>type</td>
<td>string</td>
<td>Granularity of stats requested. one of: all, minutely, hourly, daily</td>
</tr>
</tbody>
</table>

**Request Example**

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

**Response Example**

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

List the uploaded VCLs for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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

```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
  }
]
```
GET /service/ service_id /version/ version /boilerplate

Return boilerplate VCL with the service’s TTL from the settings (/api/config#settings).

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

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

Response Example

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

*VCL*
```

GET /service/ service_id /version/ version /vcl/ name

Get the uploaded VCL for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/vcl/test-vcl 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/vcl/name/content

Get the uploaded VCL for a particular service and version with HTML syntax highlighting Include line numbers by sending `lineno=true` as a request parameter

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/vcl/test-vcl/content 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/vcl/name/download

Download the specified VCL

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

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

▼ Response Example

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

https://docs.fastly.com/api/aio
API token (/api/auth#tokens) of a user with at least `Engineer` permissions (/guides/user-access-and-control/configuring-user-roles-and-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 {
        .host = "127.0.0.1";
        .port = "9093";
    }
    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": "c46e2d848a9d3d9e86b85b1db7161b7",
    "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 (/api/auth#tokens) of a user with at least `Engineer` permissions (/guides/user-access-and-control/configuring-user-roles-and-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
```
POST /service/service_id/version/version/vcl

Upload a VCL for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

POST /service/SU120isxPaozGVKXdv0eY/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

HTTP/1.1 200 OK
Content-Type: application/json
```json
{
  "content": "backend default {\n    .host = "127.0.0.1";\n    .port = "9092";\n  }\n  sub vcl_recv {\n    set req.backend = default;\n  }\n  sub vcl_hash {\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/ version /vcl/ name /main

Set the specified VCL as the main

Authentication

API token (/api/auth/#tokens) of a user with at least [Engineer permissions](/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

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

**PUT**  /service/ service_id /version/ version /vcl/ old_name

Update the uploaded VCL for a particular service and version

Authentication

API token (/api/auth/#tokens) of a user with at least [Engineer permissions](/guides/user-access-and-control/configuring-user-roles-and-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

**DELETE** /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

**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 /service/service_id/version/version/vcl/name

Delete the uploaded VCL for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

**DELETE** /service/SU1Z0isxPaozGVKXdv0eY/version/1/vcl/test-vcl HTTP/1.1

Fastly-Key: YOUR_FASTLY_TOKEN

Accept: application/json

Response Example

**HTTP/1.1 200 OK**

Content-Type: application/json
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>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>
</tbody>
</table>
### field | type | description
---|---|---
none | - | Don’t render the snippet in VCL so it can be manually included in custom VCL.
content | string | The VCL code that specifies exactly what the snippet does.
priority | integer | Priority determines the ordering for multiple snippets. Lower numbers execute first.

#### Actions

**GET**  
/service/ service_id /snippet/ snippet_id

Get a single dynamic snippet for a particular service.

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)) of a user with at least [Engineer permissions](https://docs.fastly.com/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

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

**Response Example**

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

{
  "snippet_id": "3SjAjCc6e5gXkx8C44fIB",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "content": "{}",
  "created_at": "2016-08-15T09:37:10+00:00",
  "updated_at": "2016-08-15T09:37:10+00:00"
}
```

**GET**  
/service/ service_id /version/ version /snippet

List all snippets for a particular service and version.

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)) of a user with at least [Engineer permissions](https://docs.fastly.com/guides/user-access-and-control/configuring-user-roles-and-permissions).
### GET /service/SU1Z0isxPaozGVKXdv0eY/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

```
[
  {
    "id": "62Yd1WfiCBPENLloXfXmlO",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "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/ version /snippet/ name

Get a single snippet for a particular service and version.

**Authentication**

API token (/api/auth#tokens) of a user with at least [Engineer permissions](/guides/user-access-and-control/configuring-user-roles-and-permissions).

### Request Example

```
GET /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
POST /service/ service_id /version/ version /snippet

Create a snippet for a particular service and version.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```plaintext
POST /service/SU1Z0isxPaozGVXdV0eYeY/version/1/snippet HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json
name=my_snippet&dynamic=1&type=hit&content=
```

▲ Response Example

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

{
  "id": "62Yd1WfiCBPENLJoXfXm1O",
  "service_id": "SU1Z0isxPaozGVXdV0eYeY",
  "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
}
```
PUT /service/service_id/snippet/snippet_id

Update a dynamic snippet for a particular service.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```plaintext
PUT /service/SU1Z0isxPaozGVKXdv0eY/snippet/62Yd1WfiCBPENLloXFxm1O HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

content="backend new_backend {}"
```

Response Example

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

{
    "snippet_id": "62Yd1WfiCBPENLloXFxm1O",
    "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"
}
```

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

Update a specific snippet for a particular service and version.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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
DELETE /service/ service_id /version/ version /snippet/ name

Delete a specific snippet for a particular service and version.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/snippet/my_snippet
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>Whether or not this version is deployed.</td>
</tr>
<tr>
<td>locked</td>
<td>boolean</td>
<td>Whether this version 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>Whether or not this version is for staging.</td>
</tr>
<tr>
<td>testing</td>
<td>boolean</td>
<td>Whether or not this version is for testing.</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 (/api/auth#tokens).

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version 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/ number

Get the version for a particular service.

Authentication

API token (/api/auth#tokens).

Request Example

GET /service/SU1Z0isxPaozGVKXdv0eY/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": "SU1Z0isxPaozGVKXdv0eY",
  "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 (/api/auth#tokens).

Request Example

GET /service/SU1Z0isxPaozGVXv0eY/version/1/validate 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 /version

Create a version for a particular service.

Authentication

API token (/api/auth#tokens).

Request Example

POST /service/SU1Z0isxPaozGVXv0eY/version HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

▼ Response Example

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

{
   "number": 1,
   "service_id": "SU1Z0isxPaozGVXv0eY"
}

PUT /service/ service_id /version/ number
Update a particular version for a particular service.

Authentication

API token (/api/auth#tokens).

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
```

Response Example

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

{
    "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"
}
```

---

Activate the current version.

Authentication

API token (/api/auth#tokens).

Request Example

```
PUT /service/ service_id /version/ number /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 (/api/auth#tokens).

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 (/api/auth#tokens).

Request Example

```plaintext
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

```json
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 (/api/auth#tokens).

Request Example

```plaintext
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

```json
HTTP/1.1 200 OK
Content-Type: application/json
```
Dynamic Servers (/api/dynamicservers)

Fastly’s Load Balancer allows you to create pools of origin servers that you dynamically manage using Dynamic Servers (/guides/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 feature is part of a limited availability release. For more information, see our product and feature lifecycle (/guides/fastly-product-lifecycle/#limited-availability) 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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>---------------</td>
<td>--------</td>
<td>-----------------------------------------------------------------------------</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 servers. Optional. Defaults to <code>null</code> meaning no origin shielding if not set.</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 operational 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 OpenSSL docs (<a href="https://www.openssl.org/docs/manmaster/man1/ciphers.htr">https://www.openssl.org/docs/manmaster/man1/ciphers.htr</a> 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>
</tbody>
</table>
### Actions

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

Lists all pools for a particular service and pool.

**Authentication**

API token (/api/auth#tokens) of a user with at least **Engineer** permissions (/guides/user-access-and-control/configuring-user-roles-and-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": "2Yd1WfiCBPENLloXfXm1O",
   "service_id": "62SNBYLi10xp1iixAcY",
   "version": "1",
   "name": "my_pool",
   "shield": 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_check_cert": "1",
   "tls_cert_hostname": null,
   "min_tls_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/version/pool/pool_name

Gets a single pool for a particular service and version.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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**

```
GET /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

{
    "id": "2Yd1WfiCBPENLloXFxmlO",
    "service_id": "62SNBYLi10xp1ixmsAcXy",
    "version": "1",
    "name": "my_pool",
    "shield": "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_check_cert": "1",
    "tls_cert_hostname": "null",
    "min_tls_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
}
```
Creates a pool for a particular service and version.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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

```plaintext
POST /service/SU1Z0isxPaozGVXdv0eY/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

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

Updates a specific pool for a particular service and version.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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

```json
{
  "id": "2Yd1WfiCBPENLloXfXML0",
  "service_id": "62SNBYLil10xpliixmsAcXy",
  "version": "1",
  "name": "my_pool",
  "shield": 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_check_cert": "1",
  "tls_cert_hostname": null,
  "min_tls_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
}
```
**DELETE**  /service/ service_id /version/ version /pool/ pool_name

Deletes a specific pool for a particular service and version.

Authentication

API token (/api/auth/#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Parameters
### 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

```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>
<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>
</tbody>
</table>
| weight | string | Weight (1-100) used to load balance this server against others.  
Optional. Defaults to '100' if not set. |
<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<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>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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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/SU1Z0isxPaozGVXdv0eY/pool/600HK90EoxghKpGk4pGLyM/servers HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

▼ Response Example

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

[

   {
      "id": "6kEuokxnixADBLiAjKqYXq",
      "service_id": "6k2He0IyVFUTO6RN01BNDe",
      "pool_id": "6kAX81nQ1jsNWZGnxFvPSkY",
      "weight": "100",
      "max_conn": "200",
      "port": "80",
      "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
   }
]

GET /service/ service_id /pool/ pool_id /server/ server_id

Gets a single server for a particular service and pool.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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/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

{
  "id": "6kEuoknxiaDBCLiAjKqyXq",
  "service_id": "6k2He0IyVFUTO6RNO1BNDe",
  "pool_id": "6kAX81nQ1jjsNWZGnxVFSKv",
  "weight": "100",
  "max_conn": "200",
  "port": "80",
  "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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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

POST /service/SU1Z0isxPaozGVKXdv0eY/pool/60OHK90EoxghKpGk4pGLyM/server HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
Content-Type: application/x-www-form-urlencoded

address=example.com
### Response Example

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

{
  "id": "6kEuoknxiaDBClimAkJqyXq",
  "service_id": "6kZHe0IyVFUTO6RNO1BNDe",
  "pool_id": "6kAX81nQ1jsNWZGnXvFSKY",
  "weight": "100",
  "max_conn": "200",
  "port": "80",
  "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
}
```

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

Updates a single server for a particular service and pool.

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)) of a user with at least [Engineer permissions](https://docs.fastly.com/guides/user-access-and-control/configuring-user-roles-and-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**

```plaintext
PUT /service/SU1Z0isxPaozGVXdv0eY/pool/600HK90EoxghKpGk4pGlyM/server/6kEuoknxiaDBCImAkJqyXq HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
Content-Type: application/x-www-form-urlencoded

max_conn=300
```
DELETE /service/ service_id /pool/ pool_id /server/ server_id

Deletes a single server for a particular service and pool.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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/60OHK90OxghKpGk4pGLyM/server/6kEuoknxiaDBCLIAjKqyXq
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

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

{
    "id": "6kEuoknxiaDBCLIAjKqyXq",
    "service_id": "6k2He0IyVFUTO6RN01BNDe",
    "pool_id": "6kAX81nQljsNWZGnXvFSKY",
    "weight": "100",
    "max_conn": "300",
    "port": "80",
    "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
}
```
Purge (/api/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/ (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 (/guides/purging/authenticating-api-purge-requests) 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

```
curl -X PURGE http://www.example.com/image.jpg
```

Response Example

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

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

```
POST /service/ service_id /purge_all
```

Instant Purge everything from a service.
Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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 (/api/auth#tokens).

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/hTE5dRlSBICGPJxJwCH4M 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. Up to 256 surrogate keys can be purged in one batch request.

Authentication

API token (/api/auth#tokens).

Request Example

```
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.

Authentication

API token (/api/auth#tokens).

Request Example

```
POST /service/SU1Z0isxPaozGVKXdv0eY/purge HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/json
Accept: application/json

{"surrogate_keys":["key_1","key_2","key_3"]}
```

Response Example

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

```
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 http://api.fastly.com/ for the API is not needed for a single URL Soft Purge.

Actions

**PURGE /***

Soft Purge an individual URL.

Authentication

Disabled by default. See Authenticating URL purge requests via API (/guides/purging/authenticating-api-purge-requests) 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

```
curl -X PURGE -H "Fastly-Soft-Purge:1" http://www.example.com/image.jpg
```  

▼ Response Example

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

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

**POST /service/service_id/purge/key**

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

Authentication

https://docs.fastly.com/api/aio
API token (/api/auth#tokens).

Request Example

```
POST /service/SU1Z0isxPaozGVKXdv0eY/purge/hTE5dR1SBICGPJxJwCH4M 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 (/api/stats)

The Fastly Historical Stats API (i.e., the Stats API) is a RESTful API that allows Fastly customers to query historical caching stats such as number of requests, hit ratio, and number of errors. The Stats API provides an advanced querying interface that allows for fine grained time period, regional, and sampling control. This document provides a basic overview of Stats and documents all available endpoints.

Endpoint

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

Authentication

To authenticate (/api/auth), use a Fastly-Key header containing your API token (/api/auth#tokens).

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

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

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](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=1%2F1%2F2017&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%2F1%2F2013%2000:00&to=2%2F1%2F2013%2000:00` (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:

Each value for the `by` parameter has associated defaults for the `to` and `from` parameters if they are omitted, here's an overview:

<table>
<thead>
<tr>
<th>URL</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>/stats</td>
<td>By day, from 1 month ago, to now</td>
</tr>
<tr>
<td>/stats?by=hour</td>
<td>by hour, from 1 day ago, to now</td>
</tr>
<tr>
<td>/stats?by=minute</td>
<td>by minute, from 30 minutes ago, to now</td>
</tr>
</tbody>
</table>

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=europa
```

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
```

```
{
  "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": [ ... ]
}
```

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

**Availability of Data**

The collection and processing of statistics information from a globally distributed CDN, such as Fastly, is not instantaneous. Thus there will be a notable delay as to when certain sampling range information will be up to date. Here are the general guidelines:

1. Minutely data will be delayed by roughly 10 to 15 minutes from the current time
2. Hourly data will be delayed by the same amount, and the current hour will return a partial result (because the hour has not finished but we are incrementally aggregating data)
3. Daily data works similarly to hourly data and the current day will also represent a partial result

**API Reference**

<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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>------------</td>
<td>----------</td>
<td>-----------------------------------------------------------------------------</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>field</td>
<td>type</td>
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<td>---------------------</td>
<td>---------</td>
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<tr>
<td>resp_body_bytes</td>
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<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>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 shield to origin.</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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-----------------------</td>
<td>-------</td>
<td>-----------------------------------------------------------------------------</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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
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<td>---------------------------------------------------------------------------------------------------------------------------------------------</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 sheild 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>waf_logged</td>
<td>integer</td>
<td>Number of requests that triggered a WAF rule and were logged.</td>
</tr>
<tr>
<td>waf_blocked</td>
<td>integer</td>
<td>Number of requests that triggered a WAF rule and were blocked.</td>
</tr>
<tr>
<td>waf_passed</td>
<td>integer</td>
<td>Number of requests that triggered a WAF rule and were passed.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>--------</td>
<td>-----------------------------------------------------------------------------</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>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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>--------</td>
<td>-----------------------------------------------------------------------------</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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>--------------</td>
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<td>-----------------------------------------------------------------------------</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 Server Error).</td>
</tr>
<tr>
<td>status_501</td>
<td>integer</td>
<td>Number of responses sent with status code 501 (Not Implemented).</td>
</tr>
<tr>
<td>status_502</td>
<td>integer</td>
<td>Number of responses sent with status code 502 (Bad Gateway).</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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>---------------------</td>
<td>--------</td>
<td>--------------------------------------------------</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>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>
</tbody>
</table>

**Actions**

**GET /stats**

Fetches historical stats for each of your Fastly services and groups the results by service ID.

**Authentication**

**API token** ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)).

**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
{
    "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": "175900019026",
            "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"
}

"5oYejo10heMydtjaVPQq4z": [
{
"requests": "751",
"miss_time": "1.198163271",
"start_time": "1368662400",
"service_id": "5oYejo10heMydtjaVPQq4z",
"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",
"status_302": "0",
"status_304": "169",
"errors": "0",
"hit_ratio": "0.9893",
"status_1xx": "0",
"status_2xx": "580",
"status_3xx": "171",
"status_4xx": "0",
"status_503": "0",
"pipe": "0",
"status_5xx": "0",
"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"
}

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 (/api/auth#tokens).

Request Example

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

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 (/api/auth#tokens).

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", "by": "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": "2537381260", "REQ_HEADER_BYTES": "2905859973", "REQ_BODY_BYTES": "390017958", "RESP_HEADER_BYTES": "2537381260", "RESP_BODY_BYTES": "31118762171", "BREQ_HEADER_BYTES": "1870557109", "BREQ_BODY_BYTES": "389234083", "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": "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"
},
{
"requests": "7908607",
"miss_time": "31645.078110511986",
"start_time": "1368662400",
"bandwidth": "201478840738",
"hits": "3455867",
"hits_time": "751.2703607920007",
"miss": "114580",
"body_size": "198672905955",
"pass": "4310192",
"header_size": "2805934783",
"req_header_bytes": "2905859973",
"req_body_bytes": "390017958",
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"resp_body_bytes": "198672905955",
"bereq_header_bytes": "1870557109",
"bereq_body_bytes": "389234083",
"status_200": "7128395",
"status_204": "0",
"status_301": "2649",
"status_302": "30",
"status_304": "9920",
"errors": "41389",
"hit_ratio": "0.9679",
"status_1xx": "0",
"status_2xx": "7128395",
"status_3xx": "12599",
"status_4xx": "726224",
"status_503": "41246",
"pipe": "0",
"status_5xx": "41389",
"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"
}
GET /stats/service/ service_id

Fetches historical stats for a given service.

Authentication

API token (/api/auth#tokens).

Request Example

```
GET /stats/service/1jlmtMz1ncwA0KC3TBGD0X?from=40+minutes+ago&to=38+minutes+ago&by=minut
```

```
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",      "service_id": "1jlmtMz1ncwA0KC3TBGD0X",      "bandwidth": "160238",      "hits": "0",      "hits_time": "0",      "miss": "0",      "body_size": "150948",      "pass": "19",      "header_size": "9290",      "req_header_bytes": "2905859973",      "req_body_bytes": "390017958",      "resp_header_bytes": "9290",      "resp_body_bytes": "150948",      "bereq_header_bytes": "1870557109",      "bereq_body_bytes": "389234083",      "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",      "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"
},
{
"requests": "20",
"miss_time": "0",
"start_time": "1368734220",
"service_id": "1jlmtMznwcA0KC3TBGD0X",
"bandwidth": "156504",
"hits": "0",
"hits_time": "0",
"miss": "0",
"body_size": "147806",
"pass": "17",
"header_size": "8698",
"req_header_bytes": "2905859973",
"req_body_bytes": "390017958",
"resp_header_bytes": "8698",
"resp_body_bytes": "147806",
"bereq_header_bytes": "1870557109",
"bereq_body_bytes": "389234083",
"status_200": "12",
"status_204": "0",
"status_301": "3",
"status_302": "0",
"status_304": "0",
"errors": "0",
"hit_ratio": null,
"status_1xx": "0",
"status_2xx": "12",
"status_3xx": "3",
"status_4xx": "5",
"status_503": "0",
"pipe": "0",
"status_5xx": "0",
"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"
GET /stats/service/ service_id /field/ field

Fetches the specified field from the historical stats for a given service.

Authentication

API token (/api/auth#tokens).

Request Example

```
GET /stats/service/lj1mtMz1ncwA0KC3TBGD0X/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": "lj1mtMz1ncwA0KC3TBGD0X",
            "start_time": "1368576000",
            "bandwidth": "376983356"
        },
        {
            "service_id": "lj1mtMz1ncwA0KC3TBGD0X",
            "start_time": "1368662400",
            "bandwidth": "322029360"
        }
    ]
}
```

GET /stats/usage

Returns usage information aggregated across all Fastly services and grouped by region.
Authentication

API token (/api/auth#tokens).

Request Example

```plaintext
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
{   "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": "153220202333"     },     "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 (/api/auth#tokens).

Request Example

https://docs.fastly.com/api/aio
GET /stats/usage_by_service?from=2013-02-01&to=2013-03-01 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": "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": {
            "1iPMGAF44YgzB7sINv4KTF": {
                "requests": "60524",
                "bandwidth": "6004223792"
            },
            "7mai6mbwRz0JXxhAY8ZSN2": {
                "requests": "3",
                "bandwidth": "1305"
            }
        },
        "ausnz": {
            "1iPMGAF44YgzB7sINv4KTF": {
                "requests": "101120",
                "bandwidth": "1735577606"
            },
            "7mai6mbwRz0JXxhAY8ZSN2": {
                "requests": "93294",
                "bandwidth": "38109995"
            }
        },
        "usa": {
            "1iPMGAF44YgzB7sINv4KTF": {
                "requests": "1109033",
                "bandwidth": "21642401706"
            },
            "7mai6mbwRz0JXxhAY8ZSN2": {
                "requests": "348175",
                "bandwidth": "173135847"
            }
        },
        "europe": {
            "1iPMGAF44YgzB7sINv4KTF": {
                "requests": "567583",
                "bandwidth": "14813592344"
            },
            "7mai6mbwRz0JXxhAY8ZSN2": {
                "requests": "260025",
                "bandwidth": "110928988"
            }
        }
    }
}
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 (/api/auth#tokens).

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

```
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
```
{  "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      }    }  }}
GET /stats/regions

Fetches the list of codes for regions that are covered by the Fastly CDN service.

Authentication

API token [/api/auth#tokens].

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 (/api/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. All URLs are relative to that endpoint. All requests must be sent over HTTPS.

Authentication

To authenticate (/api/auth), use a Fastly-Key header containing your API token (/api/auth#tokens).

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.

There is a special channel ID demo which is used for the analytics on the fastly.com (https://www.fastly.com) homepage.

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:

```plaintext
<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 "History" call for fetching data from the previous 120 seconds up to the latest timestamp for a channel:

```plaintext
<endpoint>/v1/channel/<service id>/ts/h
```

This can be modified by fetching the last \( N \) entries.

```plaintext
<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 only have one or two items. For the history call, it will have as many items as were requested.

```json
{
    "Timestamp" => 1467915558,
    "Data" => [ ... ]
}
```

Each item is a JSON object with two keys: `recorded` is a Unix timestamp (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.

```json
"Data" => [
    {
        "recorded" => 1467915558,
        "datacenter" => {...}
    },
    ...
]
```

The keys of the `datacenter` JSON object are the names of each of our POPs (https://guides/basic-concepts/fastly-pop-locations) around the world plus a special key, called `aggregated`, which adds all the values from all the POPs together.
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:

```
"SJC" => {
    "requests" => 45,
    "resp_header_bytes" => 22018,
    "resp_body_bytes" => 134564,
    "hits" => 200,
    "miss" => 48,
    "synth" => 4,
    "errors" => 5,
    "hits_time" => 200,
    "miss_time" => 1800,
    "miss_histogram" => {
        "80" => 33,
        "90" => 1,
        "110" => 1,
        "170" => 1,
        "250" => 1,
        "300" => 2,
        "400" => 1,
        "650" => 2,
        "750" => 1,
        "1000" => 1,
        "1100" => 1
    }
}
```

The keys are the same as those mentioned on the Historical Stats (/api/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 (/api/logging)

### S3

Fastly will upload log messages to the S3 bucket, and 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>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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>---------------</td>
<td>--------</td>
<td>-----------------------------------------------------------------------------</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 1 (the default, version 1 log format) or 2 (the version 2 log format).</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</td>
</tr>
<tr>
<td></td>
<td></td>
<td>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 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 the logs should be dumped (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.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>--------</td>
<td>-----------------------------------------------------------------------------</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>When to execute the s3. If empty, 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 is set to aws:kms.</td>
</tr>
<tr>
<td>server_side_encryption</td>
<td>-</td>
<td>String 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 ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)) of a user with at least [Engineer](https://guides/user-access-and-control/configuring-user-roles-and-permissions) permissions.

**Request Example**

```
GET /service/SU1Z0isxPaozGVXdv0eY/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

```
[
  {
    "access_key": "AKIAIOSFODNN7EXAMPLE",
    "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": "1",
    "gzip_level": 0,
    "message_type": "classic",
    "name": "test-s3",
    "path": null,
    "period": "3600",
    "placement": null,
    "redundancy": null,
    "response_condition": "",
    "secret_key": "wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY",
    "service_id": "SU1Z0isxPaozGVXdv0eY",
    "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
    "updated_at": "2016-05-23T19:48:33+00:00",
    "version": "1"
  }
]
```

### GET  
/service/ service_id /version/ version /logging/s3/ name

Get the S3 for a particular service and version

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)) of a user with at least [Engineer permissions](https://docs.fastly.com/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```
GET /service/SU1Z0isxPaozGVXdv0eY/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

```
```
POST /service/ service_id /version/ version /logging/s3

Create a S3 for a particular service and version

Authentication
API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```plaintext
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/s3 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-s3&bucket_name=my_corporate_bucket&access_key=AKIAIOSFODNN7EXAMPLE&secret_key=wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json
```
Update the S3 for a particular service and version

**Authentication**

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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/SU1Z0isxPaozGVXdvoYeY/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**
Delete the S3 for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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"
}
```
S3 Canary

Fastly will upload log messages to the S3 bucket, and in the format, specified in the S3 Canary object. This is a temporary controller to test a new S3 library and, as such, is part of a limited availability release. For more information, see our product and feature life cycle descriptions (/guides/fastly-product-lifecycle/#limited-availability). If you would like to try it, please contact support@fastly.com.

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>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.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Can be either 1 (the default, version 1 log format) or 2 (the version 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>log format).</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. One of:</td>
</tr>
<tr>
<td>classic</td>
<td></td>
<td>(default) RFC 3164 syslog prefix.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----------</td>
<td>----------------------------------------------------------------------------</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 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 the logs should be dumped (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.</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>When to execute the s3. If empty, 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 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>
</tbody>
</table>
**Field** | **Type** | **Description**
--- | --- | ---
updated_at | string | Time-stamp (GMT) when the endpoint was deleted.

**Actions**

**GET**  
/service/ service_id /version/ version /logging/s3canary

List all of the S3s for a particular service and version

**Authentication**

API token (/api/auth#tokens) of a user with at least **Engineer** permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```
GET /service/SU1Z0isxPaozGVXdv0eY/version/1/logging/s3canary 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/s3canary/ name

Get the S3 Canary for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

GET /service/SU1Z0isxPaozGVXdv0eY/version/1/logging/s3canary/test-s3canary HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json

▼ Response Example

HTTP/1.1 200 OK
Content-Type: application/json
Create a S3 Canary for a particular service and version

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)) of a user with at least Engineer permissions ([/guides/user-access-and-control/configuring-user-roles-and-permissions](https://docs.fastly.com/guides/user-access-and-control/configuring-user-roles-and-permissions)).

**Request Example**

```plaintext
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/s3canary HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-s3canary&bucket_name=my_corporate_bucket&access_key=AKIAIOSFODNN7EXAMPLE&secret_key=wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY
```

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json
```
Update the S3 Canary for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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/SU1Z0isxPaozGVKXdv0eY/version/1/logging/s3canary/test-s3canary HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=updated-test-s3canary
```

Response Example
DELETE /service/ service_id /version/ version /logging/s3canary/ name

Delete the S3 Canary for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/s3canary/test-s3canary 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>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint.</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>period</td>
<td>integer</td>
<td>How frequently the logs should be dumped (in seconds, default 3600).</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>------------------</td>
<td>---------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>When to execute the cloudfiles. If empty, 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 (/api/auth#tokens) of a user with at least **Engineer** permissions ([guides/user-access-and-control/configuring-user-roles-and-permissions](https://docs.fastly.com/guides/user-access-and-control/configuring-user-roles-and-permissions)).

**Request Example**

```
GET /service/SUI2isxPaozGVKxv0eY/version/1/logging/cloudfiles 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/cloudfiles/name

Get the cloudfiles for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

GET /service/SU1Z0isxPaozGVXd0eY/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
```json
{
    "access_key": "AKIAIOSFODNN7EXAMPLE",
    "bucket_name": "my_corporate_bucket",
    "created_at": "2016-06-15T17:16:20+00:00",
    "deleted_at": "null",
    "format": "%h %l %u %t "%r" %>s %b",
    "format_version": 1,
    "gzip_level": 0,
    "message_type": "classic",
    "name": "test-cloudfiles",
    "path": "null",
    "period": "3600",
    "placement": "null",
    "response_condition": "",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
    "updated_at": "2016-06-15T17:16:20+00:00",
    "user": "username",
    "version": "1"
}
```

**POST**  `/service/ service_id /version/ version /logging/cloudfiles`

Create a cloudfiles for a particular service and version

**Authentication**

**API token** ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)) of a user with at least [**Engineer** permissions](https://docs.fastly.com/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```shell
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 \  
   &bucket_name=my_corporate_bucket \  
   &access_key=AKIAIOSFODNN7EXAMPLE \  
   &secret_key=wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY
```

**Response Example**

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

Update the cloudfiles for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
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/ version /logging/cloudfiles/ name

Delete the cloudfiles for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least [Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions)].

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/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

https://docs.fastly.com/api/aio
Fastly will upload log messages to the DigitalOcean Space in the format specified in the DigitalOcean Spaces object.

**IMPORTANT:** This feature is part of a limited availability release. For more information, see our product and feature lifecycle (/guides/fastly-product-lifecycle/#limited-availability) 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 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>period</td>
<td>integer</td>
<td>How frequently the logs should be dumped (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>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).</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.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>When to execute the DigitalOcean object. If empty, 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/digitalocean`

List all of the DigitalOcean Spaces for a particular service and version

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/aio)) of a user with at least **Engineer permissions** ([/guides/user-access-and-control/configuring-user-roles-and-permissions](https://docs.fastly.com/api/aio)).

**Request Example**
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/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": "1",
    "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"
}
]

GET /service/ service_id /version/ version /logging/digitalocean/ name

Get the DigitalOcean Space for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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
POST /service/ service_id /version/ version /logging/digitalocean

Create a DigitalOcean Space for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least [Engineer permissions](/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
POST /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=wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY
```

▼ Response Example

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

**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 DigitalOcean Spaces object (used to select the correct DigitalOcean Spaces object if the name has been changed).</td>
</tr>
</tbody>
</table>

**Request Example**

```plaintext
PUT /service/SU1Z0isxPaozGVKXd0eY/version/1/logging/digitalocean/test-digitalocean HTTP/1.1

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

name=updated-test-digitalocean
```

**Response Example**
### DELETE /service/ service_id /version/ version /logging/digitalocean/ name

Delete the DigitalOcean Space for a particular service and version

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)) of a user with at least [Engineer permissions](https://docs.fastly.com/guides/user-access-and-control/configuring-user-roles-and-permissions).

#### Request Example

```
DELETE /service/SU1Z0isxPaozGVXdv0eY/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"
}
```
FTP

Fastly will upload log messages periodically to the server, and 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>
<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 1 (the default, version 1 log format) or 2 (the version 2 log format).</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>hostname</td>
<td>string</td>
<td>Hostname used.</td>
</tr>
<tr>
<td>ipv4</td>
<td>string</td>
<td>IPv4 address of the host.</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 ftp endpoint.</td>
</tr>
</tbody>
</table>
### Field List

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>password</td>
<td>string</td>
<td>The password for the server (for anonymous use an email address).</td>
</tr>
<tr>
<td>path</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>period</td>
<td>integer</td>
<td>How frequently the logs should be dumped (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.</td>
</tr>
<tr>
<td>port</td>
<td>integer</td>
<td>The port number.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>When to execute the ftp. If empty, 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>user</td>
<td>string</td>
<td>The username for the server (can be anonymous).</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/ftp

List all of the FTPs for a particular service and version

**Authentication**

API token (/api/auth#tokens) of a user with at least **Engineer** permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**
GET /service/SU1Z0isxPaozGVXxdv0eY/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

[  
  {  
      "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": "1",
      "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": "SU1Z0isxPaozGVXxdv0eY",
      "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
      "updated_at": "2016-05-17T18:27:29+00:00",
      "user": "anonymous",
      "version": "1"
  
  }
]

GET /service/ service_id /version/ version /logging/ftp/ name

Get the FTP for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

GET /service/SU1Z0isxPaozGVXxdv0eY/version/1/logging/ftp/test-ftp HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
POST /service/ service_id /version/ version /logging/ftp

Create a FTP for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
POST /service/SU1Z0isxPaozGVXdv0eY/version/1/logging/ftp HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-ftp&amp;address=example.com&amp;user=anonymous&amp;password=ftp@example.com&amp;path=/
```

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": "1",
    "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": "SU1Z0isxPaozGVXdv0eY",
    "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
    "updated_at": "2016-05-17T18:27:29+00:00",
    "user": "anonymous",
    "version": "1"
}
```
**Update the FTP for a particular service and version**

**Authentication**

API token (/api/auth#tokens) of a user with at least **Engineer** permissions (/guides/user-access-and-control/configuring-user-roles-and-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/SU1Z0isxPaozGVKXdv0eY/version/1/logging/ftp/test-ftp HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=updated-test-ftp
```

**Response Example**
DELETE /service/ service_id /version/ version /logging/ftp/ name

Delete the FTP for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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, and in the format specified in the BigQuery 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 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. Must produce JSON that matches the schema of your BigQuery table.</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.</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>response_condition</td>
<td>string</td>
<td>When to execute the BigQuery logging rule. If empty, 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/bigquery

List all of the BigQueries for a particular service and version

**Authentication**

API token (/api/auth#tokens) of a user with at least [Engineer permissions](/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

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

**Response Example**

```
HTTP/1.1 200 OK
Content-Type: application/json
```
Get the BigQuery Logging for a particular service and version

Authentication

```
GET /service/ service_id /version/ version /logging/bigquery/ name
```

Get the BigQuery Logging for a particular service and version
API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
GET /service/SU1Z0isxPaozGVXdv0eY/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
```
POST /service/ service_id /version /version /logging/bigquery

Create BigQuery Log for a particular service and version

Authentication

API token (/api/auth/tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).
Request Example

```
POST /service/SU1Z0isxPaozGVXKdv0eY/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-----
MIIEvgIBADANBgkqhkiG9w0BAQEFAASCBKgwggSkAgEAAoIBAQCh9PS7
Yd5AL/nmvOaYVNozFJB/VWSS3KWB1L769KJvlmgMks6r6Xrv8w6rjWXkJZeDrnXVFhUDe0F\ncnkPPIFvXRxahftWFMGArw011vQzqT4/B1ndXU5RMnxaf/8m7qG/GIF6oNYWzfJwwv/nzodxUqIRH2e2JWidNRjE1HuogYHLhV4O/0d5
pAkJFdwak/iuhuh/2/V3A3uwb3nph\n
HTTP/1.1 200 OK
Content-Type: application/json

```
PUT /service/service_id /version /version /logging/bigquery /old_name

Update the BigQuery for a particular service and version

Authentication

API token (/api/auth/tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-accounts-and-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 object (used to select the correct BigQuery object if the name has been changed).</td>
</tr>
</tbody>
</table>

Request Example

```plaintext
PUT /service/SUlZ0isxPaozGVKXdv0eY/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

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

Delete the BigQuery Logging for a particular service and version

Authentication

API token (/api/auth/tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).
Request Example

```
DELETE /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

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

GCS Logging

Fastly will upload log messages to the GCS bucket, and 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; %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>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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-------------</td>
<td>-------</td>
<td>-----------------------------------------------------------------------------</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 the logs should be dumped (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.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>When to execute the GCS logging rule. If empty, 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 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 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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

GET /service/SU1Z0isxPaozGVXdv0eY/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
GET /service/ service_id /version /version /logging/gcs/ name

Get the GCS Logging for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (//guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example
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Fastly API Documentation

GET /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
{
"bucket_name": "my_log_bucket",
"created_at": "2016-05-17T20:23:15+00:00",
"deleted_at": null,
"format": "%h %l %u %t \"%r\" %>s %b",
"format_version": "1",
"gzip_level": 0,
"message_type": "classic",
"name": "my_gcs_logging",
"path": null,
"period": "3600",
"placement": null,
"response_condition": "",
"secret_key": "-----BEGIN PRIVATE KEY-----\nMIIEvgIBADANBgkqhkiG9w0BAQEFAASCBKgwggSkAg
EAAoIBAQC7bPG9yaIYd5AL\nmvOaYvNozFJB/VWS53KWBll769kJvlmgMks6r6Xrv8w6rjxWKjZeDrnXVf7UDa0F
\nckPPIFvXRxahftWFMGArw0lIvQzgT4/BlndXU5RNxfah/8m7q/GIF6oNYWzfJwvv\nzodxDUqIRH2e2JWidNRj
ElHuogYHLhV4O/od5pAkfDwak/ihuuh/2VA3Auwb3nph\ndX2F0JBs14oPKZUTYUUSzUQY5IMxSxYUA4Q7W4v21x
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\nn7d06n75AgMBAAECggEAWRh26lNZfOwJS5sDRlbXgu/uAnSdI1JmxC6Mhz4cVGdq\nT57Y6DLrWuA4A4UkJYm3
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c7iDFJIIsNE3N4A0p+NxZ+\nw06FFW+fz/etrWiNyhrlTsbkMbSgU+GpFFBq1pCd0ni5d1YM1rsaAaUpmkwdjgjL
\noDs+M/L/HtqfEhyZNdw8JF7EJXVE1bIl7/NL0rBInhyO28FcB56t/AG5nzXKFI/c\nc+IO7d6MOOqiGRLRWZIt
EpnyzuV8DZo461wy1hSvqQKBgQDhSsg2cHkTrtBW8x0A\n3BwB/ygdkkxm1OIvfioT+JBneRufUPvVIM2aPZBBGK
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\ne1tfC8fUfsa7kdzblDhcRQ8FhwKBgQDU+N4kPzIdUuJDadd6TkBbjUNPEfZzU5+t\nIike2VSRhApxAxviUnTD
sTROwJRzKik9w7gIMka8Ek+nmLNMEtds77ttcGQRdu16\n+vT1iualiCJe+/iMbl+PiJtFwhEHECLU9QfgBVS6r2
lDAlZA+w6nwCRiidlrObzO\nCXqVOzN3fwKBgAsrOuu//bClHP0ChnCReO38aU+1/gWnDiOOnKVq0DXhAiaOzD1P
\nqAG6hZlEkFBDMPWzq62doKv+gPgpRkfmV0DenHuYnGrrHdG3p2IxYoCSuq/QupPA\nPpU+xjDMhpQI30zuu4/r
Qq+/yDl4+aoSKYB3xAtb0Zxg6dMU8QpZ/hmnAoGBAIFu\nIesbcQR7O8FGkMrmxZweNNrYCtQ57R/WU/FImWm6On
JGNmsMO6Q2jJiT12RKKjg8\nOxrYGz7vTfOIDOddyAiPhXPUSyyF/3uvCrIzUUsmeeUJ8xq9dVwQ5HS3pYuKVfDg
\nXYHbG4w9UJaF1A+3xEdUsYglSLouo7z/67zH9tZXAoGBAKpsdjSd3R+llaAv2HQ8\nGMlN92UTr5i9w++QMXq4
qspH5NEYqz3NHbKuYthZqxEsRUZbRP50eDWU4jvxFVJl\nLBFINp6B+3AsIme0YCyOaleB/Cy0347miSinSv2I6Q
iH6dQxHdHzrG+x1evS/76f\nKT0KS+ySjCAEWgg4v+mjUDUV\n-----END PRIVATE KEY-----\n",
"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
https://docs.fastly.com/api/aio

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Create GCS Logging for a particular service and version

**Authentication**

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```
POST /service/SU1Z0isxPaozGVXdxv0eY/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 Loggingbucket_name=my_log_bucket&access_key=-----BEGIN PRIVATE KEY-----
MIIEvgIBADANBgkqhkiG9w0BAQEFAASCUBgwwgSkAeGAAoIBAOQ7bPg9ya1y5AL
nmv0ayYvN3rFJU/VWS53KWB1769kJv1mg
Mks6r6xrv8w6rjzjxkijZdrXv7UDa0F
ncPPFIFvXRxahtWFPMGarw01IvqzgT4/B1ndUXU5RNfxah/8m7g/GIF6
oNYW2fjwwv/zoduxD Uganda12eWjindNReq11WluqYdHYW40/od5pAkdfWak/ihuuh/2/V2A3Auwb3nph/ndX2F0Jbzg14
oPKfYUUszUQj5lmxSxYU4Q7w4v2xl1EnJt+biXORk1rm4ieEE/nU3WkjR5c5gV8xcYwYy0d878RNFEHJm10ccgytI+1+5C3Em/jPsQfTlzwhpBnhDw4oEm/nn7d06n75AgMBAAECggEAWRhh261NZfoWJS5sDR1bxGu/uAnSd1lJmXc
6Hz4cvCGdq	N5756DLwuA44UKjYM3gorZISXWF5PQthAVb/bF8bxXY7nZYPiWHmnc09St5aAqK/ReP0vMx8aW
Q709K2UYJ+ZDUO7u2d3YMv8H8HTD43c71DFJIIIE3N4A0p+Nxz+2lW06FFW+fz/etrWynhr1TsbnMbSGU+Gp
FBQq1pCdo1ni51YMrsaAupmkwkgjgL/nodS+m/L/htqfEhyZNdW8J7EJXVE1b117/NL0rBInhy028CfB56t/A
G5nqXXJkI/c\nc+I07d6MoQqiGLRZWItEpnyzuV8Z0461wy1hSvQKBqQDHSs2cHkTrtBw80A/n3BwB/ygdkk
xml1jvifioT+JBNefRuFUPVvm2aPzZBkBKeEdDaIMGn/859XmphKjs88\nE6PrEgE206s4+hnnTrk74eWWpF9VFDkK
QCOJFJrY9mJt8gs7AnnoBa9u/J4nAwne1tc8ufUsaf7dzd1dchcR08FhwkKBQDU+N4kPIdUuJDdadd6TkbbJU
NPEF52U5+s\niNike2V SRaphAxviUnTDS3TOWJrzik9w7g1Mka8ek+nmLNMETds7t5ccGQRdu16+n+VtialIC
Je+/iMb+PiJtFwHEHCLU9rFqgBV5S6r21DA2z+a6nwCRi1d1rObz0\ncXqVoZn3K9wKgAsrOuu/+/b1CP0ChnCR
eo38auU/1/gwNDi0onKvQg0DHxAi0z2dIP/gNgAg6hZ1EKBFBMWPwsg62dcKv+gPpgRfKmVf0DenHuYnGrSzD3p2lIxYo
CSuq/QupPA\n\nPp+h+jxMhnpQI3ouw4/rQ+/yYd14+a0SKYB3xAtboZxd6MUQOzp/hmnaQ0BAIFn/IesebcQR708
FGkMrmx2xeNNYCtC57R/WU/F1mwm6onJGmMo6Q2j1T12RKKjg\nOxRyGZ7v7fOItD0ddyAiP0xuYyF/3uv
Crlz0UssemeUJ8x9q9DW5HS3pYuKVFDg\nXNYHbG4w9UJaF1A+3EdUsYg1SSouz7/6729t7XAOGBAPsdj3sD3R
+11aAv2HOPg/\nGM1N92UTri9w+/+QXMQ4gspH5NYEqzh3NHBkYuThzqxsERU2bPR50ew64jvFWJ1/nLBF1NP6B+3
AsIme0YCyQaleB/Cy0347miSinSV2I6qHi6QHdHzrg+x1evS/76f/nKT0KS+ySjCAEwgg4v+mqUDU\n/n-----END PRIVATE KEY-----
```

**Response Example**

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

Update the GCS for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Parameters

PUT /service/ service_id /version /logging/gcs/ old_name

https://docs.fastly.com/api/airo

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<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

{
    "name": "my_new_gcs_name",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "version": "1",
    "bucket_name": "my_log_bucket",
    "user": "1447182772-deadbeef479374nnphvodh4nl@developer.gserviceaccount.com",
    "secret_key": "-----BEGIN PRIVATE KEY-----
MIIEvgIBADANBgkqhkiG9w0BAQEFAASCBKgwgSkAgEAAoaIBAQC7bPG9yaYiD5AL/nmvoAvaYvNozFJB/VWS3kWB117699JvJlmgMks6r6Xrv8wv6rjxWjK2enXnvDrXvD0AF/nckPPFyvXRахftrWMGARw0l1VqzgT4/BlndXU5RNfxh/8m7q/GIF6oNYzwfJyww/nzodxDUq1RH2e2JWidNpjE1Hu9qYHLhV40/o/d5pAkfdwak/iuuhu/2V3Ajuw3nph/ndX2F0JD14oPKZUTYUSU5qUQ51M6sxYUAgQ7W4v21x1enJt+biXoERk1rm4ieEE/nu3WkjR5c5gv8xcWyYod87RNFEJmHcCytI1+t5C3Em/jPsQFtLzwHpbNhDw4oEm/nn7d06n75AgaBAAEcvegeEAWAREh2/61NzGwJS5sDrlBxgu/uSndi1JmxC6Mhz4cVdQd/nt757Y6DLWruAD4aUkJym3gorziSWF5Pq0tAvh/bf8bxy7YnZyEpwHnc09Sd5aAaq/nRep0vMxw8AQ709K2UYjg+zDU0u2d3YmV8H8H5TD43c7iDFJiISB3N4A0p+NZ4/+nw6FFW+Fz/etrWiYhr1TsbkmBsgU+GpFFBqlPCd0i5d1YM1rsaAupkwdjgjL/nd+Ma6L/htQfheyo2Ndvw8J8F7EJXVEl1b17/NL0rBInhyO28Fcb56c/AG5nZKFI/cnc+1O7d6M0Oq1gRLRWtEpnzyuV8Z0d46lvyHsvQqKBqDhs2cHkTrtBW8X0A/n3Bw/ygdkkkkmo1VfioT+jBneRufUPvVM2aPZBBGK
EeedDAmIgn/8f9XAHhKjes8B/nEsPRgE206s4+hnrTC7AeWWPVmN9FDkrkQC0JFuJrNy9mjt8gs7AnnoBa9u/J4nAW/ne1tfC8ufusa7kdzhDhrcRq8FwhKBqD0U+N4kPzIdUuJDadd6TkBbojUNPEF2zuU5+t/Nike2VSRRhAxpvx1UnTD/stRoWJrZKiK9w7g1Mka8Ek+nlMNMETds7t7ttcQRdul6qV+tLiaiicJe+/imBl+PiJtFwHEHCUl9Qf6V8s6r21dAL2A+w6ncwRIud1r0bzo/ncXqVozN3fwKBsAsr0u0/bc1HP0ChncR038uU+1/gWnDiooNKvQDXhAiaoz1P/nqAG6h21EKFBDMwzq62doKv+gPPgRkfmVOdenHyNgrHDG2piXoCSug/QupPA9npU+xjDmhpQI30zuU4+rQq+/yD14+aoSKYBx3Atb02xq6dMU0pZ/hamnAoGBAI9u/Ie4sbqCR78OBGKMrmxZwennYct5q7R/WU/FlwMm6onJGNmsw06Qj1i12Rkki8/nOxryG7tvF0IDOddyAipXXpusyYF/3u1Cr1zUsmeeyJXug9Qw5H9f3pYuKVFdG/nXYHbgG4J9UJLcF1A+3xEdUsYgL1Ls0u7z/62Z9tXAOBAKpsdjd3S+11aAv2HQ8/nGMN29UT5i9w++QMxqgsp5NlEYqz3NhbYuYth2QexUzrbRP50eDUw4jvxFVj1/nLBF1np6b+3AsIme0YOcaLeB/Cy0347misInSV216Qih6QX3hdHhrG+xlevv/76f/kK70KsYsJCAEwgg4v+mgDUV

-----END PRIVATE KEY-----

"response-condition": "",
"format": "%h %l %u %t ""%r" "%s "b",
"timestamp-format": "%Y-%m-%d\TH:%M:%S.000"
```
DELETE /service/ service_id /version/ version /logging/gcs/ name

Delete the GCS Logging for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

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"
}

Logshuttle

Fastly will upload log messages to the log-shuttle bucket, and 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>
</tbody>
</table>
### Fastly API Documentation

**Field**

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>When to execute the logshuttle. If empty, 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/ service_id /version/ version /logging/logshuttle

List all of the logshuttles for a particular service and version

**Authentication**

API token (/api/auth#tokens) of a user with at least [Engineer permissions](/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

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

**Response Example**

```text
HTTP/1.1 200 OK
Content-Type: application/json
```
GET /service/ service_id /version/ version /logging/logshuttle/ name

Get the logshuttle for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```plaintext
GET /service/SU1Z0isxPaozGVXdv0eY/version/1/logging/logshuttle/test-logshuttle HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

Response Example

```plaintext
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": 1,
    "name": "test-logshuttle",
    "placement": null,
    "response_condition": "",
    "service_id": "SU1Z0isxPaozGVXdv0eY",
    "token": null,
    "updated_at": "2016-06-02T22:31:06+00:00",
    "url": "https://east.logplex.io/logs",
    "version": "1"
}
```
**POST** /service/ service_id /version/ version /logging/logshuttle

Create a logshuttle for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least [Engineer](/guides/user-access-and-control/configuring-user-roles-and-permissions) 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 \n        &app_name=t.abc123 \n        &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": 1,
    "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/ version /logging/logshuttle/ old_name

Update the logshuttle for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least [Engineer](/guides/user-access-and-control/configuring-user-roles-and-permissions) permissions.
DELETE /service/service_id/version/version/logging/logshuttle/name

Delete the logshuttle for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

<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 logshuttle object (used to select the correct logshuttle object if the name has been changed).</td>
</tr>
</tbody>
</table>

Request Example

**PUT** /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/logshuttle/test-logshuttle

HTTP/1.1

Fastly-Key: YOUR_FASTLY_TOKEN

Content-Type: application/x-www-form-urlencoded

Accept: application/json

name=updated-test-logshuttle

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": 1,
    "name": "updated-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"
}
```
DELETE /service/SU120isxPaozGVKXdv0eY/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, and 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>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 1 (the default, version 1 log format) or 2 (the version 2 log format).</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.</td>
</tr>
<tr>
<td>port</td>
<td>integer</td>
<td>The port number.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>When to execute the logentry. If empty, always execute.</td>
</tr>
</tbody>
</table>
### field | type | description
--- | --- | ---
**service_id** | string | The alphanumeric string identifying a service.

**token** | string | Use token based authentication ([https://logentries.com/doc/input-token/](https://logentries.com/doc/input-token/)).

**updated_at** | string | Time-stamp (GMT) when the endpoint was updated.

**use_tls** | boolean | Whether to use TLS for secure logging.

**version** | integer | The current version of a service.

### Actions

**GET /service/ service_id /version/ version /logging/logentries**

List all of the Logentries for a particular service and version

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)) of a user with at least [Engineer permissions](https://docs.fastly.com/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/logentries 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/logentries/ name

Get the Logentry for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/logentries/test-logentries 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/ version /logging/logentries

Create a Logentry for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
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

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

Update the Logentry for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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 Logentry object (used to select the correct Logentry object if the name has been changed).</td>
</tr>
</tbody>
</table>

Request Example

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

name=updated-test-logentries
```

Response Example

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

Delete the Logentry for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

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

Response Example

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

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

Loggly

Fastly will stream log messages to the Loggly account, and in the format specified in the Loggly object. This feature is part of a limited availability release. For more information, see our product and feature life cycle descriptions (/guides/fastly-product-lifecycle/#limited-availability). If you would like to try it, please contact support@fastly.com (mailto:support@fastly.com).

https://docs.fastly.com/api/aio
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>format_version</td>
<td>integer</td>
<td>The version of the custom logging format used for the configured endpoint. Can be either 1 (the default, version 1 log format) or 2 (the version 2 log format).</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>When to execute the loggly. If empty, always execute.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed.</td>
</tr>
</tbody>
</table>

Actions

**GET** /service/ service_id /version/ version /logging/loggly/ name

Get the Loggly for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
GET /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
```
List all of the Logglies for a particular service and version

Authentication

API token ([api/auth#tokens](/api/auth#tokens)) of a user with at least [Engineer permissions](/guides/user-access-and-control/configuring-user-roles-and-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": "1",
    "token": "deadbeef",
    "placement": null
  }
]
```

Create a Loggly for a particular service and version

Authentication
**API token** ([/api/auth#tokens](https://docs.fastly.com/api/aio#tokens)) of a user with at least [Engineer](https://docs.fastly.com/api/aio#engineer) permissions ([/guides/user-access-and-control/configuring-user-roles-and-permissions](https://docs.fastly.com/api/aio/guides/user-access-and-control/configuring-user-roles-and-permissions)).

**Request Example**

```plaintext
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**

```plaintext
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": "1",
  "token": "deadbeef",
  "placement": null
}
```

**PUT** /service/ service_id /version/ version /logging/loggly/ old_name

Update the Loggly for a particular service and version

**Authentication**

**API token** ([/api/auth#tokens](https://docs.fastly.com/api/aio#tokens)) of a user with at least [Engineer](https://docs.fastly.com/api/aio#engineer) permissions ([/guides/user-access-and-control/configuring-user-roles-and-permissions](https://docs.fastly.com/api/aio/guides/user-access-and-control/configuring-user-roles-and-permissions)).

**Request Example**

```plaintext
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**

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

Delete the Loggly for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

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, and in the format specified in the Heroku object. This feature is part of a limited availability release. For more information, see our product and feature life cycle descriptions (/guides/fastly-product-lifecycle/#limited-availability). If you would like to try it, please contact support@fastly.com.

Fields

<table>
<thead>
<tr>
<th>field</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td></td>
<td></td>
</tr>
<tr>
<td>service_id</td>
<td></td>
<td></td>
</tr>
<tr>
<td>version</td>
<td></td>
<td></td>
</tr>
<tr>
<td>response_condition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>format</td>
<td></td>
<td></td>
</tr>
<tr>
<td>format_version</td>
<td></td>
<td></td>
</tr>
<tr>
<td>token</td>
<td></td>
<td></td>
</tr>
<tr>
<td>placement</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Heroku Rule 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 1 (the default, version 1 log format) or 2 (the version 2 log format).</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed.</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>
<tr>
<td>response_condition</td>
<td>string</td>
<td>When to execute the heroku. If empty, always execute.</td>
</tr>
</tbody>
</table>

### Actions

**GET /service/ service_id /version/ version /logging/heroku/ name**

Get the Heroku for a particular service and version

**Authentication**

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```plaintext
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/heroku/test-heroku 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/heroku

List all of the Herokus for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

GET /service/SU1Z0isxPaozGVKXdv0eY/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": "SU1Z0isxPaozGVKXdv0eY",
    "version": "1",
    "response_condition": "",
    "format": "%h %l %u %t \"%r\" "%s %b",
    "format_version": "1",
    "placement": null,
    "token": "deadbeef",
    "url": "https://1.us.logplex.io/logs"
  }
]

POST /service/ service_id /version/ version /logging/heroku
Create a Heroku for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
POST /service/SU1Z0isxFsaozGVXvdv0eY/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": "SU1Z0isxFsaozGVXvdv0eY",
  "version": "1",
  "response_condition": "",
  "format": "%h %l %u %t "%r" %>s %b",
  "format_version": "1",
  "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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
PUT /service/SU1Z0isxFsaozGVXvdv0eY/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
```
### DELETE /service/ service_id /version/ version /logging/heroku/ name

Delete the Heroku for a particular service and version

**Authentication**

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```plaintext
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/heroku/test-heroku 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"
}
```

### Openstack

Fastly will upload log messages to the OpenStack bucket, and 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. Can be either 1 (the default, version 1 log format) or 2 (the version 2 log format).</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 the logs should be dumped (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.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>--------------------</td>
<td>-------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>When to execute the openstack. If empty, 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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/openstack 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/openstack/ name

Get the openstack for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```bash
GET /service/SU1Z0isxPaozGVXdv0eY/version/1/logging/openstack/test-openstack HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

```text
HTTP/1.1 200 OK
Content-Type: application/json
```
POST /service/service_id/version/logging/openstack

Create a openstack for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
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=wJalrXUttnFEMI/K7MDENG/bPXRfiCYEXAMPLEKEY
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json
```
```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": "1",
  "gzip_level": "0",
  "message_type": "classic",
  "name": "test-openstack",
  "path": "",
  "period": "3600",
  "placement": 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 (/api/auth#tokens) of a user with at least **Engineer** permissions (/guides/user-access-and-control/configuring-user-roles-and-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**

```
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**
### DELETE /service/ service_id /version/ version /logging/openstack/ name

Delete the openstack for a particular service and version

#### Authentication

API token ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)) of a user with at least Engineer permissions ([/guides/user-access-and-control/configuring-user-roles-and-permissions](https://docs.fastly.com/guides/user-access-and-control/configuring-user-roles-and-permissions)).

#### Request Example

```
DELETE /service/SU1Z0isxPaozGVXdv0eY/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, and 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>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>
<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 papertrail rule.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed.</td>
</tr>
<tr>
<td>port</td>
<td>integer</td>
<td>The port number.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>When to execute the papertrail. If empty, always execute.</td>
</tr>
<tr>
<td>service_id</td>
<td>string</td>
<td>The alphanumeric string identifying a service.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Time-stamp (GMT) when the endpoint was updated.</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/papertrail

List all of the Papertrails for a particular service and version
Authentication

API token (/api/auth#tokens) of a user with at least **Engineer** permissions (//guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```plaintext
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": "1",
   "hostname": "example.com",
   "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 (/api/auth#tokens) of a user with at least **Engineer** permissions (//guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

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

▼ Response Example
POST /service/service_id/version/version/logging/papertrail

Create a Papertrail for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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

-responsive Example

HTTP/1.1 200 OK
Content-Type: application/json
Update the Papertrail for a particular service and version

**Authentication**

API token (/api/auth#tokens) of a user with at least [Engineer permissions](/guides/user-access-and-control/configuring-user-roles-and-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**

```plaintext
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
```

**Response Example**

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

Delete the Papertrail for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
DELETE /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

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

Scalyr

Fastly will stream log messages to the Scalyr account, and 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.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Can be either 1 (the default, version 1 log format) or 2 (the version 2 log format).</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>When to execute the scalyr. If empty, always execute.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be placed.</td>
</tr>
</tbody>
</table>

**Actions**

**GET**  
/service/ service_id /version/ version /logging/scalyr/ name

Get the Scalyr for a particular service and version

**Authentication**

API token (/api/auth#tokens) of a user with at least **Engineer** permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

**Request Example**

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

**Response Example**

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json
```
```json
{
   "name": "test-scalyr",
   "service_id": "SU1Z0isxPaozGVKXdv0eY",
   "version": "1",
   "response_condition": "",
   "placement": "null",
   "format": "%h %l %u %t \"%r\" %>s %b",
   "format_version": "1",
   "token": "deadbeef"
}
```

**GET**  
/service/ service_id /version/ version /logging/scalyr

List all of the Scalyrs for a particular service and version

**Authentication**

API token (/api/auth#tokens) of a user with at least [Engineer permissions](/guides/user-access-and-control/configuring-user-roles-and-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": "1",
   "token": "deadbeef"
}
]
```

**POST**  
/service/ service_id /version/ version /logging/scalyr

Create a Scalyr for a particular service and version

**Authentication**
API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
POST /service/SU1Z0isxPaozGVXdv0eY/version/1/logging/scalyr HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=test-scalyr&token=deadbeef&url=https://1.us.logplex.io/logs
```

Response Example

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

{
    "name": "test-scalyr",
    "service_id": "SU1Z0isxPaozGVXdv0eY",
    "version": "1",
    "response_condition": "",
    "placement": null,
    "format": "%h %l %u %t "%r" %>s %>b",
    "format_version": "1",
    "token": "deadbeef"
}
```

**Update the Scalyr for a particular service and version**

**Authentication**

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
PUT /service/ service_id /version/ version /logging/scalyr/ old_name 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
```
DELETE /service/ service_id /version/ version /logging/scalyr/ name

Delete the Scalyr for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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"
}

Sumologic

Fastly will POST messages to the Sumo Logic account, and 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>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-----------------</td>
<td>-------</td>
<td>--------------------------------------------------------------</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</td>
</tr>
<tr>
<td></td>
<td></td>
<td>configured endpoint. Can be either 1 (the default, version</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 log format) or 2 (the version 2 log format).</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 sumologic rule.</td>
</tr>
<tr>
<td>placement</td>
<td>string</td>
<td>Where in the generated VCL the logging call should be</td>
</tr>
<tr>
<td></td>
<td></td>
<td>placed.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>When to execute the sumologic. If empty, 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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).
Request Example

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

▼ Response Example

```http
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": "1",
    "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"
  }
]
```

GET /service/service_id/version/version/logging/sumologic/name

Get the Sumologic for a particular service and version

Authentication

**API token** ([/api/auth#tokens](https://docs.fastly.com/api/auth)) of a user with at least [Engineer permissions](https://guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

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

▼ Response Example

```http
HTTP/1.1 200 OK
Content-Type: application/json
```
POST /service/ service_id /version/ version /logging/sumologic

Create a Sumologic for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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 (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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/SU1Z0issxPaozGVXdv0eY/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
```
DELETE /service/ service_id /version/ version /logging/sumologic/ name

Delete the Sumologic for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

```
DELETE /service/SU1Z0isxPaozGVXdv0eY/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

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

Syslog

Fastly will stream log messages to the location, and in the format, specified in the Syslog object.

Fields

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

```
<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></td>
<td></td>
<td>Can be either 1 (the default, version 1 log format) or 2 (the version 2 log format).</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.</td>
</tr>
<tr>
<td>port</td>
<td>integer</td>
<td>The port number.</td>
</tr>
<tr>
<td>response_condition</td>
<td>string</td>
<td>When to execute the syslog. If empty, always execute.</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** /logging/syslog

List all of the Syslogs for a particular service and version.

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)) of a user with at least [Engineer permissions](https://docs.fastly.com/guides/user-access-and-control/configuring-user-roles-and-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
```
GET /service/ service_id /version/ version /logging/syslog/ name

Get the Syslog for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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
POST /service/service_id/version/logging/syslog

Create a Syslog for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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

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

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-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

```
PUT /service/SU1Z0isxPaozGVXKdv0eY/version/1/logging/syslog/test-syslog HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json

name=updated-test-syslog
```

▼ Response Example
DELETE /service/ service_id /version/ version /logging/syslog/ name

Delete the Syslog for a particular service and version

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

Request Example

DELETE /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

{ "status": "ok" }
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.

Utilities (/api/tools)

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.

Authentication

API token (/api/auth#tokens) of a user with at least Engineer permissions (/guides/user-access-and-control/configuring-user-roles-and-permissions).

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
```
[{
  "hash": "c6447943be2fff04787d9367dd58fa0",
  "request": {
    "headers": {
      "Host": "www.example.com/foo/bar",
      "User-Agent": "Fastly/cache-check"
    },
    "method": null,
    "url": null
  },
  "response": {
    "headers": {
      "Accept-Ranges": "bytes",
      "Age": "0",
      "Connection": "keep-alive",
      "Content-Length": "154189",
      "Content-Type": "text/html; charset=UTF-8",
      "Date": "Mon, 06 Jun 2016 15:26:05 GMT",
      "ETag": "W/""76cde069e25c5e32bb8005982d3f8e0d"",
      "Expires": "Thu, 01 Jan 1970 00:00:00 GMT",
      "Set-Cookie": [
        "crumb=EUmnHJvt3XCJP2h2mlzWCVNzOHq5Wh1;Path=/",
        "SS_MID=7b22de59-a0ca-4d2f-aea2-dbe33790ba3ip466npy;Path=/;Domain=.example.com;Expires=Thu, 04-Jun-2026 15:26:05 GMT"
      ],
      "Vary": "Accept-Encoding, User-Agent",
      "Via": "1.1 varnish",
      "X-Cache": "MISS",
      "X-Cache-Hits": "0",
      "X-ContextId": "P0IlaNKm/roP4a7jq",
      "X-PC-AppVer": "7951",
      "X-PC-Date": "Mon, 06 Jun 2016 15:26:04 GMT",
      "X-PC-Hit": "true",
      "X-PC-Host": "127.0.0.1",
      "X-PC-Key": "OZs6DMRDUx2Tj7xXJlb6ZwnZJ2cl-example",
      "X-Served-By": "cache-sjc3120-SJC",
      "X-ServedBy": "web029",
      "X-Timer": "S1465226764.194256,VS0,VE1054",
      "X-Via": "1.1 echo007"
    },
    "status": 200
  },
  "response_time": 2.604431,
  "server": "cache-sjc3120",
  "pop": "SJC"
}]

Datacenter
List Fastly datacenters and their locations.

**Actions**

**GET  /datacenters**

Get a list of all Fastly datacenters.

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)).

**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

```plaintext
HTTP/1.1 200 OK
Content-Type: application/json
```
[{
  "actions": [
    {
      "authentication": "key_or_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,
      "error_threshold": 0,
      "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.",
"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.",
"error_threshold Integer. Number of errors to allow before the backend is marked as down.",
"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. The shield POP designated to reduce inbound load on this origin by serving the cached data to the rest of the network.",
"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/man
docs/master/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/: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

```bash
GET /docs/subject/:subject HTTP/1.1
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/json
```
{
    "actions": [
        {
            "authentication": "key_or_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,",
                "  \"error_threshold\": 0,",
                "  \"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",
                "]"
            }
        }
    ]
}
A backend is an address (IP or domain) from which Fastly pulls content. There can be multiple backends for a service.

"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.,
"error_threshold": Integer. Number of errors to allow before the backend is marked as down.,
"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. The shield POP designated to reduce inbound load on this origin by serving the cached data to the rest of the network.,
"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 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.
"section": "backend"
}

**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/:section HTTP/1.1

Response Example

HTTP/1.1 200 OK
Content-Type: application/json
{  
  "actions": [  
    
    "authentication": "key_or_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,
          "error_threshold": 0,
          "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.
"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.
"error_threshold": Integer. Number of errors to allow before the backend is marked as down.
"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. The shield POP designated to reduce inbound load on this origin by serving the cached data to the rest of the network.
"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 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.
Public IP List

To help you whitelist Fastly's services through your firewall, we provide access to the list of Fastly's assigned IP ranges.

Actions

**GET** /public-ip-list

List public IP addresses for Fastly network

Authentication

None.

Request Example

```
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",
        "202.21.128.0/24",
        "203.57.145.0/24"
    ]
}
```

WAF (/api/waf)
Fastly offers a web application firewall (WAF) ([/guides/web-application-firewall/](https://docs.fastly.com/api/aio/337/381)) security service 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.

**IMPORTANT:** This feature 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 ([/guides/fastly-product-lifecycle/#limited-availability](https://docs.fastly.com/api/aio/337/381)) descriptions.

### 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 (/api/auth#tokens).

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 wafs.</td>
</tr>
<tr>
<td>page[number]</td>
<td>integer</td>
<td>Request a specific page of wafs.</td>
</tr>
<tr>
<td>include</td>
<td>string</td>
<td>Include relationships. Optional, comma separated values.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Permitted values: configuration_set, owasp.</td>
</tr>
</tbody>
</table>

Request Example

```
GET /service/SU1Z0isxPaozGVXdv0eY/version/1/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 /service/ service_id /version/ version /wafs/ waf_id

Get a specific firewall object.

Authentication

API token (/api/auth#tokens).

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>
</tbody>
</table>
### Create a firewall object for a particular service and version.

**POST** /service/service_id/version/version/wafs

Create a firewall object for a particular service and version.

**Authentication**

API token (/api/auth#tokens).

**Request Example**

```
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/wafs/3N9YFqslrxuURkTPXGwQbX
```

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

{
  "data": {
    "attributes": {
      "last_push": "2016-08-16 17:05:13 UTC",
      "prefetch_condition": "WAF-Condition",
      "response": "WAF_Error",
      "version": "1",
      "service_id": "SU1Z0isxPaozGVKXdv0eY",
      "disabled": false,
      "rule_statuses_log_count": 235,
      "rule_statuses_block_count": 34,
      "rule_statuses_disabled_count": 2
    },
    "id": "3N9YFqslrxuURkTPXGwQbX",
    "relationships": {
      "configuration_set": {
        "data": {
          "id": "3X2wuHEBldz3Hv9HCmxGdL",
          "type": "configuration_set"
        }
      }
    }
  }
  "type": "waf"
}
```
PATCH /service/SU1Z0isxPaozGVXdv0eY/version/1/wafs HTTP/1.1

Update a firewall object for a particular service and version.

Authentication
API token (/api/auth#tokens).

Request Example

```plaintext
PATCH /service/SU1Z0isxPaozGVKXdv0eY/version/1/wafs/3N9YFqs1rxuURkTPXGwQbX HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json

{
    "data": {
        "attributes": {
            "response": "new response"
        },
        "id": "3N9YFqs1rxuURkTPXGwQbX",
        "type": "waf"
    }
}
```

Response Example

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

{
    "data": {
        "id": "3N9YFqs1rxuURkTPXGwQbX",
        "type": "waf",
        "attributes": {
            "last_push": null,
            "prefetch_condition": "WAF-Condition",
            "response": "new response",
            "version": "1",
            "service_id": "SU1Z0isxPaozGVKXdv0eY",
            "disabled": false,
            "rule_statuses_log_count": 235,
            "rule_statuses_block_count": 34,
            "rule_statuses_disabled_count": 2
        },
        "relationships": {
            "configuration_set": {
                "data": {
                    "id": "3X2wuHEBldz3Hv9HCmxGdL",
                    "type": "configuration_set"
                }
            }
        }
    }
}
```

```plaintext
PATCH /wafs/ waf_id /disable
```
Temporarily disable a firewall object 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.

Authentication

**API token** ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)).

**Request Example**

```plaintext
PATCH /wafs/3N9YFqslrxuURkTPXGwQbX/disable HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json

{
    "data": {
        "id": "3N9YFqslrxuURkTPXGwQbX",
        "type": "waf"
    }
}
```

**Response Example**

```plaintext
HTTP/1.1 202 Accepted
Content-Type: application/vnd.api+json
```
PATCH /wafs/ waf_id /enable

Re-enable a firewall object for a particular service and version after it has been temporarily 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.

Authentication

API token (/api/auth#tokens).

Request Example

PATCH /wafs/3N9YFqs1rxuURkTPXGwQbX/enable HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json
```json
{
    "data": {
        "id": "3N9YFqslrxuURkTPXGwQbX",
        "type": "waf",
        "attributes": {
            "last_push": null,
            "prefetch_condition": null,
            "response": null,
            "version": null,
            "service_id": "SU1Z0isxPaozGVXdv0eY",
            "disabled": false,
            "rule_statuses_log_count": 235,
            "rule_statuses_block_count": 34,
            "rule_statuses_disabled_count": 2
        },
        "relationships": {
            "configuration_set": {
                "data": {
                    "id": "3X2wuHEBldz3Hv9HCMxGdL",
                    "type": "configuration_set"
                }
            }
        },
        "links": {
            "related": {
                "href": "https://api.fastly.com/service/SU1Z0isxPaozGVXdv0eY/wafs/3N9YFqslrxuURkTPXGwQbX/update_statuses/yAyllcStMcOSNlg6FYhZ6"
            }
        }
    }
}
```

**GET** /wafs

List all active firewall objects.

**Authentication**

API token (/api/auth#tokens).
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 wafs to a specific rule ID.</td>
</tr>
<tr>
<td>[rule_id]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>filter[customer_id]</td>
<td>integer</td>
<td>Limit the returned wafs to a specific customer.</td>
</tr>
<tr>
<td>page[size]</td>
<td>integer</td>
<td>Limit the number of returned wafs.</td>
</tr>
<tr>
<td>page[number]</td>
<td>integer</td>
<td>Request a specific page of wafs.</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/ waf_id

Get a specific firewall object.

Authentication

API token (/api/auth#tokens).

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/3N9YFqslrRXuURkTPXGwQbX 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": {
         "last_push": "2016-08-16 17:05:13 UTC",
         "prefetch_condition": "WAF-Condition",
         "response": "WAF_Error",
         "version": "1",
         "service_id": "SU1Z0isxPaozGVKXd0eY",
         "disabled": false,
         "rule_statuses_log_count": 235,
         "rule_statuses_block_count": 34,
         "rule_statuses_disabled_count": 2
      },
      "id": "3N9YFqslrRXuURkTPXGwQbX",
      "relationships": {
         "configuration_set": {
            "data": {
               "id": "3X2wuHEBldz3Hv9HCmxGdL",
               "type": "configuration_set"
            }
         },
         "type": "waf"
      }
   }
}

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/2).</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>---------------------------</td>
<td>---------</td>
<td>-----------------------------------------------------------------------------</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 1000000).</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 0).</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 1).</td>
</tr>
<tr>
<td>high_risk_country_codes</td>
<td>string</td>
<td>A space-separated list of high-risk country codes.</td>
</tr>
<tr>
<td>httpViolationScoreThreshold</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 injection attack threshold.</td>
</tr>
<tr>
<td>field</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>----------</td>
<td>-----------------------------------------------------------------------------</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>
<tr>
<td>notice_anomaly_score</td>
<td>integer</td>
<td>Score value to add for notice anomalies (default 0).</td>
</tr>
<tr>
<td>paranoia_level</td>
<td>integer</td>
<td>The configured paranoia level (default 1).</td>
</tr>
<tr>
<td>php_injection_score_threshold</td>
<td>integer</td>
<td>PHP injection threshold.</td>
</tr>
<tr>
<td>rce_score_threshold</td>
<td>integer</td>
<td>Remote code execution threshold.</td>
</tr>
<tr>
<td>restricted_headers</td>
<td>string</td>
<td>A space-separated list of allowed header names (default /proxy/ /lock-token/ /content/ /translate/ /if/).</td>
</tr>
<tr>
<td>rfi_score_threshold</td>
<td>integer</td>
<td>Remote file inclusion attack threshold.</td>
</tr>
<tr>
<td>session_fixation_score_threshold</td>
<td>integer</td>
<td>Session fixation attack threshold.</td>
</tr>
<tr>
<td>sql_injection_score_threshold</td>
<td>integer</td>
<td>SQL injection attack threshold.</td>
</tr>
</tbody>
</table>
field | type     | description
---|----------|-------------------
total_arg_length | integer  | The maximum size of argument names and (default 6400).
updated_at | string   | Date and time that the settings object was updated.
warning_anomaly_score | integer  | Score value to add for warning anomalies.
xss_score_threshold | integer  | XSS attack threshold.

**Actions**

**GET** /service/ service_id /wafs/ waf_id /owasp

Get an OWASP settings object for a particular service and firewall.

**Authentication**

API token (/api/auth#tokens).

**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/SU1Z0isxPaozGVKXdv0eY/wafs/3N9YFqslrxuURkTPXGwQbX/owasp 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": "3EfaBF7gWjOUxJc8Py1EIIt",
    "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,
      "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_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": "x4xCwxxJxGCx123Rx5xTx"
        }
      }
    }
  }
}
POST /service/ service_id /waf_id /owasp

Create an OWASP settings object for a particular service and firewall.

Authentication

API token (/api/auth#tokens).

Request Example

```
POST /service/SU1Z0isxPaozGVXdv0eY/wafs/3N9YFqs1rxuURkTPXGwQbX/owasp HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json

{
   "data": {
      "type": "owasp"
   }
}
```

Response Example

```
HTTP/1.1 201 Created
Content-Type: application/vnd.api+json
```
{  "data": {    "id": "3EfaBF7gWjOUxJc8Py1EIt",    "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,      "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/ .htm/ .html/ .htc/ .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/ .xsd/ .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": "x4xCwxxJxGCx123Rx5Tx"        }      }    }  }
PATCH /service/ service_id /wafs/ waf_id /owasp

Update an OWASP settings object for a particular service and firewall.

Authentication

API token (/api/auth#tokens).

Request Example

```
PATCH /service/SU1Z0isxPaozGVKXdv0eY/wafs/3N9YFqslruxuURkTPXGwQbX/owasp HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json

{
    "data": {
        "attributes": {
            "inbound_anomaly_score_threshold": 42
        },
        "id": "3EfaBF7gWjOUxJc8Py1EIt",
        "type": "owasp"
    }
}
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```
{
    "data": {
        "id": "3EfaBF7gWjOuxJc8PyLeIt",
        "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,
            "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_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": "x4xCwxxJxGCx123Rx5xTx"
            }
        }
    }
}
Rules

Rules used when configuring WAF. Rules can be filtered by `rule_id`.

### 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>revision</td>
<td>string</td>
<td>Revision metadata for the rule. (deprecated)</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>version</td>
<td>string</td>
<td>Version metadata for the rule. (deprecated)</td>
</tr>
</tbody>
</table>

### Actions

**GET /wafs/rules**

List all rules in the latest configuration set.

### Authentication

API token ([/api/auth#tokens](/api/auth#tokens)).

### 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[version]</td>
<td>integer</td>
<td>Limit the returned rules to a specific version. (deprecated)</td>
</tr>
<tr>
<td>filter[revision]</td>
<td>string</td>
<td>Limit the returned rules to a specific revision. (deprecated)</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>parameter</td>
<td>type</td>
<td>description</td>
</tr>
<tr>
<td>-------------------------</td>
<td>--------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>filter[configuration_set_id]</td>
<td>-</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. May also include long text attributes source,vcl.</td>
</tr>
</tbody>
</table>

Request Example

GET /wafs/rules?filter[rule_id]=2044149 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": [
    {
      "type": "rule",
      "id": "949120",
      "attributes": {
        "rule_id": "949120",
        "severity": 2,
        "message": "Cross-site Scripting (XSS) Anomaly Threshold Exceeded (XSS Score: %{TX.XSS_SCORE})"
      },
      "source": null,
      "vcl": null,
    },
  ],
  "links": {
  }
}```
GET /wafs/rules/ rule_id

Get a specific rule.

Authentication

API token (/api/auth#tokens).

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>rule_id</td>
<td>string</td>
<td>The rule ID.</td>
</tr>
<tr>
<td>filter[configuration_set_id]</td>
<td>-</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>
</tbody>
</table>

Request Example

```
GET /wafs/rules/2044149 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": {
            "message": "SLR: Xpoze account/user/mail.html reed Parameter SQL Injection",
            "rule_id": "2044149",
            "severity": 2,
        },
        "id": "2044149",
        "relationships": {
            "tags": {
                "data": [
                    {
                        "id": "leAnWPBCtR2Ayq6yey0nPm",
                        "type": "tag"
                    }
                ]
            }
        },
        "type": "rule"
    }
}
```
**GET** /wafs/rules/ **rule_id** /vcl

Get associated VCL for a specific rule.

**Authentication**

API token (/api/auth#tokens).

**Parameters**

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

**Request Example**

```
GET /wafs/rules/2044149/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": "2044149-vcl",
    "type": "rule_vcl",
    "attributes": {
      "vcl": "sub waf_ruleset {
        declare local var.postbody STRING;
        set var.postbody = req.postbody;
        workspace.snapshot;
        set waf.rule_id = 943011;
        call waf_debug_log;
        workspace.restore;
        goto WAF_MARKER_0;
        workspace.restore;
        if (waf.blocked || waf.logged) {
          return;
        }
      }"  
    },
    "relationships": {
      "rule": {
        "data": {
          "id": "2044149",
          "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 (/api/auth#tokens).

Parameters

<table>
<thead>
<tr>
<th>parameter</th>
<th>type</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>waf_id</td>
<td>string</td>
<td>The firewall ID.</td>
</tr>
<tr>
<td>rule_id</td>
<td>string</td>
<td>The rule ID.</td>
</tr>
</tbody>
</table>

Request Example

GET /wafs/2aRci7GLsXVO9vFo9x0Ih4/rules/2044149/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": "2044149-2aRci7GLsXVO9vFo9x0Ih4-vcl",
    "type": "rule_vcl",
    "attributes": {
      "vcl": "/*
      \n      This is a report of changes to the rules you have configured when gene
      rating\n      VCL. Rules may be edited or removed depending on the configuration of your\n      WA
      F.\n      ParanoiaFilter:\n      943011: removed due to being above paranoia level 1\n      sub waf_ruleset {\n        declare local var.postbody STRING;\n        set var.postbody = req.postbo
      }\n      if (waf.blocked || waf.logged) {\n        return;\n      }\n    }
  },
  "relationships": {
    "rule": {
      "data": {
        "id": "2044149",
        "type": "rule"
      }
    }
  }
}
```  

Rule statuses

Rule status determines the state of a rule for a given firewall object.

Fields
### status
- **Type**: string
- **Description**: The behavior of the VCL generated for the particular rule and firewall pair. Permitted values: `log`, `block`, and `disabled`.

### name
- **Type**: string
- **Description**: The name of the tag for which to create or update rule statuses with the specified status. For example, `OWASP` or `language-php`.

### force
- **Type**: boolean
- **Description**: Whether or not to update rule statuses for disabled rules. Optional.

### Actions

**GET /service/service_id/wafs/waf_id/rule_statuses**

List all rule statuses for a particular service and firewall.

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)).

**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]</td>
<td>string</td>
<td>Limit results to rule statuses whose rules represent the specified ModSecurity <code>rule_id</code>.</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>filter[rule][version]</td>
<td>string</td>
<td>Limit results to rule statuses whose rules have the specified version. (deprecated)</td>
</tr>
</tbody>
</table>

**include**

- **Type**: array
- **Description**: Include relationships. Optional, comma separated values. Permitted values: `tags`. 
<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>
</tbody>
</table>

Request Example

```
GET /service/SU1%isxPaozGvkXdv0eY/wafs/3N9YFqslrxuURkTPXGwQbX/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
```
{
    "links": {
        "last": "https://api.fastly.com/service/4CkNe7DSkapn8huuYzqpIK/wafs/6hBXhGly9nQT9PvnA1cRo/rule_statuses?page[number]=1&page[size]=100",
        "first": "https://api.fastly.com/service/4CkNe7DSkapn8huuYzqpIK/wafs/6hBXhGly9nQT9PvnA1cRo/rule_statuses?page[number]=1&page[size]=100"
    },
    "data": [
        {
            "type": "rule_status",
            "id": "6hBXhGly9nQT9PvnA1cRo-20100878",
            "attributes": {
                "status": "log"
            },
            "relationships": {
                "waf": {
                    "data": {
                        "type": "waf",
                        "id": "x4xCwxxJxGCx123R5xTk"
                    }
                },
                "rule": {
                    "data": {
                        "type": "rule",
                        "id": 20100878
                    }
                }
            }
        },
        {
            "id": "6hBXhGly9nQT9PvnA1cRo-949110",
            "type": "rule_status",
            "attributes": {
                "status": "disabled"
            },
            "relationships": {
                "waf": {
                    "data": {
                        "type": "waf",
                        "id": "x4xCwxxJxGCx123R5xTk"
                    }
                },
                "rule": {
                    "data": {
                        "type": "rule",
                        "id": 949110
                    }
                }
            }
        },
        {
            "type": "rule_status",
            "id": "6hBXhGly9nQT9PvnA1cRo-913120",
            "attributes": {
                "status": "disabled"
            },
            "relationships": {
                "waf": {
                    "data": {
                        "type": "waf",
                        "id": "x4xCwxxJxGCx123R5xTk"
                    }
                },
                "rule": {
                    "data": {
                        "type": "rule",
                        "id": 913120
                    }
                }
            }
        }
    ]
}
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 (/api/auth#tokens).

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>rule_id</td>
<td>integer</td>
<td>The ID of the rule associated with the rule status.</td>
</tr>
<tr>
<td>waf_id</td>
<td>string</td>
<td>The firewall ID.</td>
</tr>
</tbody>
</table>

Request Example

GET /service/SU1Z0isxPaozGVXdv0eY/wafs/3N9YFgs1rxuURkTPXGwQbX/rules/913120/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": {  "attributes": {  "status": "log"  },  "id": "3N9YFqslrxuURkTPXGwQbX-913120",  "relationships": {  "rule": {  "data": [  {  "id": 913120,  "type": "rule"  }  ]  },  "waf": {  "data": [  {  "id": "3N9YFqslrxuURkTPXGwQbX",  "type": "waf"  }  ]  },  "type": "rule_status"  }  }

**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 (/api/auth#tokens).

**Request Example**

```
PATCH /service/SU1Z0isxPaozGVKXdv0eY/wafs/3N9YFqslrxuURkTPXGwQbX/rules/913120/rule_status
HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: 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, we only update rule statuses for enabled rules (with status log or block). To update rule status for disabled rules under the specified tag, set 'force': true in your request body under attributes.

Authentication

API token (/api/auth#tokens).

Request Example

```
POST /service/SU1Z0isxPaozGVXdv0eY/wafs/3N9YFqs1rxuURkTPXGwQbX/rule_statuses HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: 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>
</table>
### Actions

**GET** /service/ service_id /wafs/ waf_id /ruleset

Get a WAF ruleset for a particular service and firewall object.

**Authentication**

API token ([/api/auth#tokens](https://docs.fastly.com/api/auth#tokens)).

**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/SU1Z0isxFaozGKVXxv0eY/wafs/3N9YFqslrxuURkTPXGwQbX/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

{
    "data": {
        "attributes": {
            "last_push": "2016-08-16 17:05:13 UTC",
            "vcl": "sub waf_ruleset {

          }
        },
        "id": "3N9YFqslrxuURkTPXGwQbX",
        "type": "ruleset"
    }
}
```

**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 (/api/auth#tokens).

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/SU1Z0isxPaozGVKXdv0eY/wafs/3N9YFqslrxuURkTPXGwQbX/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": {
    "attributes": {},
    "id": "3N9YFqslrxuURkTPXGwQbX",
    "type": "ruleset",
    "links": {
      "related": {
        "href": "https://api.fastly.com/service/SU1Z0isxPaozGVKXdv0eY/wafs/3N9YFqslrxuURkTPXGwQbX/update_statuses/1VL4rYaw2WUo8hUGGnmujY"
      }
    }
  }
  "meta": {
    "warnings": {
      "title": "Generating preview ruleset VCL for 3N9YFqslrxuURkTPXGwQbX",
      "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** (/api/auth#tokens).

**Request Example**

```plaintext
PATCH /service/SU1Z0isxPaozGVKXdv0eY/wafs/3N9YFqslrxuURkTPXGwQbX/ruleset HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json

{
  "data": {
    "id": "3N9YFqslrxuURkTPXGwQbX",
    "type": "ruleset"
  }
}
```

**Response Example**

```plaintext
HTTP/1.1 202 Accepted
Content-Type: application/vnd.api+json

{
  "data": {
    "attributes": {
      "last_push": "2016-08-20 23:05:13 UTC",
      "vcl": "sub waf_ruleset {\n
        }
    },
    "id": "3N9YFqslrxuURkTPXGwQbX",
    "type": "ruleset"
  },
  "links": {
    "related": {
      "href": "https://api.fastly.com/service/SU1Z0isxPaozGVKXdv0eY/wafs/3N9YFqslrxuURkTPXGwQbX/update_statuses/yAyI1cStMc0SNl6gFyYhZ6"
    }
  }
}
```

**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>
</table>

### Actions

**GET** /wafs/tags

List all tags.

**Authentication**

API token [/api/auth#tokens].

**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**

```bash
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
```
{
    "links": {
    },
    "data": [
        {
            "id": "YfnzrNCQoMPLTpw7ej9wE",
            "type": "tag",
            "attributes": {
                "name": "OWASP"
            },
            "relationships": {
                "rules": {
                    "data": [
                        {
                            "id": 930110,
                            "type": "rule"
                        },
                        {
                            "id": 911100,
                            "type": "rule"
                        },
                        {
                            "id": 931013,
                            "type": "rule"
                        },
                        {
                            "id": 931015,
                            "type": "rule"
                        }
                    ]
                }
            }
        },
        {
            "type": "tag",
            "attributes": {
                "name": "WASCTC/WASC-37"
            },
            "id": "6PAayRUwMORbeVMzUGTq3",
            "relationships": {
                "rules": {
                    "data": [
                        {
                            "id": 930110,
                            "type": "rule"
                        },
                        {
                            "id": 911100,
                            "type": "rule"
                        }
                    ]
                }
            }
        }
    ]
}
```json
{
  "id": 931013,
  "type": "rule"
},
{
  "id": 931015,
  "type": "rule"
}
}```

## Configuration sets

Configuration set object 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>name</td>
<td>string</td>
<td>The name of the configuration set.</td>
</tr>
</tbody>
</table>

### Actions

**GET /wafs/configuration_sets**

List all Fastly WAF rule versions.

**Authentication**

**API token** ([/api/auth#tokens](https://docs.fastly.com/api/auth)).

**Request Example**

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

**Response Example**

```text
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```
GET /wafs/configuration_sets/ configuration_set_id /relationships/wafs

List the WAF objects currently using the specified configuration set.

Authentication

API token (/api/auth#tokens).

Request Example

GET /wafs/configuration_sets/70xVgu04fKtYkQ4GPtYi62/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/ configuration_set_id /relationships/wafs

Update one or more WAF objects to use the specified configuration set.

Authentication

API token (/api/auth#tokens).

Request Example

```
PATCH /wafs/configuration_sets/70xVgu04fKtYkQ4GPtYi62/relationships/wafs HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json

{
  "data": [
    {
      "id": "4MYgVaNHjh8UhQ8feFR8Sz",
      "type": "waf"
    },
    {
      "id": "gSeSQlDFZv9qcXNQvcaNW",
      "type": "waf"
    }
  ]
}
```

Response Example

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json
```
```json
{
    "data": [
        {
            "id": "4MYgVaNHjh8U8Q8feFR8Ssz",
            "type": "waf"
        }
    ],
    "links": {
        "last": "http://api.fastly.com/wafs/configuration_sets/70xVgu04fKtYkQ4GPTy62/relationships/wafs?page[number]=1&page[size]=100"
    }
}
```

## 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>
<tr>
<td>created_at</td>
<td>string</td>
<td>Date and time that job was created.</td>
</tr>
<tr>
<td>data</td>
<td>string</td>
<td>This field can contain data passed to the background worker as output from the background job.</td>
</tr>
<tr>
<td>message</td>
<td>string</td>
<td>Message with information about the status of the update.</td>
</tr>
<tr>
<td>status</td>
<td>string</td>
<td>Current status of the update.</td>
</tr>
<tr>
<td>updated_at</td>
<td>string</td>
<td>Date and time that job was last updated.</td>
</tr>
</tbody>
</table>

### Actions

**GET** /service/ service_id /wafs/ waf_id /update_statuses

List all update statuses for a particular service and firewall object.

**Authentication**

API token (/api/auth#tokens).
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/SU1Z0isxPaozGVXdv0eY/wafs/3N9YFqslrxuURkTPXGwQbX/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
```
```json
{
    "links": {
        "last": "https://api.fastly.com/service/4CkNe7DSkapn8huuYZqpIK/wafs/6hBXhHGlly9nQT9PvnAlcRo/update_statuses",
        "next": "https://api.fastly.com/service/4CkNe7DSkapn8huuYZqpIK/wafs/6hBXhHGlly9nQT9PvnAlcRo/update_statuses",
        "first": "https://api.fastly.com/service/4CkNe7DSkapn8huuYZqpIK/wafs/6hBXhHGlly9nQT9PvnAlcRo/update_statuses"
    },
    "data": [
        {
            "type": "waf_update_status",
            "id": "4VCeAYJS32HTWxSWMIItJav",
            "attributes": {
                "created_at": "2016-09-28 21:01:29 UTC",
                "status": "complete",
                "data": null,
                "message": null,
                "completed_at": "2016-09-28 21:01:30 UTC",
                "updated_at": "2016-09-28 21:01:30 UTC"
            },
            "relationships": {
                "waf": {
                    "data": {
                        "type": "waf",
                        "id": "x4xCwxxJxGCx123Rx5xTx"
                    }
                }
            }
        },
        {
            "type": "waf_update_status",
            "id": "2tFRS2wX75drVS28750KlM",
            "attributes": {
                "status": "complete",
                "created_at": "2016-09-27 23:09:50 UTC",
                "completed_at": "2016-09-27 23:09:50 UTC",
                "message": null,
                "data": null,
                "updated_at": "2016-09-27 23:09:50 UTC"
            },
            "relationships": {
                "waf": {
                    "data": {
                        "type": "waf",
                        "id": "x4xCwxxJxGCx123Rx5xTx"
                    }
                }
            }
        }
    ]
}
```
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 (/api/auth#tokens).

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>
<tr>
<td>update_status_id</td>
<td>string</td>
<td>The update status ID.</td>
</tr>
</tbody>
</table>

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/wafs/3N9YFqslrxuURkTPXGwQbX/update_statuses/2pdQfKTKioi2wa7HZaMR7A 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": "2pdQfKTKioi2wa7HZaMR7A",
    "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": {
          "type": "waf",
          "id": "x4xCwxxJxGCx123Rx5xTx"
        }
      }
    }
  }
}
```