

# API

## Authentication

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

### API tokens

API tokens are unique authentication identifiers that you can create for the users and applications authorized to interact with your account a the capabilities of tokens using a scope. For example, the `purge_select` scope will limit a token to only be able to purge by URL and surro `global` scope will grant the token access to all the service and account-level capabilities of the user that created the token. You can option access of a token to one or more services. However, for a token with the `global` or `global:read` scope, limiting service access does not l related endpoints. Because users can create multiple API tokens, you can rotate tokens without taking services offline, and you can revoke i 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 an tokens associated with the organization's Fastly account. See [Using API tokens](#) for more information.

### Two-factor authentication

API tokens support [two-factor authentication](#). Send the generated one-time password via the Fastly-OTP header when creating a token, as

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

### Availability

All endpoints that support the legacy [API keys](#) also support API tokens. In addition to checking if the user is authenticated, the API will chec 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 ac service access does not prevent the token from accessing non-service related endpoints.

### Scopes

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

- **global:** This is the default scope covering all supported capabilities. This scope grants the same access level as [legacy API keys](#).
- **purge\_select:** Allows purging with surrogate key and URL. Disallows purging with purge all.
- **purge\_all:** Allows purging an entire service via [purge all](#).
- **global:read:** Allows read-only access to account information, configuration, and stats.

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

### Services

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

Note that limiting service access is designed to be used with the `purge-all` and `purge-select` scopes. A service-limited token with the `g scopes will still be able to access non-service related endpoints. All service-limited tokens are prevented from modifying service authorizati account, and creating and modifying users.`

### Expiration

You can optionally set API tokens to expire at a specified date and time. After a token expires, using it for any request will return an HTTP `4 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-`

### Using API tokens

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

### Deleting a user with active tokens

To [delete a user](#) who has active API tokens associated with their account, you must first [revoke the user's API tokens](#).

### Limitations

API tokens currently have the following limitations:

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

## API reference

### Tokens

#### Fields

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

#### Actions

**GET** /tokens

List all tokens belonging to the authenticated user.

Authentication

[API token](#).

**Request Example**

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

▼ **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_used_at": "2016-06-22T03:19:48+00:00",
    "expires_at": "2016-07-28T19:24:50+00:00",
    "ip": "127.17.202.173",
    "user_agent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_12_3) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/56.0.2924.87"
  }
]
```

**GET** /customer/ **id** /tokens

List all tokens belonging to a specific customer  
Authentication

[API token.](#)

Request Example

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

▼ Response Example

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

```
[
  {
    "id": "5Yo3XXnrQpjc20u0ybrf2g",
    "user_id": "4y5K5trZocEAQYkesWlk7M",
    "services": [],
    "name": "my_token",
    "scope": "global",
    "created_at": "2016-06-22T03:19:48+00:00",
    "last_used_at": "2016-06-22T03:19:48+00:00",
    "expires_at": "2016-07-28T19:24:50+00:00",
    "ip": "127.17.202.173",
    "user_agent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_12_3) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/56.0.2924.87"
  }
]
```

**GET** /tokens/self

Get a single token based on the access\_token used in the request.  
Authentication

[API token.](#)

Request Example

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

▼ Response Example

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

```
{
  "id": "5Yo3XXnrQpjc20u0ybrf2g",
  "user_id": "4y5K5trZocEAQYkesWlk7M",
  "services": [],
  "name": "my_token",
  "scope": "global",
  "created_at": "2016-06-22T03:19:48+00:00",
  "last_used_at": "2016-06-22T03:19:48+00:00",
  "expires_at": "2016-07-28T19:24:50+00:00",
  "ip": "127.17.202.173",
  "user_agent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_12_3) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/56.0.2924.87 Sâ"
}
```

**POST** /tokens

Create an API token. If two-factor authentication is enabled for your account, review [the instructions](#) for including a one-time password in the 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=2016-06-22T03:19:48+00:00"
```

▼ Response Example

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

{
  "id": "5Yo3XXnrQpjc20u0ybrf2g",
  "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_used_at": "2016-06-22T03:19:48+00:00",
  "expires_at": "2016-07-28T19:24:50+00:00",
  "ip": "127.17.202.173",
  "user_agent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_12_3) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/56.0.2924.87 Safari/537.36"
}
```

**DELETE** /tokens/self

Revoke a token that is used to authenticate the request. Authentication

[API token](#).

Request Example

```
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](#).

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](#).

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" => "3krq2uUGZzb2W9Euo4moOY",
      "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.

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

### 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 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 token was assigned to a newly created, synthetic user with the name `Global API Token`.

## Account Billing

Get information on current and past bills.

### Fields

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

### Actions

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

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

Authentication

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

Parameters

parameter	type	description
month	<i>integer</i>	2-digit month.
year	<i>integer</i>	4-digit year.

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": "7SlAESxcJ2zxHOV4gQ9y9X",
      "client_service_id": "Master Plan",
      "created_at": "2017-04-03T20:27:05Z",
      "credit_coupon_code": null,
      "deleted_at": null,
      "description": "Master Plan",
      "id": "1DcJwU7Jl1cAHtI51qToYL",
      "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": "7SlAESxcJ2zxHOV4gQ9y9X",
      "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": "7SlAESxcJ2zxHOV4gQ9y9X",
      "client_service_id": "Shared TLS Certificate",
      "created_at": "2017-04-03T20:27:05Z",
      "credit_coupon_code": null,
      "deleted_at": null,
      "description": "Shared TLS Certificate",
      "id": "6ExVVQWoHgpHVl9RYl8FJn",
      "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": "6b9TYZegr2eKIPxdGIUBdX",
      "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
    },
    "requests": {
      "tiers": [
        {
          "units": 0,
          "total": 0,
          "name": "per 10,000 HTTPS requests",
          "price": 0.01
        },
        {
          "total": 12.94268325,
          "units": 1725.6911,
          "name": "per 10,000 HTTP requests",
          "price": 0.0075
        }
      ],
      "total": 12.94268325
    }
  }
},
"start_time": "2016-05-01T00:00:00Z",
"status": {
  "status": "Outstanding"
},
"total": {
  "bandwidth": 0.00027189962565898895,
  "bandwidth_cost": 0.000032627955079078674,
  "bandwidth_units": "GB",
  "cost": 0,
  "cost_before_discount": 0.00008302795507907867,
  "discount": 100,
  "extras": [
    {
      "name": "Shared TLS Certificate",
      "recurring": 100,
      "setup": 0
    }
  ],
  "extras_cost": 0,
  "incurred_cost": 0.00008302795507907867,
  "plan_code": "developer",
  "plan_minimum": 0,
  "plan_name": "developer",
  "requests": 66,
  "requests_cost": 0.00005039999999999999,
  "terms": "Net15"
}
```

**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 then 5 seconds to generate but in certain ca

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 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 our [calculation guide](#).

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

Authentication

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

Parameters

parameter	type	description
month	<i>integer</i>	2-digit month.
year	<i>integer</i>	4-digit year.

Request Example

```
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,
            "total": 0.12
          }
        ]
      }
    }
  },
  "status": {
    "status": "MTD"
  },
  "total": {
    "cost": 54.019999999999996,
    "balance_forward": 0,
    "cached_at": "2018-02-21 20:26:18 UTC",
    "requests": 1763.3852000000004,
    "requests_cost": 15.609999999999998,
    "bandwidth": 266.252585978,
    "bandwidth_cost": 38.41,
    "percentile": 0,
    "percentile_cost": 0,
    "commit_shortfall": 0,
    "discount": 0,
    "discount_amount": 0,
    "incurred_cost": 54.019999999999996,
    "overage": 0,
    "cost_before_discount": 54.019999999999996,
    "extras": [],
    "extras_cost": 0,
    "bandwidth_units": null
  }
}

```

```

},
"lines": [
  {
    "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"
    }
  },
  {
    "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

field	type	description
address_1	string	The first address line
address_2	string	The second address line
city	string	The city name
state	string	The state name
locality	string	Other locality
country	string	ISO 3166-1 two-letter country code
postal_code	string	Postal code (ZIP code for US addresses)

## Actions

**GET** /customer/ **customer\_id** /billing\_address

Get a customer's billing address  
Authentication

[API token](#).  
Parameters

parameter	type	description
customer_id	string	The Customer ID.

### 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
```

```
{
  "data": {
    "id": "3DTWpameEUGISvrUiDWkesQ",
    "type": "billing_address",
    "attributes": {
      "address_1": "80719 Dorothea Mountain",
      "address_2": "Apt. 652",
      "city": "New Rasheedville",
      "country": "US",
      "created_at": "2016-06-09T18:14:30+00:00",
      "locality": "",
      "postal_code": "53538-5902",
      "state": "DE",
      "updated_at": "2016-06-09T18:14:30+00:00"
    },
    "relationships": {
      "customer": {
        "data": {
          "type": "customer",
          "id": "x4xCwxxJxGCx123Rx5xTx"
        }
      }
    }
  }
}
```

**POST** /customer/ **customer\_id** /billing\_address

Add a billing address for a customer  
Authentication

[API token](#).  
Parameters

parameter	type	description
customer_id	string	The Customer ID.

Request Example

**POST** /customer/CUSTOMER\_ID/billing\_address **HTTP/1.1**  
**Content-Type:** application/vnd.api+json

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

▼ Response Example

**HTTP/1.1 201 Created**  
**Content-Type:** application/vnd.api+json

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

**PATCH** /customer/ **customer\_id** /billing\_address

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

Authentication

[API token.](#)

Parameters

parameter	type	description
customer_id	string	The Customer ID.

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](#).

Parameters

parameter	type	description
customer_id	string	The Customer ID.

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

field	type	description
billing_contact_id	string	The alphanumeric string representing the primary billing contact.
billing_network_type	string	Customer's current network revenue type. Can be Public or Private.
billing_ref	string	Used for adding purchased orders to customer's account.
can_configure_wordpress	boolean	Whether this customer can view or edit wordpress. Read Only.
can_reset_passwords	boolean	Whether this customer can reset passwords. Read Only.
can_upload_vcl	boolean	Whether this customer can upload VCL. Read Only.
created_at	string	Time-stamp (GMT) when the customer was created.

field	type	description
deleted_at	string	Time-stamp (GMT) when the customer was deleted.
force_2fa	boolean	Specifies whether 2fa is forced or not forced on the customer account.
has_account_panel	boolean	Specifies whether the account has access or does not have access to the account panel.
has_improved_events	boolean	Specifies whether the account has access or does not have access to the improved events.
has_improved_ssl_config	boolean	Whether this customer can view or edit the ssl config. Read Only.
has_openstack_logging	boolean	Specifies whether the account has enabled or not enabled openstack logging.
has_pci	boolean	Specifies whether the account can edit PCI for a service.
has_pci_passwords	boolean	Specifies whether PCI passwords are required for the account. Read only.
id	string	The alphanumeric string identifying the customer.
ip_whitelist	string	The range of IP addresses authorized to access the customer account.
legal_contact_id	string	The alphanumeric string identifying the account's legal contact.
name	string	The name of the customer, generally the company name.
owner_id	string	The alphanumeric string identifying the account owner.
phone_number	string	The phone number associated with the account.
postal_address	string	The postal address associated with the account.
pricing_plan	string	The pricing plan this customer is under.
pricing_plan_id	string	The alphanumeric string identifying the pricing plan.
readonly	boolean	
requires_support_email	boolean	
security_contact_id	string	The alphanumeric string identifying the account's security contact.
technical_contact_id	string	The alphanumeric string identifying the account's technical contact.
updated_at	string	Time-stamp (GMT) when the customer was updated.

## Actions

**GET** /customer/ **id** /users

List all users from a specified customer id  
Authentication

[API token.](#)

**Request Example**

```
GET /customer/4mp6jxt8Z5b4be5jIhXz00/users HTTP/1.1  
Content-Type: application/x-www-form-urlencoded
```

▼ **Response Example**

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

```
[
  {
    "created_at": "2016-05-02T17:15:54+00:00",
    "customer_id": "x4xCwxxJxGCx123Rx5xTx",
    "deleted_at": null,
    "email_hash": "hTE5dRlSBICGPJxJwCH4M",
    "id": "x9KzsrACXZv8tPwLEDsKb6",
    "locked": false,
    "login": "johnowner@example.com",
    "name": "John Owner",
    "require_new_password": false,
    "role": "user",
    "two_factor_auth_enabled": true,
    "two_factor_setup_required": false,
    "updated_at": "2016-05-21T18:45:00+00:00"
  }
]
```

**GET** /current\_customer

Get the logged in customer

Authentication

[API token.](#)

Request Example

**GET** /current\_customer **HTTP/1.1**

▼ Response Example

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

```
{
  "billing_contact_id": null,
  "billing_network_type": "public",
  "billing_ref": null,
  "can_configure_wordpress": 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": "x9KzsrACXZv8tPwLEDsKb6",
  "name": "Test Account",
  "owner_id": "x9KzsrACXZv8tPwLEDsKb6",
  "phone_number": "5555555559",
  "postal_address": "",
  "pricing_plan": "customer",
  "pricing_plan_id": "5PMLv2VdXE8xNbMcm9xayC",
  "readonly": false,
  "requires_support_email": false,
  "security_contact_id": "x9KzsrACXZv8tPwLEDsKb6",
  "technical_contact_id": "x9KzsrACXZv8tPwLEDsKb6",
  "updated_at": "2016-04-07T17:21:06+00:00"
}
```

**GET** /customer/ id

Get a specific customer

Authentication

[API token.](#)

Request Example

**GET** /customer/hTE5dRlSBICGPJxJwCH4M **HTTP/1.1**

▼ Response Example

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

```
{
  "billing_contact_id": null,
  "billing_network_type": "public",
  "billing_ref": null,
  "can_configure_wordpress": false,
  "can_reset_passwords": true,
  "can_upload_vcl": false,
  "created_at": "2016-06-14T14:43:01+00:00",
  "deleted_at": null,
  "force_2fa": false,
  "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": "x9KzsrACXZv8tPwLEDsKb6",
  "name": "Test Account",
  "owner_id": "x9KzsrACXZv8tPwLEDsKb6",
  "phone_number": "5555555559",
  "postal_address": null,
  "pricing_plan": "developer",
  "pricing_plan_id": "6HW4welznAHVnMCJhY9Qdx",
  "readonly": false,
  "requires_support_email": false,
  "security_contact_id": "x9KzsrACXZv8tPwLEDsKb6",
  "technical_contact_id": "x9KzsrACXZv8tPwLEDsKb6",
  "updated_at": "2016-06-14T14:43:01+00:00"
}
```

**PUT /customer/ id**

Update a customer  
Authentication

[API token.](#)

**Request Example**

**PUT /customer/4mp6jxt8z5b4be5jIhXz00 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": "x9KzsrACXZv8tPwlEDsKb6",
  "name": "updated-test-account",
  "owner_id": "x9KzsrACXZv8tPwlEDsKb6",
  "phone_number": "5555555559",
  "postal_address": null,
  "pricing_plan": "developer",
  "pricing_plan_id": "6HW4welznAHVnMCJhY9QdX",
  "readonly": false,
  "requires_support_email": false,
  "security_contact_id": "x9KzsrACXZv8tPwlEDsKb6",
  "technical_contact_id": "x9KzsrACXZv8tPwlEDsKb6",
  "updated_at": "2016-06-14T14:43:01+00:00"
}
```

**DELETE** /customer/ **id**

Delete a customer  
Authentication

[API token](#).  
**Request Example**

**DELETE** /customer/4mp6jxt8Z5b4be5jIhXz00 **HTTP/1.1**

▼ **Response Example**

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

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

## Event Logs

[Event logs](#) are used to audit actions performed by customers. Events can be filtered by user\_id, service\_id, customer\_id, and event\_type.

### Fields

field	type	description
admin	boolean	Indicates if event was performed by Fastly.
created_at	string	Time-stamp (GMT) when the record was created.
customer_id	string	ID of the customer who performed the event.
description	string	Description of the event.
event_type	string	Type of event. Can be used with <code>filter[event_type]</code> . One of:
api_key.create	-	An API key was created.

field	type	description
acl.create	-	An access control list was created.
acl.delete	-	An access control list was deleted.
acl.update	-	An access control list was updated.
address.create	-	An address was created.
address.delete	-	An address was deleted.
address.update	-	An address was updated.
backend.create	-	A backend was created.
backend.delete	-	A backend was deleted.
backend.update	-	A backend was updated.
billing.contact_update	-	A billing contact was updated.
cache_settings.create	-	Cache settings were created.
cache_settings.delete	-	Cache settings were deleted.
cache_settings.update	-	Cache settings were updated.
customer.create	-	A customer was created.
customer.pricing	-	A customer pricing plan was changed.
customer.update	-	A customer was updated.
customer_feature.create	-	A customer feature was created.
customer_feature.delete	-	A customer feature was deleted.
director.create	-	A director was created.
director.delete	-	A director was deleted.
director.update	-	A director was updated.
director_backend.create	-	A director backend connection was created.
director_backend.delete	-	A director backend connection was deleted.
domain.create	-	A domain was created.
domain.delete	-	A domain was deleted.
domain.update	-	A domain was updated.
feature.create	-	A feature was created.
feature.delete	-	A feature was deleted.
feature.update	-	A feature was updated.
gzip.create	-	A gzip policy was created.

field	type	description
gzip.delete	-	A gzip policy was deleted.
gzip.update	-	A gzip policy was updated.
header.create	-	A header was created.
header.delete	-	A header was deleted.
header.update	-	A header was updated.
healthcheck.create	-	A healthcheck was created.
healthcheck.delete	-	A healthcheck was deleted.
healthcheck.update	-	A healthcheck was updated.
invitation.accept	-	An account invitation was accepted.
invitation.sent	-	An account invitation was sent.
invoice.failed_payment	-	An invoice payment failed.
invoice.payment	-	An invoice was paid.
io_settings.create	-	Image optimization was activated.
io_settings.delete	-	Image optimization was deactivated.
io_settings.update	-	Image optimization was updated.
logging.create	-	A logging event was created.
logging.delete	-	A logging event was deleted.
logging.update	-	A logging event was updated.
pool.create	-	A pool was created.
pool.delete	-	A pool was deleted.
pool.update	-	A pool was updated.
request_settings.create	-	Request settings were created.
request_settings.delete	-	Request settings were deleted.
request_settings.update	-	Request settings were updated.
response_object.create	-	A response object was created.
response_object.delete	-	A response object was deleted.
response_object.update	-	A response object was updated.
rule_status.update	-	A rule status was updated.
rule_status.upsert	-	A rule status was upserted.
server.create	-	A server was created.



field	type	description
server.delete	-	A server was deleted.
server.update	-	A server was updated.
service.create	-	A service was created.
service.delete	-	A service was deleted.
service.move	-	A service was moved between customers.
service.move_destination	-	The customer to which a service was moved.
service.move_source	-	The customer from which a service was moved.
service.purge_all	-	A purge all action was performed.
service.update	-	A service was updated.
service_authorization.create	-	A service authorization was created.
service_authorization.delete	-	A service authorization was deleted.
service_authorization.update	-	A service authorization was updated.
tls.bulk_certificate.create	-	A bulk TLS certificate was created.
tls.bulk_certificate.delete	-	A bulk TLS certificate was deleted.
tls.bulk_certificate.update	-	A bulk TLS certificate was updated.
tls.certificate.create	-	A TLS certificate was created.
tls.certificate.expiration_email	-	Certificate expiration email was sent.
tls.certificate.update	-	A TLS certificate was updated.
tls.certificate.delete	-	A TLS certificate was deleted.
tls.configuration.update	-	TLS configuration was updated.
tls.private_key.create	-	A private key was created.
tls.private_key.delete	-	A private key was deleted.
tls.activation.enable	-	TLS activation was enabled.
tls.activation.update	-	TLS activation was updated.
tls.activation.disable	-	TLS activation was disabled.
tls.globalsign.domain.create	-	A GlobalSign SAN entry was added.
tls.globalsign.domain.verify	-	GlobalSign SAN entry verification was requested.
tls.globalsign.domain.delete	-	A GlobalSign SAN entry was deleted.
tls.subscription.create	-	A TLS subscription was created.
tls.subscription.delete	-	A TLS subscription was deleted.

field	type	description
tls.subscription.dns_check_email	-	A TLS subscription renewal DNS check email was sent.
token.create	-	An API token was created.
token.destroy	-	An API token was revoked.
two_factor_auth.disable	-	Two-factor authentication was disabled.
two_factor_auth.enable	-	Two-factor authentication was enabled.
user.create	-	A user account was created.
user.destroy	-	A user account was deleted.
user.lock	-	A user account was locked.
user.login	-	A user logged in to an account.
user.login_failure	-	A user account login attempt failed.
user.logout	-	A user logged out of an account.
user.password_update	-	An account password was updated.
user.unlock	-	A user account was unlocked.
user.update	-	A user account was updated.
vcl.create	-	VCL was created.
vcl.delete	-	VCL was deleted.
vcl.update	-	VCL was updated.
version.activate	-	A service version was activated.
version.clone	-	A service version was cloned.
version.copy	-	A copy of a service version was made.
version.copy_destination	-	The service to which a version was copied.
version.copy_source	-	The service from which a version was copied.
version.create	-	A service version was created.
version.deactivate	-	A service version was deactivated.
version.lock	-	A service version was locked.
version.update	-	A service version was updated.
waf.configuration_set_update	-	A WAF configuration set was updated.
waf.create	-	A WAF object was created.
waf.delete	-	A WAF object was deleted.
waf.update	-	A WAF object was updated.

field	type	description
waf.enable	-	A WAF object was enabled.
waf.disable	-	A WAF object was disabled.
waf.owasp.create	-	A WAF OWASP setting was created.
waf.owasp.update	-	A WAF OWASP setting was updated.
waf.ruleset.deploy	-	A WAF ruleset was deployed.
waf.ruleset.deploy_failure	-	A WAF ruleset's deployment failed.
wordpress.create	-	A WordPress rule was created.
wordpress.delete	-	A WordPress rule was deleted.
wordpress.update	-	A WordPress rule was updated.
ip	string	IP addresses that the event was requested from.
metadata	string	Hash of key value pairs of additional information.
service_id	string	ID of the service that the event was performed on.
user_id	string	ID of the user that performed the event.

## Actions

**GET** /events

List all events for a particular customer

Authentication

[API token.](#)

Parameters

parameter	type	description
filter[created_at]	string	Limit the returned events to a specific timestamp. Accepts parameters: <code>gt</code> , <code>gte</code> , <code>lt</code> , <code>lte</code> (e.g., <code>filter[created_at][gt]=2019-01-01</code> ). Parameters can be combined. If <code>filter[created_at]</code> is not present on the request, all events from the year are returned.
filter[customer_id]	string	Limit the returned events to a specific customer.
filter[service_id]	string	Limit the returned events to a specific service.
filter[event_type]	string	Limit the returned events to a specific event type. See above for event codes.
filter[user_id]	string	Limit the returned events to a specific user.
page[number]	integer	Pagination page number.
page[size]	integer	Number of items to return on each paginated page.

### Request Example

```
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

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

```
{
  "data": [
    {
      "attributes": {
        "admin": false,
        "created_at": "2016-06-06T20:05:10Z",
        "customer_id": "x4xCwxxJxGCx123Rx5xTx",
        "description": "Version 2 was activated",
        "event_type": "version.activate",
        "ip": "127.0.0.0",
        "metadata": {
          "version_number": 2
        },
        "service_id": "SU1Z0isxPaozGVKXdv0eY",
        "user_id": "4Pp0BW3UkBEJhG3N0kovLP"
      },
      "id": "5IH1QmNSV1Qi7jXc4oIZ1Z",
      "type": "event"
    }
  ],
  "links": {
    "last": "http://api.fastly.com/events?filter[customer_id]=x4xCwxxJxGCx123Rx5xTx&page[number]=1&page[size]=1"
  }
}
```

**GET** /events/ **event\_id**

Get a specific event

Authentication

[API token.](#)

Parameters

parameter	type	description
event_id	string	The event ID.

**Request Example**

```
GET /events/1PTzLK8g1NRKMGu5kUb8SC HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

**▼ Response Example**

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

```
{
  "data": {
    "attributes": {
      "admin": false,
      "created_at": "2016-06-01T21:29:38Z",
      "customer_id": "x4xCwxxJxGCx123Rx5xTx",
      "description": "Version 2 was activated",
      "event_type": "version.activate",
      "ip": "127.0.0.0",
      "metadata": {
        "version_number": 2
      },
      "service_id": "SU1Z0isxPaozGVKXdv0eY",
      "user_id": "6MwX4ZZM7Ji4Q3O07dI8Ln"
    },
    "id": "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 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 and modify their permissions.

### Fields

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

## Actions

**GET** /invitations

List all invitations  
Authentication

[API token.](#)

**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": {
    "last": "http://api.fastly.com/invitations?page[number]=1&page[size]=100"
  },
  "meta": {
    "current_page": 1,
    "per_page": 100,
    "record_count": 1,
    "total_pages": 1
  }
}
```

**POST** /invitations

Create an invitation

Authentication

[API token](#) with at least `superuser` [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": "44tb1D3asjhuh2SH8e8YD",
          "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



```
{
  "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](#) with at least `Superuser` permissions.

Request Example

```
DELETE /invitations/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
```

## Service Authorizations

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

## Fields

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

## Actions

**GET** /service-authorizations/ **id**

Show Service Authorization  
Authentication

[API token.](#)

Request Example

**GET** /service-authorizations/3krg2uUGZzb2W9Euo4moOY **HTTP/1.1**  
Fastly-Key: YOUR\_FASTLY\_TOKEN  
Accept: application/vnd.api+json

▼ Response Example

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

```
{
  "data": {
    "id": "3krg2uUGZzb2W9Euo4moOY",
    "type": "service_authorization",
    "attributes": {
      "created_at": "2017-03-15T20:10:09Z",
      "updated_at": "2017-03-15T20:10:09Z",
      "deleted_at": null
    },
    "relationships": {
      "service": {
        "data": {
          "type": "service",
          "id": "x4xCwxxJxGCx123Rx5xTx"
        }
      },
      "user": {
        "data": {
          "type": "user",
          "id": "6c7kAlo4vACNchGodQxP37"
        }
      }
    }
  }
}
```

**GET** /service-authorizations

List Service Authorizations  
Authentication

[API token.](#)

Request Example

**GET** /service-authorizations **HTTP/1.1**  
Fastly-Key: YOUR\_FASTLY\_TOKEN  
Accept: application/vnd.api+json

▼ Response Example

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

```
{
  "data": [
    {
      "id": "3krq2uUGZzb2W9Euo4moOY",
      "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": "x4xCwxxJxGCx123Rx5xTx"
          }
        },
        "user": {
          "data": {
            "type": "user",
            "id": "6c7kAlo4vACNchGOdQxP37"
          }
        }
      },
      "relationships": {
        "user": {
          "data": {
            "type": "user",
            "id": "6c7kAlo4vACNchGOdQxP37"
          }
        },
        "service": {
          "data": {
            "type": "service",
            "id": "SU1Z0isxPaozGVKXdv0eY"
          }
        }
      }
    }
  ],
  "links": {
    "last": "http://api.fastly.com/service-authorizations?page[number]=1&page[size]=100"
  },
  "meta": {
    "current_page": 1,
    "per_page": 100,
    "record_count": 1,
    "total_pages": 1
  }
}
```

**PATCH** /service-authorizations/ **id**

Update Service Authorization

Authentication

[API token.](#)

**Request Example**

**PATCH** /service-authorizations/3krq2uUGZzb2W9Euo4moOY **HTTP/1.1**  
**Fastly-Key:** YOUR\_FASTLY\_TOKEN  
**Accept:** application/vnd.api+json

```
{
  "data": {
    "id": "3krq2uUGZzb2W9Euo4moOY",
    "type": "service_authorization",
    "attributes": {
      "permission": "read_only"
    }
  }
}
```

▼ **Response Example**

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

```
{
  "data": {
    "id": "3krq2uUGZzb2W9Euo4moOY",
    "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.](#)

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

```
{
  "data": [
    {
      "id": "3krq2uUGZzb2W9Euo4moOY",
      "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

```
{
  "data": [
    {
      "id": "3krq2uUGZzb2W9Euo4moOY",
      "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": "6c7kAlo4vACNchGOdQxP37"
          }
        },
        "service": {
          "data": {
            "type": "service",
            "id": "SU1Z0isxPaozGVKXdv0eY"
          }
        }
      }
    },
    {
      "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": "6c7kAlo4vACNchGOdQxP37"
          }
        },
        "service": {
          "data": {
            "type": "service",
            "id": "hTE5dRlSBICGPJxJwCH4M"
          }
        }
      }
    }
  ]
}
```

**POST** /service-authorizations

Create Service Authorization  
Authentication

[API token.](#)

Request Example

```
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": "6c7kAlo4vACNchG0dQxP37"
        }
      },
      "service": {
        "data": {
          "type": "service",
          "id": "SU1Z0isxPaozGVKXdv0eY"
        }
      }
    }
  }
}
```

▼ Response Example

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

```
{
  "data": {
    "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": "SU1Z0isxPaozGVKXdv0eY"
        }
      }
    },
    "relationships": {
      "service": {
        "data": {
          "type": "service",
          "id": "x4xCwxxJxGCx123Rx5xTx"
        }
      },
      "user": {
        "data": {
          "type": "user",
          "id": "6c7kAlo4vACNchG0dQxP37"
        }
      }
    }
  }
}
```

DELETE /service-authorizations/ **id**

Delete Service Authorization  
Authentication

[API token.](#)  
Request Example

**DELETE** /service-authorizations/3krq2uUGZzb2W9Euo4moOY **HTTP/1.1**

Fastly-Key: YOUR\_FASTLY\_TOKEN

Accept: application/vnd.api+json

Content-Type: application/vnd.api+json

▼ Response Example

**HTTP/1.1 204 No Content**

Content-Type: application/vnd.api+json

**DELETE** /service-authorizations

Delete Service Authorizations

Authentication

[API token.](#)

Request Example

**DELETE** /service-authorizations **HTTP/1.1**

Fastly-Key: YOUR\_FASTLY\_TOKEN

Accept: application/vnd.api+json; ext=bulk

Content-Type: application/vnd.api+json; ext=bulk

```
{
  "data": [
    {
      "id": "3krq2uUGZzb2W9Euo4moOY",
      "type": "service_authorization"
    },
    {
      "id": "71ZA6hv2FO6tGEQIE203Xj",
      "type": "service_authorization"
    }
  ]
}
```

▼ Response Example

**HTTP/1.1 204 OK**

Content-Type: application/vnd.api+json; ext=bulk



```
{
  "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": "6c7kAlo4vACNchGOdQxP37"
          }
        },
        "service": {
          "data": {
            "type": "service",
            "id": "SU1Z0isxPaozGVKXdv0eY"
          }
        }
      }
    },
    {
      "id": "71ZA6hv2FO6tGEQIE203Xj",
      "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": "6c7kAlo4vACNchGOdQxP37"
          }
        },
        "service": {
          "data": {
            "type": "service",
            "id": "hTE5dRlSBICGPJxJwCH4M"
          }
        }
      }
    }
  ]
}
```

## Star

A Star allows users to mark services of interest.

### Fields

field	type	description
created_at	string	Time-stamp (GMT) when the Star was created. Read Only.
updated_at	string	Time-stamp (GMT) when the Star was updated. Read Only.
deleted_at	string	Time-stamp (GMT) when the Star was deleted. Read Only.
service.id	string	Unique ID of the service
user.id	string	Unique ID of the user

### Actions

**GET** /stars/ **id**

Show Star  
Authentication

[API token.](#)

Request Example

```
GET /stars/3krq2uUGZzb2W9Euo4moOY 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": "3krq2uUGZzb2W9Euo4moOY",
    "type": "star",
    "attributes": {
      "created_at": "2017-03-15T20:10:09Z",
      "updated_at": "2017-03-15T20:10:09Z",
      "deleted_at": null
    },
    "relationships": {
      "service": {
        "data": {
          "type": "service",
          "id": "x4xCwxxJxGCx123Rx5xTx"
        }
      },
      "user": {
        "data": {
          "type": "user",
          "id": "6c7kAlo4vACNchG0dQxP37"
        }
      }
    }
  }
}
```

GET /stars

List Stars

Authentication

[API token.](#)

Request Example

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

▼ Response Example

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

```
{
  "data": [
    {
      "id": "3krq2uUGZzb2W9Euo4moOY",
      "type": "star",
      "attributes": {
        "created_at": "2017-03-15T20:10:09Z",
        "updated_at": "2017-03-15T20:10:09Z",
        "deleted_at": null
      },
      "relationships": {
        "service": {
          "data": {
            "type": "service",
            "id": "x4xCwxxJxGCx123Rx5xTx"
          }
        },
        "user": {
          "data": {
            "type": "user",
            "id": "6c7kAlo4vACNchGOdQxP37"
          }
        }
      }
    }
  ],
  "links": {
    "last": "http://api.fastly.com/stars?page[number]=1&page[size]=100"
  },
  "meta": {
    "current_page": 1,
    "per_page": 100,
    "record_count": 1,
    "total_pages": 1
  }
}
```

POST /stars

Create Star  
Authentication

[API token.](#)  
Request Example

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

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

▼ Response Example

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

```
{
  "data": {
    "type": "star",
    "attributes": {
      "created_at": "2017-03-15T20:07:34Z",
      "updated_at": "2017-03-15T20:07:34Z",
      "deleted_at": null,
    },
    "relationships": {
      "user": {
        "data": {
          "type": "user",
          "id": "6c7kAlo4vACNchG0dQxP37"
        }
      },
      "service": {
        "data": {
          "type": "service",
          "id": "SU1z0isxPaozGVKXdv0eY"
        }
      }
    }
  }
}
```

**DELETE** /stars/ **id**

Delete Star  
Authentication

[API token.](#)  
**Request Example**

```
DELETE /stars/3krq2uUGZzb2W9Euo4moOY HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
Content-Type: application/vnd.api+json
```

▼ **Response Example**

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

## User

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

### Fields

field	type	description
created_at	string	Time-stamp (GMT) when the user was created.
customer_id	string	The alphanumeric string identifying a customer.
deleted_at	string	Time-stamp (GMT) when the user was deleted.
email_hash	string	The alphanumeric string indentifying a email login.
id	string	The alphanumeric string identifying a user.
limit_services	boolean	Indicates that the user has limited access to the customer's services.
locked	boolean	Indicates whether the is account is locked for editing or not.
login	string	The email address, which is the login name, of this user.
name	string	The real life name of the user.

field	type	description
require_new_password	boolean	Indicates if a new password is required at next login.
role	string	The role of this user.
two_factor_auth_enabled	boolean	Indicates if 2fa is enabled on the user.
two_factor_setup_required	boolean	Indicates if 2fa is required by the user's customer account.
updated_at	string	Time-stamp (GMT) when the user was updated.

## Actions

**GET** /current\_user

Get the logged in user  
Authentication

[API token.](#)

Request Example

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

▼ Response Example

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

```
{  
  "created_at": "2016-06-14T14:43:01+00:00",  
  "customer_id": "x4xCwxxJxGCx123Rx5xTx",  
  "deleted_at": null,  
  "email_hash": "xe8x2dxffx5bx18123x69x3fxefxexfa",  
  "id": "x9KzsrACXZv8tPwlEDsKb6",  
  "locked": false,  
  "login": "krisowner@example.com",  
  "name": "Kris Owner",  
  "require_new_password": false,  
  "role": "user",  
  "two_factor_auth_enabled": false,  
  "two_factor_setup_required": false,  
  "updated_at": "2016-06-20T16:45:18+00:00"  
}
```

**GET** /user/ id

Get a specific user  
Authentication

[API token.](#)

Request Example

```
GET /user/x9KzsrACXZv8tPwlEDsKb6 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": "x9KzsrACXZv8tPwLEDsKb6",
  "locked": false,
  "login": "krisowner@example.com",
  "name": "Kris Owner",
  "require_new_password": false,
  "role": "user",
  "two_factor_auth_enabled": false,
  "two_factor_setup_required": false,
  "updated_at": "2016-06-20T16:45:18+00:00"
}
```

POST /user

Create a user  
Authentication

[API token](#) with at least `Superuser` [permissions](#).

Request Example

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

```
name=Kris Owner&login=krisowner%40example.com
```

▼ 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": "6c7kAlo4vACNchGOdQxP37",
  "locked": false,
  "login": "krisowner@example.com",
  "name": "Kris Owner",
  "require_new_password": false,
  "role": "user",
  "two_factor_auth_enabled": false,
  "two_factor_setup_required": false,
  "updated_at": "2016-06-20T16:45:18+00:00"
}
```

POST /current\_user/password

Update the user's password to a new one  
Authentication

Username and password.

Request Example

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

```
old_password=oldpasswd&new_password=newpwd
```

▼ Response Example

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

```
{
  "created_at": "2016-06-14T14:43:01+00:00",
  "customer_id": "x4xCwxxJxGCx123Rx5Tx",
  "deleted_at": null,
  "email_hash": "xe8x2dxffx5bx18123x69x3fxefxexfa",
  "id": "x9KzsrACXZv8tPw1EDsKb6",
  "locked": false,
  "login": "krisowner@example.com",
  "name": "Kris Owner",
  "require_new_password": false,
  "role": "user",
  "two_factor_auth_enabled": false,
  "two_factor_setup_required": false,
  "updated_at": "2016-06-20T16:45:18+00:00"
}
```

**POST** /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. Only users with the role of `superuser` can make changes to other users on the account. Non-superusers may use this endp their own account. Modifications to `login` email require a valid password in the request body.  
Authentication

[API token](#).

Request Example

**PUT** /user/x9KzsrACXZv8tPw1EDsKb6 **HTTP/1.1**  
**Fastly-Key:** YOUR\_FASTLY\_TOKEN  
**Content-Type:** application/x-www-form-urlencoded  
**Accept:** application/json

name=Updated%20Name&login=krisowner@example.com&password\_confirmation=YOUR\_FASTLY\_PASSWORD

▼ Response Example

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

```
{
  "created_at": "2016-06-14T14:43:01+00:00",
  "customer_id": "x4xCwxxJxGCx123Rx5Tx",
  "deleted_at": null,
  "email_hash": "xe8x2dxffx5bx18123x69x3fxefxexfa",
  "id": "x9KzsrACXZv8tPw1EDsKb6",
  "locked": false,
  "login": "krisowner@example.com",
  "name": "Updated Name",
  "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"
}
```

**DELETE** /user/ **id**

Delete a user  
Authentication

[API token](#) with at least `Superuser` [permissions](#).

Request Example

```
DELETE /user/x9KzsACXZv8tPwlEDsKb6 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

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

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

## Config

### ACL

An ACL is a named access control list for matching against a client's IP address during VCL processing. A new ACL is empty and is attache 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 mus version (not locked or active), and that version without the ACL must be activated.

### Fields

field	type	description
name	string	Name for the ACL. Must start with alphanumeric and contain only alphanumeric, underscore, and whitespace.

### Actions

**GET** /service/ **service\_id** /version/ **version** /acl

List ACLs  
Authentication

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

Request Example

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

▼ Response Example

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

```
[
  {
    "version": "2",
    "name": "my_acl",
    "id": "6tUXdegLTf5BCig0zGFrU3",
    "service_id": "1j1mtMz1ncwA0KC3TBGD0X",
    "created_at": "2016-04-21T18:14:32+00:00",
    "updated_at": "2016-04-21T18:14:32+00:00",
    "deleted_at": null
  },
  {
    "version": "2",
    "name": "another_acl",
    "id": "6tUXdegLTf5BCig0zGFrU3",
    "service_id": "1j1mtMz1ncwA0KC3TBGD0X",
    "created_at": "2016-04-21T18:14:32+00:00",
    "updated_at": "2016-04-21T18:14:32+00:00",
    "deleted_at": null
  }
]
```



**GET** /service/ **service\_id** /version/ **version** /acl/ **name**

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

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

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/4/acl/my_acl 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": "2cFflPOskFLhmnZJEKU7y6",
  "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](#) of a user with at least `Engineer` [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](#) of a user with at least `Engineer` [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": "2cFflPOskFLhmnZJEfUake",
  "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](#) of a user with at least [Engineer](#) 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 with version. ACL entries can also be negated.

### Fields

field	type	description
ip	string	An IP address.
subnet	string	An optional subnet mask applied to the IP address.
acl_id	string	The ACL this entry belongs to.
negated	boolean	A boolean that will negate the match if true.
comment	string	A personal freeform descriptive note.

### Actions

**GET** /service/ **service\_id** /acl/ **acl\_id** /entries

List of ACL entries given service and ACL ID

Authentication

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

Request Example

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

▼ Response Example

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

```
[
  {
    "id": "6yxNzlOpWlV7JfSwvLGtOc",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "acl_id": "2cFflPOskFLhmnZJEfUake",
    "ip": "127.0.0.1",
    "negated": "0",
    "subnet": null,
    "comment": "",
    "created_at": "2016-04-21T18:14:32+00:00",
    "updated_at": "2016-04-21T18:14:32+00:00",
    "deleted_at": null
  },
  {
    "id": "1ujrCmULAWHUPP7Mzjefxa",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "acl_id": "2cFflPOskFLhmnZJEfUake",
    "ip": "127.0.0.2",
    "negated": "0",
    "subnet": 8,
    "comment": "",
    "created_at": "2016-04-21T18:14:32+00:00",
    "updated_at": "2016-04-21T18:14:32+00:00",
    "deleted_at": null
  }
]
```

**GET** /service/ **service\_id** /acl/ **acl\_id** /entry/ **entry\_id**

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

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

Request Example

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

▼ Response Example

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

```
{
  "id": "1ujrCmULAWHUPP7Mzjefxa",
  "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
}
```

**POST** /service/ **service\_id** /acl/ **acl\_id** /entry

Create ACL entry given service, ACL ID and properties  
Authentication

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

Request Example

```
POST /service/SU1Z0isxPaozGVKXdv0eY/acl/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": "lujrCmULAWHUPP7Mzjefxa",
  "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](#) of a user with at least `Engineer` permissions.

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/acl/2cFflPOskFLhmnZJEfUake/entry/lujrCmULAWHUPP7Mzjefxa HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

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

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

**PATCH** /service/ **service\_id** /acl/ **acl\_id** /entry/ **entry\_id**

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

Authentication

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

Request Example

```
PATCH /service/SU1Z0isxPaozGVKXdv0eY/acl/2cFflPOskFLhmnZJEfUake/entry/lujrCmULAWHUPP7Mzjefxa 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
```

```
{
  "id": "lujrCmULAWHUPP7Mzjefxa",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "acl_id": "2cFflPOskFLhmnZJEfUake",
  "ip": "127.0.0.2",
  "negated": "0",
  "subnet": 0,
  "comment": "",
  "created_at": "2016-04-21T18:14:32+00:00",
  "updated_at": "2016-04-21T18:14:32+00:00",
  "deleted_at": null
}
```

**PATCH** /service/ **service\_id** /acl/ **acl\_id** /entries

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

Authentication

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

Request Example

```
PATCH /service/SU1Z0isxPaozGVKXdv0eY/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

field	type	description
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	Unused.
comment	string	A comment.
connect_timeout	integer	How long to wait for a timeout in milliseconds.
first_byte_timeout	integer	How long to wait for the first bytes in milliseconds.
healthcheck	string	The name of the healthcheck to use with this backend. Can be empty.
hostname	string	The hostname of the backend.
ipv4	string	IPv4 address of the host.
ipv6	string	IPv6 address of the host.
locked	boolean	Specifies whether or not the version is locked for editing.
max_conn	integer	Maximum number of connections.

field	type	description
max_tls_version	string	Maximum allowed TLS version on SSL connections to this backend.
min_tls_version	string	Minimum allowed TLS version on SSL connections to this backend.
name	string	The name of the backend.
override_host	string	The hostname to <a href="#">override the Host header</a> .
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
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. Setting to null will use the system default value (true).
ssl_ciphers	string	List of OpenSSL ciphers (see <a href="https://www.openssl.org/docs/manmaster/man1/ciphers.html">https://www.openssl.org/docs/manmaster/man1/ciphers.html</a> for
ssl_client_cert	string	Client certificate attached to origin.
ssl_client_key	string	Client key attached to origin.
ssl_hostname	string	(Deprecated) Use ssl_cert_hostname and ssl_sni_hostname to configure certificate validation.
ssl_sni_hostname	string	Overrides ssl_hostname, but only for SNI in the handshake. Does not affect cert validation at al
use_ssl	boolean	Whether or not to use SSL to reach the backend.
version	integer	The current version number of a service.
weight	integer	Weight used to load balance this backend against others.

## Actions

**GET** /service/ **service\_id** /version/ **version** /backend

List all backends for a particular service and version.

Authentication

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

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

**GET** /service/ **service\_id** /version/ **version** /backend/ **name**

Get the backend for a particular service and version.  
Authentication

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

Request Example

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

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

**POST** /service/ **service\_id** /version/ **version** /backend

Create a backend for a particular service and version.  
Authentication

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

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

**PUT** /service/ **service\_id** /version/ **version** /backend/ **old\_name**

Update the backend for a particular service and version.  
Authentication

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

Parameters

parameter	type	description
old_name	<i>string</i>	Old name of the backend (used to select the correct backend if the name has been changed).

Request Example

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

name=updated-backend-name

▼ Response Example

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

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

**DELETE** /service/ **service\_id** /version/ **version** /backend/ **name**

Delete the backend for a particular service and version.  
Authentication

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

Request Example

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

▼ Response Example

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

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

## Cache Settings

Controls how caching is performed on Fastly. When used in conjunction with [Conditions](#) the Cache Settings provide you with fine grain control over what content persists in the cache.

### Fields

field	type	description
action	string	Allows for termination of execution and either cache, pass, or restart.
cache_condition	string	Name of the condition used to test whether this settings object should be used.
name	string	Name for the cache settings object.
stale_ttl	integer	Sets the max "Time To Live" for stale (unreachable) objects.

field	type	description
ttl	integer	Sets the "Time To Live".

## Actions

**GET** /service/ **service\_id** /version/ **version** /cache\_settings

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

Authentication

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

### Request Example

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

### ▼ Response Example

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

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

**GET** /service/ **service\_id** /version/ **version** /cache\_settings/ **name**

Get a specific cache settings object.

Authentication

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

### Request Example

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

### ▼ Response Example

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

```
{
  "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](#) of a user with at least [Engineer](#) 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](#) of a user with at least [Engineer](#) permissions.

Parameters

parameter	type	description
old_name	string	Old name of the cache settings object (used to select the correct cache settings object if the name has been ch

Request Example

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

```
stale_ttl=2000&ttl=1000
```

▼ Response Example

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

Request Example

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

▼ Response Example

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

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

## Condition

Conditions are used to control when and how other objects are used in a service configuration. They contain a statement that evaluates to `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

field	type	description
comment	string	
name	string	Name of the condition.
priority	integer	Priority assigned to condition. Order executes from 1 to 10, with 1 being first and 10 being last.
service_id	string	The alphanumeric string identifying a service.
statement	string	The statement used to determine if the condition is met.
type	string	Type of the condition, either "REQUEST" (req), "RESPONSE" (req, resp), "CACHE" (req, beresp), or "PREFETCH"
version	integer	The current version of a service.

### Actions

**GET** /service/ **service\_id** /version/ **version** /condition

Gets all conditions for a particular service and version.

Authentication

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

#### Request Example

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

#### ▼ Response Example

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

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

**GET** /service/ **service\_id** /version/ **version** /condition/ **name**

Gets the specified condition.

Authentication

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

#### Request Example

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

#### ▼ Response Example

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

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

**POST** /service/ **service\_id** /version/ **version** /condition

Creates a new condition.

Authentication

[API token](#) of a user with at least [Engineer](#) 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.basename%20%3D%3D%20%22index.html%22&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.basename == \"index.html\"",
  "type": "REQUEST",
  "version": "1"
}
```

**PUT** /service/ **service\_id** /version/ **version** /condition/ **old\_name**

Updates the specified condition.

Authentication

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

Parameters

parameter	type	description
old_name	string	Old name of the condition object (used to select the correct condition object if the name has been changed).

Request Example

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

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

▼ Response Example

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

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

**DELETE** /service/ **service\_id** /version/ **version** /condition/ **name**

Deletes the specified condition.

Authentication

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

Request Example

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

▼ Response Example

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

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

## Dictionary

A Dictionary is a table that stores key value pairs accessible to VCL functions during VCL processing. A new dictionary is empty and attached to 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 the dictionary, the dictionary must be deleted on a working version (not locked/active), and that version without the dictionary then must be activated.

### Fields

field	type	description
<b>created_at</b>	<i>string</i>	Time-stamp (GMT) when the dictionary was created.
<b>deleted_at</b>	<i>string</i>	Time-stamp (GMT) when the dictionary was deleted.
<b>id</b>	<i>string</i>	The alphanumeric string identifying a dictionary.
<b>name</b>	<i>string</i>	Name for the Dictionary.
<b>service_id</b>	<i>string</i>	The alphanumeric string identifying a service.
<b>updated_at</b>	<i>string</i>	Time-stamp (GMT) when the dictionary was updated.
<b>version</b>	<i>integer</i>	The current version of a service.
<b>write_only</b>	<i>boolean</i>	Determines if items in the dictionary are readable or not.

### Actions

**GET** /service/ **service\_id** /version/ **version** /dictionary

List all dictionaries for the version of the service.

Authentication

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

Request Example

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

▼ Response Example

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

```
[
  {
    "created_at": "2016-04-29T22:16:23+00:00",
    "deleted_at": null,
    "id": "3vjTN8v1O7nOAY7aNDGOL",
    "name": "my_dictionary",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "updated_at": "2016-04-29T22:16:23+00:00",
    "version": 1,
    "write_only": false
  }
]
```

**GET** /service/ **service\_id** /version/ **version** /dictionary/ **name**

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

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

Request Example

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

▼ Response Example

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

```
{
  "created_at": "2016-05-03T16:11:41+00:00",
  "deleted_at": null,
  "id": "5clCytctJrnnPi8wjqPH0q",
  "name": "my_dictionary",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "updated_at": "2016-05-03T16:20:35+00:00",
  "version": 1,
  "write_only": false
}
```

**POST** /service/ **service\_id** /version/ **version** /dictionary

Create named dictionary for a particular service and version.  
Authentication

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

Request Example

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

```
name=my_dictionary
```

▼ Response Example

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

```
{
  "created_at": "2016-05-03T16:11:41+00:00",
  "deleted_at": null,
  "id": "5clCytctJrnnPi8wjqPH0q",
  "name": "my_dictionary",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "updated_at": "2016-05-03T16:11:41+00:00",
  "version": 1,
  "write_only": false
}
```

**PUT** /service/ **service\_id** /version/ **version** /dictionary/ **old\_name**



Update named dictionary for a particular service and version

Authentication

[API token](#) of a user with at least `Engineer_permissions`.

Parameters

parameter	type	description
old_name	string	Old name of the dictionary object (used to select the correct dictionary object if the name has been changed).

Request Example

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

```
name=updated_dictionary
```

▼ Response Example

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

```
{
  "created_at": "2016-05-03T16:11:41+00:00",
  "deleted_at": null,
  "id": "5clCytctJrnpPi8wjqPH0q",
  "name": "updated_dictionary",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "updated_at": "2016-05-03T16:11:41+00:00",
  "version": 1,
  "write_only": false
}
```

**DELETE** /service/ **service\_id** /version/ **version** /dictionary/ **name**

Delete named dictionary for a particular service and version.

Authentication

[API token](#) of a user with at least `Engineer_permissions`.

Request Example

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

▼ Response Example

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

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

## Dictionary Info

DictionaryInfo provides metadata for a Dictionary.

### Fields

field	type	description
last_updated	string	Time-stamp (GMT) when the dictionary was last updated.
item_count	integer	The number of items belonging to the dictionary.
digest	string	Hash of the dictionary content.

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

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/dictionary/5clCytctJrnnPi8wjqpH0q/info HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

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

{
  "item_count": 1,
  "last_updated": "2019-06-04 19:23:11",
  "digest": "43ee763040973ca602549c94c5357a41c280afbb54e48d436af88f4e40d73081"
}
```

## 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

### Fields

field	type	description
created_at	string	Time-stamp (GMT) when the dictionary was created.
deleted_at	string	Time-stamp (GMT) when the dictionary was deleted.
dictionary_id	string	The dictionary for this Item.
item_key	string	Key for the DictionaryItem.
item_value	string	Value for the DictionaryItem.
service_id	string	The service the Dictionary belongs to.
updated_at	string	Time-stamp (GMT) when the dictionary was updated.

### Actions

**GET** /service/ **service\_id** /dictionary/ **dictionary\_id** /items

List of DictionaryItems given service and dictionary ID.

Authentication

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

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/dictionary/5clCytctJrnnPi8wjqpH0q/items HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

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

[
  {
    "dictionary_id": "5clCytctJrnnPi8wjqpH0q",
    "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"
  }
]
```

**GET** /service/ **service\_id** /dictionary/ **dictionary\_id** /item/ **item\_key**

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

Authentication

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

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/dictionary/5clCytctJrnnPi8wjqpH0q/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": "5clCytctJrnnPi8wjqpH0q",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "item_key": "some_key",
  "item_value": "some_value",
  "created_at": "2016-04-21T18:14:32+00:00",
  "deleted_at": null,
  "updated_at": "2016-04-21T18:14:32+00:00"
}
```

**POST** /service/ **service\_id** /dictionary/ **dictionary\_id** /item

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

Authentication

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

Request Example

```
POST /service/SU1Z0isxPaozGVKXdv0eY/dictionary/5clCytctJrnnPi8wjqpH0q/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": "5clCytctJrnnPi8wjqpH0q",
  "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](#) of a user with at least `Engineer` [permissions](#).

Request Example

```
PUT /service/SU1Z0isxPaozGVKXdv0eY/dictionary/5clCytctJrnnPi8wjqpH0q/item/some_key HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json
```

```
item_value=new_value
```

▼ Response Example

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

```
{
  "dictionary_id": "5clCytctJrnnvPi8wjqpH0q",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "item_key": "some_key",
  "item_value": "new_value",
  "created_at": "2016-04-21T18:14:32+00:00",
  "deleted_at": null,
  "updated_at": "2016-04-21T18:14:32+00:00"
}
```

**PATCH** /service/ **service\_id** /dictionary/ **dictionary\_id** /item/ **item\_key**

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

Authentication

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

Request Example

```
PATCH /service/SU1Z0isxPaozGVKXdv0eY/dictionary/5clCytctJrnnvPi8wjqpH0q/item/some_key HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json
```

```
item_value=new_value
```

▼ Response Example

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

```
{
  "dictionary_id": "5clCytctJrnnvPi8wjqpH0q",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "item_key": "some_key",
  "item_value": "new_value",
  "created_at": "2016-04-21T18:14:32+00:00",
  "deleted_at": null,
  "updated_at": "2016-04-21T18:14:32+00:00"
}
```

**PATCH** /service/ **service\_id** /dictionary/ **dictionary\_id** /items

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

Authentication

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

Request Example

```
PATCH /service/SU1Z0isxPaozGVKXdv0eY/dictionary/5clCytctJrnnvPi8wjqpH0q/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": "upsert",
      "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](#) of a user with at least [Engineer](#) permissions.

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/dictionary/5clCytctJrnpPi8wjqPH0q/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

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

## Diff

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

### Fields

field	type	description
from	integer	The version number being diffed from.
to	integer	The version number being diffed to.
format	string	The format the diff is being returned in (text, html or html_simple).
diff	string	The differences between two specified versions.

### Actions

**GET** /service/ **service\_id** /diff/from/ **from** /to/ **to**

Get diff between two versions

Authentication

[API token.](#)

Parameters

parameter	type	description
from	<i>integer</i>	The version to diff from. Can either be a positive number from 1 to your maximum version or a negative number (e.g. -1 for the latest version etc)
to	<i>integer</i>	The version to diff to. Uses same numbering scheme as from.
format	<i>string</i>	Optional method to format the diff field. Can either be text (default), html or html_simple.

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
  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: ''
gzip: []
-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: SU1Z0isxPaozGVKXdv0eY
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 handle requests. Additionally, Directors have a quorum setting which can be used to determine when the Director as a whole is considered "up", in what's called a "whack-a-mole" following an outage as servers come back up.

### Fields

field	type	description
-------	------	-------------

field	type	description
backends	array	List of backend associated with this director.
capacity	integer	Unused.
comment	string	Description field.
created_at	string	Time-stamp (GMT) when the Director was created.
deleted_at	string	Time-stamp (GMT) when the Director was deleted.
name	string	Name for the Director.
quorum	integer	The percentage of capacity that needs to be up for a director to be considered up. Integer, 0 to 100 (default: 75)
service_id	string	The alphanumeric string identifying a service.
shield	string	Selected POP to serve as a "shield" for origin servers.
type	integer	What type of load balance group to use. Integer, 1, 3, or 4. Values: 1=random, 3=hash, 4=client. (default: 1)
updated_at	string	Time-stamp (GMT) when the Director was updated.
retries	integer	How many backends to search if it fails. (default: 5)
version	integer	The current version of a service.

## Actions

**GET** /service/ **service\_id** /version/ **version** /director

List the directors for a particular service and version

Authentication

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

Request Example

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

▼ Response Example

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

[
  {
    "backends": [],
    "capacity": 100,
    "comment": "",
    "created_at": "2016-05-04T21:19:41+00:00",
    "deleted_at": null,
    "name": "test-director",
    "quorum": 75,
    "retries": 20,
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "shield": null,
    "type": 1,
    "updated_at": "2016-05-04T21:29:15+00:00",
    "version": 1
  }
]
```

**GET** /service/ **service\_id** /version/ **version** /director/ **name**

Get the director for a particular service and version

Authentication



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

Request Example

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

▼ Response Example

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

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

**POST** /service/ **service\_id** /version/ **version** /director

Create a director for a particular service and version

Authentication

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

Request Example

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

name=test-director
```

▼ Response Example

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

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

**PUT** /service/ **service\_id** /version/ **version** /director/ **name**

Update the director for a particular service and version

Authentication

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

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

**DELETE** /service/ **service\_id** /version/ **version** /director/ **name**

Delete the director for a particular service and version  
Authentication

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

Request Example

**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 refe

### Fields

field	type	description
backend_name	string	Name of the backend to map to the specified director.
created_at	string	Time-stamp (GMT) when the relationship was created.
deleted_at	string	Time-stamp (GMT) when the relationship was deleted.
director	string	Name of the director.
service_id	string	The alphanumeric string identifying a service.
updated_at	string	Time-stamp (GMT) when the relationship was updated.
version	integer	The current version of a service.

### 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 returns a 404.

Authentication

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

Parameters

parameter	type	description
director_name	string	The director name.

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

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

**POST** /service/ **service\_id** /version/ **version** /director/ **director\_name** /backend/ **backend\_name**

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

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

Parameters

parameter	type	description
director_name	string	The director name.

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 it from this Director.

Authentication

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

Parameters

parameter	type	description
-----------	------	-------------

parameter	type	description
director_name	string	The director name.

Request Example

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

▼ Response Example

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

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

## Domain

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

### Fields

field	type	description
comment	string	A personal freeform descriptive note.
name	string	The name of the domain or domains associated with this service.
service_id	string	The alphanumeric string identifying a service.
version	integer	The current version of a service.

### 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 CNAME of the domain, and the third is a boolean indicating whether or not it has been properly setup to use Fastly.

Authentication

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

Request Example

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

▼ 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](#) of a user with at least `Engineer` permissions.

Request Example

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

▼ Response Example

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

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

**GET** /service/ **service\_id** /version/ **version** /domain

List all the domains for a particular service and version  
Authentication

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

Request Example

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

▼ Response Example

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

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

**GET** /service/ **service\_id** /version/ **version** /domain/ **name**

Get the domain for a particular service and version  
Authentication

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

Request Example

```
GET /service/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](#) of a user with at least `Engineer_permissions`.

### Request Example

```
POST /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](#) of a user with at least `Engineer_permissions`.

### Parameters

parameter	type	description
old_name	string	Old name of the domain object (used to select the correct domain object if the name has been changed).

### 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": "SU1Z0isxPaozGVKXdv0eY",
  "version": 1
}
```

## DELETE /service/ **service\_id** /version/ **version** /domain/ **name**

Delete the domain for a particular service and versions

### Authentication

[API token](#) of a user with at least `Engineer_permissions`.

### Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/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

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

### Actions

**GET** /service/ **service\_id** /version/ **version** /gzip

List all gzip configurations for a particular service and version

Authentication

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

Parameters

parameter	type	description
name	string	Name of the gzip object

**Request Example**

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

▼ Response Example

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

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

**POST** /service/ **service\_id** /version/ **version** /gzip

Create a named gzip configuration on a particular service and version  
Authentication

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

Request Example

```
POST /service/SU1Z0isxPaozGVKXdv0eY/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
```

▼ 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"
}
```

**PUT** /service/ **service\_id** /version/ **version** /gzip/ **old\_name**

Update a named gzip configuration on a particular service and version  
Authentication

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

Parameters

parameter	type	description
old_name	string	Old name of the gzip object (used to select the correct gzip object if the name has been changed).

Request Example

```
POST /service/SU1Z0isxPaozGVKXdv0eY/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
```



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

**DELETE** /service/ **service\_id** /version/ **version** /gzip/ **name**

Delete a named gzip configuration on a particular service and version

Authentication

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

Parameters

parameter	type	description
name	<i>string</i>	Name of the gzip object

Request Example

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

▼ Response Example

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

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

## Header

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

### Fields

field	type	description
<b>action</b>	<i>string</i>	Accepts a string value, one of:
set	-	Sets (or resets) a header
append	-	Appends to an existing header
delete	-	Delete a header
regex	-	Perform a single regex replacement on a header
regex_repeat	-	Perform a global regex replacement on a header
<b>cache_condition</b>	<i>string</i>	Optional name of a CacheCondition to apply.
<b>dst</b>	<i>string</i>	Header to set.
<b>ignore_if_set</b>	<i>integer</i>	Don't add the header if it is added already. (Only applies to 'set' action)
<b>name</b>	<i>string</i>	A handle to refer to this Header object.
<b>priority</b>	<i>integer</i>	Lower priorities execute first. (Default: 100.)

field	type	description
regex	string	Regular expression to use (Only applies to 'regex' and 'regex_repeat' actions).
request_condition	string	Optional name of a RequestCondition to apply.
response_condition	string	Optional name of a ResponseCondition to apply.
service_id	string	The alphanumeric string identifying a service.
src	string	Variable to be used as a source for the header content. (Does not apply to 'delete' action)
substitution	string	Value to substitute in place of regular expression. (Only applies to 'regex' and 'regex_repeat')
type	string	Accepts a string value, one of:
request	-	Performs on the request before lookup occurs
fetch	-	Performs on the request to the origin server
cache	-	Performs on the response before it's stored in the cache
response	-	Performs on the response before delivering to the client
version	integer	The current version of a service.

## Actions

**GET** /service/ **service\_id** /version/ **version** /header

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

Authentication

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

### Request Example

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

### ▼ Response Example

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

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

**GET** /service/ **service\_id** /version/ **version** /header/ **name**

Retrieves a Header object by name.

Authentication

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

### Request Example

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

▼ Response Example

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

```
{
  "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"
}
```

**POST** /service/ **service\_id** /version/ **version** /header

Creates a new Header object.

Authentication

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

Request Example

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

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

▼ Response Example

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

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

**PUT** /service/ **service\_id** /version/ **version** /header/ **old\_name**

Modifies an existing Header object by name.

Authentication

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

Parameters

parameter	type	description
old_name	string	Old name of the header object (used to select the correct header object if the name has been changed).

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

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

**DELETE** /service/ **service\_id** /version/ **version** /header/ **name**

Deletes a Header object by name.  
Authentication

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

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

▼ 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, 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

### Fields

field	type	description
check_interval	<i>integer</i>	How often to run the healthcheck in milliseconds.
comment	<i>string</i>	A comment.
expected_response	<i>integer</i>	The status code expected from the host.
host	<i>string</i>	Which host to check.
http_version	<i>integer</i>	Whether to use version 1.0 or 1.1 HTTP.
initial	<i>integer</i>	When loading a config, the initial number of probes to be seen as OK.

field	type	description
method	string	Which HTTP method to use.
name	string	The name of the healthcheck.
path	string	The path to check.
service_id	string	The alphanumeric string identifying a service.
threshold	integer	How many healthchecks must succeed to be considered healthy.
timeout	integer	Timeout in milliseconds.
version	integer	The current version of a service.
window	integer	The number of most recent healthcheck queries to keep for this healthcheck.

## Actions

**GET** /service/ **service\_id** /version/ **version** /healthcheck

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

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

### Request Example

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

### ▼ Response Example

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

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

**GET** /service/ **service\_id** /version/ **version** /healthcheck/ **name**

Get the healthcheck for a particular service and version  
Authentication

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

### Request Example

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

### ▼ Response Example

```
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
}
```

**POST** /service/ **service\_id** /version/ **version** /healthcheck

Create a healthcheck for a particular service and version

Authentication

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

Request Example

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

```
name=example-healthcheck&host=example.com&path=/test.txt
```

▼ Response Example

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

```
{
  "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
}
```

**PUT** /service/ **service\_id** /version/ **version** /healthcheck/ **old\_name**

Update the healthcheck for a particular service and version

Authentication

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

Parameters

parameter	type	description
old_name	string	Old name of the healthcheck object (used to select the correct healthcheck object if the name has been change

Request Example

```
PUT /service/SU1Z0isxPaozGVKXdv0eY/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

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

**DELETE** /service/ **service\_id** /version/ **version** /healthcheck/ **name**

Delete the healthcheck for a particular service and version  
Authentication

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

Request Example

**DELETE** /service/SU1Z0isxPaozGVKXdv0eY/version/1/healthcheck/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 s handled.

### Fields

field	type	description
action	string	Allows you to terminate request handling and immediately perform an action. When set it can be <i>look</i> cache completely).
bypass_busy_wait	boolean	Disable collapsed forwarding, so you don't wait for other objects to origin.
default_host	string	Sets the host header.
force_miss	boolean	Allows you to force a cache miss for the request. Replaces the item in the cache if the content is cac
force_ssl	boolean	Forces the request use SSL (redirects a non-SSL to SSL).
geo_headers	boolean	Injects Fastly-Geo-Country, Fastly-Geo-City, and Fastly-Geo-Region into the request headers.
hash_keys	string	Comma separated list of varnish request object fields that should be in the hash key.
max_stale_age	integer	How old an object is allowed to be to serve stale-if-error or stale-while-revalidate.

field	type	description
name	string	Name for the request settings.
request_condition	string	Name of condition object used to test whether or not these settings should be used.
service_id	string	The alphanumeric string identifying a service.
timer_support	boolean	Injects the X-Timer info into the request for viewing origin fetch durations.
version	integer	The current version of a service.
xff	string	Short for X-Forwarded-For, should be <i>clear</i> , <i>leave</i> , <i>append</i> , <i>append_all</i> , or <i>overwrite</i> .

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

### Request Example

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

### ▼ Response Example

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

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

**GET** /service/ **service\_id** /version/ **version** /request\_settings/ **name**

Gets the specified Request Settings object.

Authentication

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

### Request Example

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

### ▼ Response Example

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

Request Example

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

hash\_keys=null&action=lookup&xff=append&force\_miss=0&timer\_support=0&force\_ssl=1&geo\_headers=1&name=testrequest&bypass\_busy\_wait=0

▼ Response Example

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

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

**PUT** /service/ **service\_id** /version/ **version** /request\_settings/ **old\_name**

Updates the specified Request Settings object.

Authentication

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

Parameters

parameter	type	description
old_name	string	Old name of the Request Settings object (used to select the correct Request Settings object if the name has been changed)

Request Example

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

hash\_keys=null&action=lookup&xff=append&force\_miss=0&timer\_support=0&force\_ssl=1&geo\_headers=1&name=updated-testrequest&bypass\_busy\_wait=0&max\_stale\_age=60

▼ Response Example

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

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

**DELETE** /service/ **service\_id** /version/ **version** /request\_settings/ **name**

Removes the specified Request Settings object.  
Authentication

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

Request Example

**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 exist in your datacenter. Best when used with [Condition](#) objects.

### Fields

field	type	description
cache_condition	string	Name of the condition checked after we have retrieved an object. If the condition passes then deliver the object instead.
content	string	The content to deliver for the response object, can be empty.
content_type	string	The MIME type of the content, can be empty.
name	string	Name that identifies the Response Object.
status	string	The HTTP Status Code, defaults to 200.
response	string	The HTTP Response, defaults to "Ok"
request_condition	string	Name of the condition to be checked during the request phase. If the condition passes then this object is delivered.
service_id	string	The alphanumeric string identifying a service.

field	type	description
version	integer	The current version of a service.

## Actions

**GET** /service/ **service\_id** /version/ **version** /response\_object

Returns all Response Objects for the specified service and version.

Authentication

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

### Request Example

```
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"
  }
]
```

**GET** /service/ **service\_id** /version/ **version** /response\_object/ **name**

Gets the specified Response Object.

Authentication

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

### Request Example

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

### ▼ Response Example

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

```
{
  "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](#) of a user with at least `Engineer` 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": null,
  "name": "testresponse1",
  "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](#) of a user with at least [Engineer](#) [permissions](#).

Parameters

parameter	type	description
old_name	string	Old name of the Response object (used to select the correct Response object if the name has been changed).

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

Request Example

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

▼ Response Example

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

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

## Service

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

### Fields

field	type	description
active	boolean	Indicates if the version is active for this service.
active_version	array	List of configuration for active version of a service.
backends	array	List of backend associated to this service.
cache_settings	array	List of cache_settings associated to this service.
comment	string	Description field.
conditions	array	List of conditions associated to this service.
created_at	string	Time-stamp (GMT) when the service was created.
customer_id	string	Which customer this service belongs to.
deployed	boolean	Unused at this time.
directors	array	List of directors associated to this service.
domain	array	List of domains associated to this service.
gzsips	array	List of gzip rules associated to this service.
headers	array	List of headers associated to this service.
healthchecks	array	List of healthchecks associated to this service.
locked	boolean	Indicates if this version is locked and uneditable.
logging_syslog	array	List of logging services associated to this service.
number	integer	Current version number of this service.
request_settings	array	List of request_settings for this service.
response_objects	array	List of response_objects for this service.
name	string	The name of this service.
publish_key	string	What key to use for the publish streams.
service_id	string	The alphanumeric string identifying a service.
settings	array	List of default settings for this service.

field	type	description
staging	<i>boolean</i>	Unused at this time.
testing	<i>boolean</i>	Unused at this time.
updated_at	<i>string</i>	Time-stamp (GMT) when the service was updated. This Time-stamp is not updated when dependent only when attributes of the service itself are updated.
vcls	<i>array</i>	List of VCL for this service.
version	<i>integer</i>	The current version of this service.
versions	<i>array</i>	A list of versions associated with this service.
wordpress	<i>array</i>	A list of wordpress rules with this service.

## Actions

**GET** /service

List Services

Authentication

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

Request Example

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

▼ Response Example

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

```
{
  "acls": [],
  "active_version": {
    "active": true,
    "backends": [],
    "cache_settings": [],
    "comment": "",
    "conditions": [],
    "deployed": true,
    "dictionaries": [],
    "directors": [],
    "domains": [],
    "gzsips": [],
    "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](#) of a user with at least `Engineer` permissions.

Request Example

**GET** /service/search?name=test-service **HTTP/1.1**  
**Fastly-Key:** YOUR\_FASTLY\_TOKEN  
**Accept:** application/json

▼ Response Example

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

```
{
  "comment": "",
  "customer_id": "x4xCwxxJxGCx123Rx5xTx",
  "id": "SU1Z0isxPaozGVKXdv0eY",
  "name": "test-service",
  "versions": [
    {
      "active": "1",
      "backend": [],
      "cache_settings": [],
      "comment": "",
      "condition": [],
      "created": "2016-04-27 19:40:52",
      "deleted": "0000-00-00 00:00:00",
      "deployed": "1",
      "director": [],
      "domain": [],
      "gzip": [],
      "header": [],
      "healthcheck": [],
      "locked": "1",
      "logging_syslog": [],
      "number": "2",
      "request_settings": [],
      "response_object": [],
      "service_id": "SU1Z0isxPaozGVKXdv0eY",
      "settings": {
        "general.default_host": "",
        "general.default_pci": 0,
        "general.default_ttl": 3600
      },
      "staging": "1",
      "testing": "1",
      "updated": "2016-05-09 16:28:18",
      "vcl": [],
      "waf": [],
      "wordpress": []
    }
  ]
}
```

**GET** /service/ **id**

Get a specific service by id

Authentication

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

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

▼ **Response Example**

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

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

**POST** /service

Create a service  
Authentication

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

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

```
name=test-service
```

▼ **Response Example**

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

```
{
  "comment": "",
  "created_at": "2016-05-09T20:46:46+00:00",
  "customer_id": "x4xCwxxJxGCx123Rx5xTx",
  "deleted_at": null,
  "id": "SU1Z0isxPaozGVKXdv0eY",
  "name": "test-service",
  "publish_key": "6c8a846405a7293dd13c0c7291ebf011fa4354e3",
  "updated_at": "2016-05-09T20:46:46+00:00",
  "versions": [
    {
      "active": null,
      "backend": 0,
      "comment": "",
      "created_at": "2016-05-09T20:46:46",
      "deleted_at": null,
      "deployed": null,
      "locked": "0",
      "number": "1",
      "service": "SU1Z0isxPaozGVKXdv0eY",
      "service_id": "SU1Z0isxPaozGVKXdv0eY",
      "staging": null,
      "testing": null,
      "updated_at": "2016-05-09T20:46:46"
    }
  ]
}
```

**PUT /service/ id**

Update a service

Authentication

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

Request Example

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

name=updated-service-name

▼ Response Example

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

```
{
  "comment": "",
  "created_at": "2016-05-09T20:46:46+00:00",
  "customer_id": "x4xCwxxJxGCx123Rx5xTx",
  "deleted_at": null,
  "id": "SU1Z0isxPaozGVKXdv0eY",
  "name": "updated-test-service",
  "publish_key": "6c8a846405a7293dd13c0c7291ebf011fa4354e3",
  "updated_at": "2016-05-09T20:46:46+00:00",
  "versions": [
    {
      "active": null,
      "backend": 0,
      "comment": "",
      "created_at": "2016-05-09T20:46:46",
      "deleted_at": null,
      "deployed": null,
      "locked": "0",
      "number": "1",
      "service": "SU1Z0isxPaozGVKXdv0eY",
      "service_id": "SU1Z0isxPaozGVKXdv0eY",
      "staging": null,
      "testing": null,
      "updated_at": "2016-05-09T20:46:46"
    }
  ]
}
```

**DELETE** /service/ **id**

Delete a service  
Authentication

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

Request Example

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

▼ Response Example

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

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

## Settings

Handles default settings for a particular version of a service.

### Fields

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

### Actions

**GET** /service/ **service\_id** /version/ **version** /settings

Get the settings for a particular service and version  
Authentication

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

Request Example

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

▼ Response Example

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

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

**PUT** /service/ **service\_id** /version/ **version** /settings

Update the settings for a particular service and version.

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

Authentication

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

Request Example

```
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 available for all Services, and can be requested by Service and over a particular time span. Stats are available for all Services, and can be requested by Service and over a particular time span. There is now a more flexible, and fully featured [Stats API](#).

### Fields

field	type	description
start_time	integer	Epoch timestamp for period request
end_time	integer	Epoch timestamp for period request
year	integer	Summarize a specific Y/M (requires month)
month	integer	Summarize a specific month (requires year)

### 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 either a timestamp range (using **start\_time** and **end\_time**) or a specified month/year combo (using **month** and **year**)

Authentication

[API token](#).

Request Example

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

▼ Response Example

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

```
{
  "stats": {
    "AMS": {
      "attack_block": 0,
      "attack_body_size": 0,
      "attack_header_size": 0,
      "attack_synth": 0,
      "blacklist": 0,
      "body_size": 47156,
      "header_size": 2548,
      "hits": 0,
      "hits_time": 0.0,
      "http2": 0,
      "imgopto": 0,
      "ipv6": 0,
      "log": 0,
      "miss": 0,
      "miss_time": 0.0,
      "orig_req_body_size": 0,
      "orig_req_header_size": 0,
      "orig_resp_body_size": 0,
      "orig_resp_header_size": 0,
      "otfp": 0,
      "pass": 3,
      "pci": 0,
      "pipe": 0,
      "requests": 3,
      "shield": 0,
      "status_1xx": 0,
      "status_200": 3,
      "status_204": 0,
      "status_2xx": 3,
      "status_301": 0,
      "status_302": 0,
      "status_304": 0,
      "status_3xx": 0,
      "status_4xx": 0,
      "status_503": 0,
      "status_5xx": 0,
      "synth": 0,
      "tls": 0,
      "uncacheable": 0,
      "video": 0
    },
    "additional_data_centers": {}
  }
}
```

## VCL

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

### Fields

field	type	description
content	string	The VCL code to be included.
main	boolean	Set to true when this is the main VCL, otherwise false.
name	string	The name of this VCL.
service_id	string	The alphanumeric string identifying a service.
version	integer	The current version of a service.

### Actions

**GET** /service/ **service\_id** /version/ **version** /vcl

List the uploaded VCLs for a particular service and version

Authentication

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

**Request Example**

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

▼ Response Example

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

```
[
  {
    "content": "backend default {\n  .host = \"127.0.0.1\";\n  .port = \"9092\";\n}\n\nsub vcl_recv {\n  set req.backend = c\nvcl_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
  }
]
```

GET /service/ **service\_id** /version/ **version** /boilerplate

Return boilerplate VCL with the service's TTL from the [settings](#).  
Authentication

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

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

▼ Response Example

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

```
*VCL*
```

GET /service/ **service\_id** /version/ **version** /vcl/ **name**

Get the uploaded VCL for a particular service and version  
Authentication

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

parameter	type	description
no_content	boolean	Omit VCL content (default 0)

Request Example

```
GET /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
```

```
{
  "content": "backend default {\n  .host = \"127.0.0.1\";\n  .port = \"9092\";\n}\n\nsub vcl_recv {\n  set req.backend = def\nvcl_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
}
```

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  
Authentication

API token of a user with at least `Engineer` 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

{
  "content": "<div class=\"highlight\"><pre>  <span class=\"n\">backend</span> <span class=\"n\">default</span> <span class=
<span class=\"o\">.</span><span class=\"n\">host</span> <span class=\"o\">=</span> <span class=\"s\">\"127.0.0.1\"</span></span>
</span>\n    <span class=\"o\">.</span><span class=\"n\">port</span> <span class=\"o\">=</span> <span class=\"s\">\"80\"</span></span>
</span>\n  <span class=\"p\">}</span>\n  \n  <span class=\"k\">sub</span> <span class=\"nf\">vcl_recv</span> <span class=
{</span>\n    <span class=\"n\">set</span> <span class=\"n\">req</span><span class=\"o\">.</span><span class=\"n\">backend</span>
class=\"o\">=</span> <span class=\"n\">default</span><span class=\"p\">}</span>\n  <span class=\"p\">}</span>\n  \n  <span cla
<span class=\"nf\">vcl_hash</span> <span class=\"p\">{</span></span>\n    <span class=\"n\">set</span> <span class=\"n\">req</span>
</span><span class=\"n\">hash</span> <span class=\"o\">+=</span> <span class=\"n\">req</span><span class=\"o\">.</span><span class=
<span class=\"p\">}</span>\n    <span class=\"n\">set</span> <span class=\"n\">req</span><span class=\"o\">.</span><span class=
<span class=\"o\">+=</span> <span class=\"n\">req</span><span class=\"o\">.</span><span class=\"n\">http</span><span class=\"o\">.</span><span class=
class=\"n\">host</span><span class=\"p\">}</span>\n    <span class=\"n\">set</span> <span class=\"n\">req</span><span class=
class=\"n\">hash</span> <span class=\"o\">+=</span> <span class=\"s\">\"0\"</span></span><span class=\"p\">}</span>\n  <span
</span>\n</pre></div>\n"
```

GET /service/ **service\_id** /version/ **version** /vcl/ **name** /download

Download the specified VCL  
Authentication

API token of a user with at least `Engineer` 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

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

Request Example

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

Response Example

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

{
  "content": "backend default {\n  .host = \"127.0.0.1\";\n  .port = \"9093\";\n}\n\nsub vcl_recv {\n  set req.backend = def
vcl_hash {\n  set req.hash += req.url;\n  set req.hash += req.http.host;\n  set req.hash += \"0\";\n}",
  "main": false,
  "name": "c46e2d848a9d3d9e86b85bd1b71616b7",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1"
}
```

GET /service/ **service\_id** /version/ **version** /generated\_vcl/content



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

Authentication

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

Request Example

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

Response Example

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

{
  "content": "<div class=\"highlight\"><pre>  <span class=\"n\">backend</span> <span class=\"n\">default</span> <span class=\"'
class=\"o\">.</span><span class=\"n\">host</span> <span class=\"o\">=</span> <span class=\"s\">\"127.0.0.1\"</span><span><span class=\"o\">.</span><span class=\"n\">port</span> <span class=\"o\">=</span> <span class=\"s\">\"8080\"</span></span></div></pre></div>\n"
}
```

POST /service/ **service\_id** /version/ **version** /vcl

Upload a VCL for a particular service and version

Authentication

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

Request Example

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

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

Response Example

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

{
  "content": "backend default {\n  .host = \"127.0.0.1\";\n  .port = \"9092\";\n}\n\nsub vcl_recv {\n  set req.backend = def
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](#) of a user with at least `Engineer` 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\nsub vcl_recv {\n  set req.backend = def\n  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](#) of a user with at least [Engineer](#) permissions.

Parameters

parameter	type	description
old_name	string	Old name of the VCL object (used to select the correct VCL object if the name has been changed).

Request Example

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

content=<URL-encoded VCL code>

▼ Response Example

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

```
{
  "content": "backend default {\n  .host = \"127.0.0.1\";\n  .port = \"9092\";\n}\n\nsub vcl_recv {\n  set req.backend = def\n  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
}
```

**DELETE** /service/ **service\_id** /version/ **version** /vcl/ **name**

Delete the uploaded VCL for a particular service and version  
Authentication

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

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

## VCL Snippets

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

### Fields

field	type	description
-------	------	-------------

field	type	description
name	string	The name for the snippet.
dynamic	integer	Sets the snippet version to regular ( <code>0</code> ) or dynamic ( <code>1</code> ).
type	string	The location in generated VCL where the snippet should be placed.
init	-	Place the snippet above all subroutines.
recv	-	Place the snippet within the <code>vcl_recv</code> subroutine but below the boilerplate VCL and above any objects.
hash	-	Place the snippet within the <code>vcl_hash</code> subroutine.
hit	-	Place the snippet within the <code>vcl_hit</code> subroutine.
miss	-	Place the snippet within the <code>vcl_miss</code> subroutine.
pass	-	Place the snippet within the <code>vcl_pass</code> subroutine.
fetch	-	Place the snippet within the <code>vcl_fetch</code> subroutine.
error	-	Place the snippet within the <code>vcl_error</code> subroutine.
deliver	-	Place the snippet within the <code>vcl_deliver</code> subroutine.
log	-	Place the snippet within the <code>vcl_log</code> subroutine.
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](#) of a user with at least `Engineer` 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": "3SjAjcCc6e5gXkxBc44fIB",
  "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](#) of a user with at least `Engineer` permissions.

Request Example

```
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](#) of a user with at least [Engineer](#) [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
```

```
{
  "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
}
```

POST /service/ **service\_id** /version/ **version** /snippet

Create a snippet for a particular service and version.  
Authentication

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

Request Example

```
POST /service/SU1Z0isxPaozGVKXdv0eY/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": "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
}
```

**PUT** /service/ **service\_id** /snippet/ **snippet\_id**

Update a dynamic snippet for a particular service.  
Authentication

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

Request Example

```
PUT /service/SU1Z0isxPaozGVKXdv0eY/snippet/62Yd1WfiCBPENLloXfXmlo HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/x-www-form-urlencoded
Accept: application/json
```

```
content="backend new_backend {}"
```

▼ Response Example

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

```
{
  "snippet_id": "62Yd1WfiCBPENLloXfXmlo",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "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](#) of a user with at least [Engineer](#) permissions.

Request Example

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

```
name=new_snippet_name
```

▼ Response Example

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

```
{
  "id": "62Yd1WfiCBPENLloXfXmlo",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "name": "new_snippet_name",
  "priority": "100",
  "dynamic": "1",
  "type": "hit",
  "content": null,
  "created_at": "2016-08-15T09:37:10+00:00",
  "updated_at": "2016-08-15T09:47:10+00:00",
  "deleted_at": null
}
```

**DELETE** /service/ **service\_id** /version/ **version** /snippet/ **name**

Delete a specific snippet for a particular service and version.

Authentication

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

Request Example

```
DELETE /service/SU1z0isxPaozGVKXdv0eY/version/1/snippet/my_snippet HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

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

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

## Version

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

### Fields

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

### Actions

**GET** /service/ **service\_id** /version

List the versions for a particular service.

Authentication

[API token](#).

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
```

```
[
  {
    "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**

Get the version for a particular service.  
Authentication

[API token.](#)

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.](#)

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/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.](#)

Request Example

```
POST /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
```

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

PUT /service/ **service\_id** /version/ **number**

Update a particular version for a particular service.  
Authentication

[API token](#).

Request Example

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

```
deployed=true&staging=true&testing=true
```

▼ 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"
}
```

PUT /service/ **service\_id** /version/ **number** /activate

Activate the current version.  
Authentication

[API token](#).

Request Example

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

▼ Response Example

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

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

**PUT** /service/ **service\_id** /version/ **number** /deactivate

Deactivate the current version.  
Authentication

[API token.](#)

Request Example

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

▼ Response Example

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

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

**PUT** /service/ **service\_id** /version/ **number** /clone

Clone the current configuration into a new version.  
Authentication

[API token.](#)

Request Example

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

▼ Response Example

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

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



**PUT** /service/ **service\_id** /version/ **number** /lock

Locks the specified version.

Authentication

[API token](#).

Request Example

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

▼ Response Example

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

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

## Dynamic Servers

Fastly's Load Balancer allows you to create pools of origin servers that you dynamically manage using [Dynamic Servers](#) to distribute and di set up Dynamic Servers, you attach a pool to a service, then add versionless origin server that are stored separately from your VCL configur 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](#) description

## 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 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 outag

#### Fields

field	type	description
id	string	Alphanumeric string identifying this pool. Automatically generated.
service_id	string	Alphanumeric string identifying a service. Automatically populated.
version	integer	Current version of a service. Automatically populated.
name	string	Name of pool. Required.
shield	string	Selected POP to serve as a shield for servers. Optional. Defaults to <code>null</code> meaning no origin shielding
request_condition	string	Condition which, if met, will select this pool during a request. Optional.
max_conn_default	integer	Maximum number of connections. Optional. Defaults to <code>200</code> if not set.
connect_timeout	integer	How long to wait for a timeout in milliseconds. Optional.
first_byte_timeout	integer	How long to wait for the first byte in milliseconds. Optional.

field	type	description
quorum	integer	Percentage of capacity ( <code>0-100</code> ) that needs to be operationally available for a pool to be considered up. Defaults to <code>75</code> if not set.
use_tls	string	Whether or not to use TLS to reach any server in the pool. Optional. Defaults to <code>"0"</code> .
tls_ca_cert	string	CA certificate attached to origin. Optional.
tls_ciphers	string	List of OpenSSL ciphers (see <a href="#">OpenSSL docs</a> for details). Optional.
tls_client_key	string	Client key attached to server. Optional.
tls_client_cert	string	Client certificate attached to server. Optional.
tls_sni_hostname	string	SNI hostname. Optional.
tls_check_cert	string	Be strict on checking TLS certs. Optional.
tls_cert_hostname	string	TLS cert hostname. Optional.
min_tls_version	integer	Minimum allowed TLS version on connections to this server. Optional.
max_tls_version	integer	Maximum allowed TLS version on connections to this server. Optional.
healthcheck	string	Name of the healthcheck to use with this pool. Can be empty and could be reused across multiple backends.
comment	string	Optional.
type	string	What type of load balance group to use. Values can be <code>random</code> , <code>hash</code> , <code>client</code> .
override_host	string	The hostname to <a href="#">override the Host header</a> . Optional. Defaults to <code>null</code> meaning no override of the Host header. The <code>Host</code> setting can also be added to a Server definition. If the field is set on a Server definition it will override the pool's <code>override_host</code> .

## Actions

**GET** /service/ **service\_id** /version/ **version** /pool

Lists all pools for a particular service and pool.

Authentication

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

Parameters

parameter	type	description
service_id	string	Alphanumeric string identifying a service.
version	integer	Current version of a service.

### 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": "2Yd1WfiCBPENLloXfXmlo",
    "service_id": "62SNBYLi10xpIiixmsAcXy",
    "version": "1",
    "name": "my_pool",
    "shield": null,
    "override_host": null,
    "use_tls": "0",
    "type": "random",
    "request_condition": null,
    "max_conn_default": "200",
    "connect_timeout": "1000",
    "first_byte_timeout": "15000",
    "quorum": "75",
    "tls_ca_cert": null,
    "tls_ciphers": null,
    "tls_client_key": null,
    "tls_client_cert": null,
    "tls_sni_hostname": null,
    "tls_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](#) of a user with at least [Engineer](#) [permissions](#).

Parameters

parameter	type	description
service_id	<i>string</i>	Alphanumeric string identifying a service.
version	<i>integer</i>	Current version of a service.
pool_name	<i>string</i>	Name of the pool.

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": "2Yd1WfiCBPENLloXfXm1O",
  "service_id": "62SNBYLil0xp1iixmsAcXy",
  "version": "1",
  "name": "my_pool",
  "shield": null,
  "override_host": null,
  "use_tls": "0",
  "type": "random",
  "request_condition": null,
  "max_conn_default": "200",
  "connect_timeout": "1000",
  "first_byte_timeout": "15000",
  "quorum": "75",
  "tls_ca_cert": null,
  "tls_ciphers": null,
  "tls_client_key": null,
  "tls_client_cert": null,
  "tls_sni_hostname": null,
  "tls_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
}
```

**POST** /service/ **service\_id** /version/ **version** /pool

Creates a pool for a particular service and version.  
Authentication

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

Parameters

parameter	type	description
service_id	<i>string</i>	Alphanumeric string identifying a service.
version	<i>integer</i>	Development version of a service.

Request Example

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

name=my\_pool

▼ Response Example

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

```
{
  "id": "2Yd1WfiCBPENLloXfXm1O",
  "service_id": "62SNBYLi10xp1iixmsAcXy",
  "version": "1",
  "name": "my_pool",
  "shield": null,
  "override_host": null,
  "use_tls": "0",
  "type": "random",
  "request_condition": null,
  "max_conn_default": "200",
  "connect_timeout": "1000",
  "first_byte_timeout": "15000",
  "quorum": "75",
  "tls_ca_cert": null,
  "tls_ciphers": null,
  "tls_client_key": null,
  "tls_client_cert": null,
  "tls_sni_hostname": null,
  "tls_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
}
```

**PUT** /service/ **service\_id** /version/ **version** /pool/ **pool\_name**

Updates a specific pool for a particular service and version.  
Authentication

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

Parameters

parameter	type	description
service_id	<i>string</i>	Alphanumeric string identifying a service.
version	<i>integer</i>	Development version of a service.
pool_name	<i>string</i>	Name of the pool.

Request Example

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

```
max_conn_default=300
```

▼ Response Example

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

```
{
  "id": "2Yd1WfiCBPENLloXfXm1O",
  "service_id": "62SNBYLi10xp1iixmsAcXy",
  "version": "1",
  "name": "my_pool",
  "shield": null,
  "override_host": null,
  "use_tls": "0",
  "type": "random",
  "request_condition": null,
  "max_conn_default": "300",
  "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](#) of a user with at least [Engineer](#) [permissions](#).

Parameters

parameter	type	description
service_id	<i>string</i>	Alphanumeric string identifying a service.
version	<i>integer</i>	Current version of a service.
pool_name	<i>string</i>	Name of the pool.

Request Example

```
DELETE /service/SU1z0isxPaozGVKXdv0eY/version/1/pool/my_pool HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

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

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

## Server

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

### Fields

field	type	description
id	<i>string</i>	Alphanumeric string identifying this server. Automatically generated.
service_id	<i>string</i>	Alphanumeric string identifying a service. Automatically populated.

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

## Actions

**GET** /service/ **service\_id** /pool/ **pool\_id** /servers

Lists all servers for a particular service and pool.

Authentication

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

Parameters

parameter	type	description
service_id	string	Alphanumeric string identifying a service.
pool_id	string	Alphanumeric string identifying a pool.

### Request Example

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

### ▼ Response Example

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

[
  {
    "id": "6kEuoknxiaDBCLiAjKqyXq",
    "service_id": "6k2He0IyVFUTO6RNO1BNDe",
    "pool_id": "6kAX81nQ1jsNWZGnXvFSKY",
    "weight": "100",
    "max_conn": "200",
    "port": "80",
    "override_host": null,
    "address": "example.com",
    "comment": "",
    "disabled": false,
    "created_at": "2016-06-20T08:20:36+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](#) of a user with at least [Engineer](#) [permissions](#).

Parameters

parameter	type	description
service_id	string	Alphanumeric string identifying a service.
pool_id	string	Alphanumeric string identifying a pool.
server_id	string	Alphanumeric string identifying this server.

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": "6kAX81nQ1jsNWZGnXvFSKY",  
  "weight": "100",  
  "max_conn": "200",  
  "port": "80",  
  "override_host": null,  
  "address": "example.com",  
  "comment": "",  
  "disabled": false,  
  "created_at": "2016-06-20T08:20:36+00:00",  
  "updated_at": "2016-06-20T08:20:36+00:00",  
  "deleted_at": null  
}
```

**POST** /service/ **service\_id** /pool/ **pool\_id** /server

Creates a single server for a particular service and pool.

Authentication

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

Parameters

parameter	type	description
service_id	string	Alphanumeric string identifying a service.
pool_id	string	Alphanumeric string identifying a pool.

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": "6kEuoknxiaDBCLiAjKqyXq",
  "service_id": "6k2He0IyVFUTO6RNO1BNDe",
  "pool_id": "6kAX81nQ1jsNWZGnXvFSKY",
  "weight": "100",
  "max_conn": "200",
  "port": "80",
  "override_host": null,
  "address": "example.com",
  "comment": "",
  "disabled": false,
  "created_at": "2016-06-20T08:20:36+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](#) of a user with at least [Engineer](#) permissions.

Parameters

parameter	type	description
service_id	string	Alphanumeric string identifying a service.
pool_id	string	Alphanumeric string identifying a pool.
server_id	string	Alphanumeric string identifying this server.

Request Example

```
PUT /service/SU1Z0isxPaozGVKXdv0eY/pool/60OHK90EoxghKpGk4pGLyM/server/6kEuoknxiaDBCLiAjKqyXq HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
Content-Type: application/x-www-form-urlencoded
```

```
max_conn=300
```

▼ Response Example

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

```
{
  "id": "6kEuoknxiaDBCLiAjKqyXq",
  "service_id": "6k2He0IyVFUTO6RNO1BNDe",
  "pool_id": "6kAX81nQ1jsNWZGnXvFSKY",
  "weight": "100",
  "max_conn": "300",
  "port": "80",
  "override_host": null,
  "address": "example.com",
  "comment": "",
  "disabled": false,
  "created_at": "2016-06-20T08:20:36+00:00",
  "updated_at": "2016-06-20T08:20:36+00:00",
  "deleted_at": null
}
```

**DELETE** /service/ **service\_id** /pool/ **pool\_id** /server/ **server\_id**

Deletes a single server for a particular service and pool.  
Authentication

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

Parameters

parameter	type	description
service_id	string	Alphanumeric string identifying a service.

parameter	type	description
pool_id	string	Alphanumeric string identifying a pool.
server_id	string	Alphanumeric string identifying this server.

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/pool/600HK90EoxghKpGk4pGLyM/server/6kEuoknxiaDBCLiAjKqyXq HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

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

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

## Purge

### Purging

Instant Purging removes content from Fastly immediately so it can be refreshed from your origin servers. The main entry point for the API, ht needed for an individual URL Instant Purge.

### Actions

**PURGE** \*

Instant Purge an individual URL.  
Authentication

Disabled by default. See [Authenticating URL purge requests via API](#) to enable.  
Parameters

parameter	type	description
*	string	Full path of the URL.

Request Example

```
curl -X PURGE https://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](#) of a user with at least [Engineer](#) permissions.

Request Example

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

▼ Response Example

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

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

**POST** /service/ **service\_id** /purge/ **key**

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

Authentication

[API token.](#)

Parameters

parameter	type	description
key	string	Surrogate Key to purge.

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.](#)

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.](#)

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
```

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

## Soft Purging

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

### Actions

**PURGE** \*

Soft Purge an individual URL.

Authentication

Disabled by default. See [Authenticating URL purge requests via API](#) to enable.

Parameters

parameter	type	description
*	string	Full path of the URL

Request Example

```
curl -X PURGE -H "Fastly-Soft-Purge:1" https://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

[API token](#).

Request Example

```
POST /service/SU1Z0isxPaozGVKXdv0eY/purge/hTE5dRlSBICGPJxJwCH4M 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

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

## Endpoint

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

## Authentication

To [authenticate](#), use a `Fastly-Key` header containing your [API token](#).

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

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

## Availability of Data

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

**! IMPORTANT:** You cannot retrieve minutely historical statistics data older than 90 days from the current date. Contact [support@fastly.com](mailto:support@fastly.com) if you have any minutely data needs.

## Query Options (Time Range, Sampling Rate, and Regions)

There are four query parameters that you can use to specify what information is returned by the stats API. The `from` and `to` parameters control the time range you want to fetch stats information. The `by` controls the sampling rate (day, hour, or minute). And the `region` parameter allows you to restrict results 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 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 <https://github.com/mojombo/chronic>.

Let's see some examples:

<code>/stats?from=10+days+ago</code>
Returns stats for each of your services, by day, for the last ten days
<code>/stats?from=1494793777&amp;to=1494966577</code>
Stats from Tuesday 14th May 2017 @ 20:29:37 UTC to Thursday 16th May 2017 @ 20:29:37 UTC
<code>/stats?from=1%2F1%2F2017&amp;to=2%2F1%2F2017</code>
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/` (`from=1/1/2013 00:00&to=2/1/2013 00:00`, before encoding).

The `from` parameter is "inclusive" and the `to` parameter is "exclusive". This means that we will return only rows with recorded times that are greater than or equal to `from` and less than `to`. Inequality:

```
1 from <= recorded < to
```

**i NOTE:** We store historical stats information using UTC, and not local time zones. This means that we will use the UTC interpretations of times 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:

- `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` paramete

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

<code>/stats</code>
Defaults to: By day, from 1 month ago, to now

<code>/stats?by=hour</code>
Defaults to: by hour, from 1 day ago, to now

<code>/stats?by=minute</code>
Defaults to: by minute, from 30 minutes ago, to now

It is important to remember the following conversions when performing queries:

- 1 day = 24 hours
- 1 hour = 60 minutes
- 1 day = 60 \* 24 = 1,440 minutes

When changing the sampling rate via the `by` parameter you can accidentally ask for very large data sets if you have defined `to` and `from` 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` 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:

<code>/stats</code>
Returns stats for all regions

<code>/stats?region=usa</code>
Returns stats for only US POPs

<code>/stats?region=europe</code>
Returns stats for European POPs only

The following endpoint provides a complete list of all available regions:

GET <code>/stats/regions</code>
---------------------------------

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

## API Reference

### Historical Stats

#### Fields

field	type	description
requests	<i>integer</i>	Number of requests processed.
hits	<i>integer</i>	Number of cache hits.
hits_time	<i>float</i>	Total amount of time spent processing cache hits (in seconds).
miss	<i>integer</i>	Number of cache misses.
miss_time	<i>float</i>	Total amount of time spent processing cache misses (in seconds).
pass	<i>integer</i>	Number of requests that passed through the CDN without being cached.
pass_time	<i>float</i>	Total amount of time spent processing cache passes (in seconds).
errors	<i>integer</i>	Number of cache errors.
restarts	<i>integer</i>	Number of restarts performed.
hit_ratio	<i>float</i>	Ratio of cache hits to cache misses (between 0 and 1).
bandwidth	<i>integer</i>	Total bytes delivered (resp_header_bytes + resp_body_bytes + bereq_header_bytes)
body_size	<i>integer</i>	Total body bytes delivered (alias for resp_body_bytes).
header_size	<i>integer</i>	Total header bytes delivered (alias for resp_header_bytes).



field	type	description
req_body_bytes	integer	Total body bytes received.
req_header_bytes	integer	Total header bytes received.
resp_body_bytes	integer	Total body bytes delivered.
resp_header_bytes	integer	Total header bytes delivered.
bereq_body_bytes	integer	Total body bytes sent to origin.
bereq_header_bytes	integer	Total header bytes sent to origin.
uncacheable	integer	Number of requests that were designated uncacheable.
pipe	integer	Optional. Pipe operations performed (legacy feature).
tls	integer	Number of requests that were received over TLS.
tls_v10	integer	Number of requests received over TLS 1.0.
tls_v11	integer	Number of requests received over TLS 1.1.
tls_v12	integer	Number of requests received over TLS 1.2.
tls_v13	integer	Number of requests received over TLS 1.3
shield	integer	Number of requests from edge to the shield POP.
shield_resp_body_bytes	integer	Total body bytes delivered via a shield.
shield_resp_header_bytes	integer	Total header bytes delivered via a shield.
ipv6	integer	Number of requests that were received over IPv6.
otfp	integer	Number of responses that came from the Fastly On-the-Fly Packager for On Demand video-on-demand.
otfp_resp_body_bytes	integer	Total body bytes delivered from the Fastly On-the-Fly Packager for On Demand Streaming video-on-demand.
otfp_resp_header_bytes	integer	Total header bytes delivered from the Fastly On-the-Fly Packager for On Demand Streaming video-on-demand.
otfp_shield_resp_body_bytes	integer	Total body bytes delivered via a shield for the Fastly On-the-Fly Packager for On Demand Streaming for video-on-demand.
otfp_shield_resp_header_bytes	integer	Total header bytes delivered via a shield for the Fastly On-the-Fly Packager for On Demand Streaming for video-on-demand.
otfp_manifests	integer	Number of responses that were manifest files from the Fastly On-the-Fly Packager for On Demand Streaming service for video-on-demand.
otfp_deliver_time	float	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).
otfp_shield_time	float	Total amount of time spent delivering a response via a shield from the Fastly On-the-Fly Packager for On Demand Streaming service for video-on-demand (in seconds).



field	type	description
video	integer	Number of responses with the video segment or video manifest MIME type (i.e., application/vnd.apple.mpegurl, application/f4m, application/dash+xml, application/vnd.apple.mpegurl, video/mp2t, audio/aac, video/f4f, video/x-flv, video/mp4, audio/mp4).
pci	integer	Number of responses with the PCI flag turned on.
log	integer	Number of log lines sent.
http2	integer	Number of requests received over HTTP2.
waf_logged	integer	Number of requests that triggered a WAF rule and were logged.
waf_blocked	integer	Number of requests that triggered a WAF rule and were blocked.
waf_passed	integer	Number of requests that triggered a WAF rule and were passed.
attack_req_body_bytes	integer	Total body bytes received from requests that triggered a WAF rule.
attack_req_header_bytes	integer	Total header bytes received from requests that triggered a WAF rule.
attack_logged_req_body_bytes	integer	Total body bytes received from requests that triggered a WAF rule that was logged.
attack_logged_req_header_bytes	integer	Total header bytes received from requests that triggered a WAF rule that was logged.
attack_blocked_req_body_bytes	integer	Total body bytes received from requests that triggered a WAF rule that was blocked.
attack_blocked_req_header_bytes	integer	Total header bytes received from requests that triggered a WAF rule that was blocked.
attack_passed_req_body_bytes	integer	Total body bytes received from requests that triggered a WAF rule that was passed.
attack_passed_req_header_bytes	integer	Total header bytes received from requests that triggered a WAF rule that was passed.
attack_resp_synth_bytes	integer	Total bytes delivered for requests that triggered a WAF rule and returned a synthetic response.
imgopto	integer	Number of responses that came from the Fastly Image Optimizer service.
imgopto_resp_body_bytes	integer	Total body bytes delivered from the Fastly Image Optimizer service.
imgopto_resp_header_bytes	integer	Total header bytes delivered from the Fastly Image Optimizer service.
imgopto_shield_resp_body_bytes	integer	Total body bytes delivered via a shield from the Fastly Image Optimizer service.
imgopto_shield_resp_header_bytes	integer	Total header bytes delivered via a shield from the Fastly Image Optimizer service.
status_200	integer	Number of responses sent with status code 200 (Success).
status_204	integer	Number of responses sent with status code 204 (No Content).
status_301	integer	Number of responses sent with status code 301 (Moved Permanently).
status_302	integer	Number of responses sent with status code 302 (Found).
status_304	integer	Number of responses sent with status code 304 (Not Modified).
status_400	integer	Number of responses sent with status code 400 (Bad Request).
status_401	integer	Number of responses sent with status code 401 (Unauthorized).
status_403	integer	Number of responses sent with status code 403 (Forbidden).

field	type	description
status_404	integer	Number of responses sent with status code 404 (Not Found).
status_416	integer	Number of responses sent with status code 416 (Range Not Satisfiable).
status_500	integer	Number of responses sent with status code 500 (Internal Server Error).
status_501	integer	Number of responses sent with status code 501 (Not Implemented).
status_502	integer	Number of responses sent with status code 502 (Bad Gateway).
status_503	integer	Number of responses sent with status code 503 (Service Unavailable).
status_504	integer	Number of responses sent with status code 504 (Gateway Timeout).
status_505	integer	Number of responses sent with status code 505 (HTTP Version Not Supported).
status_1xx	integer	Number of "Informational" category status codes delivered.
status_2xx	integer	Number of "Success" status codes delivered.
status_3xx	integer	Number of "Redirection" codes delivered.
status_4xx	integer	Number of "Client Error" codes delivered.
status_5xx	integer	Number of "Server Error" codes delivered.
object_size_1k	integer	Number of objects served that were under 1KB in size.
object_size_10k	integer	Number of objects served that were between 1KB and 10KB in size.
object_size_100k	integer	Number of objects served that were between 10KB and 100KB in size.
object_size_1m	integer	Number of objects served that were between 100KB and 1MB in size.
object_size_10m	integer	Number of objects served that were between 1MB and 10MB in size.
object_size_100m	integer	Number of objects served that were between 10MB and 100MB in size.
object_size_1g	integer	Number of objects served that were between 100MB and 1GB in size.

## Actions

**GET** /stats

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

Authentication

[API token](#).

**Request Example**

```
GET /stats?from=1+day+ago HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ **Response Example**

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

```
{
  "status": "success",
  "meta": {
    "to": "Thu May 16 20:08:35 UTC 2013",
    "from": "Wed May 15 20:08:35 UTC 2013",
    "by": "day",
    "region": "all"
  },
  "msg": null,
  "data": {
    "6ElZZvtumbwtLBDJvFwepx": [
      {
        "requests": "1925645",
        "miss_time": "55.153864891000005",
        "start_time": "1368662400",
        "service_id": "6ElZZvtumbwtLBDJvFwepx",
        "bandwidth": "176544526854",
        "hits": "1902348",
        "hits_time": "520.0779119150006",
        "miss": "8354",
        "body_size": "175900019026",
        "pass": "4212",
        "header_size": "644507828",
        "req_header_bytes": "2905859973",
        "req_body_bytes": "390017958",
        "resp_header_bytes": "644507828",
        "resp_body_bytes": "175900019026",
        "breq_header_bytes": "1870557109",
        "breq_body_bytes": "389234083",
        "status_200": "1208426",
        "status_204": "0",
        "status_301": "0",
        "status_302": "0",
        "status_304": "0",
        "errors": "8418",
        "hit_ratio": "0.9956",
        "status_1xx": "0",
        "status_2xx": "1208426",
        "status_3xx": "0",
        "status_4xx": "708801",
        "status_503": "8418",
        "pipe": "0",
        "status_5xx": "8418",
        "uncacheable": "0",
        "tls": "2804069",
        "shield": "208055",
        "ipv6": "14156",
        "otfp": "12006",
        "video": "306053",
        "pci": "3041",
        "logging": "2088120",
        "http2": "251589",
        "waf_logged": "508",
        "waf_blocked": "360",
        "waf_passed": "0",
        "attack_req_body_bytes": "1274842",
        "attack_req_header_bytes": "892196",
        "attack_resp_synth_bytes": "0",
        "img_opto": "1404"
      }
    ],
    "5oYej0l0heMydtjaVPOq4z": [
      {
        "requests": "751",
        "miss_time": "1.198163271",
        "start_time": "1368662400",
        "service_id": "5oYej0l0heMydtjaVPOq4z",
        "bandwidth": "1159652",
        "hits": "743",
        "hits_time": "0.07059622299999999",
        "miss": "8",
        "body_size": "721082",
        "pass": "0",
        "header_size": "438570",
        "req_header_bytes": "2905859973",
        "req_body_bytes": "390017958",
        "resp_header_bytes": "438570",
        "resp_body_bytes": "721082",
        "breq_header_bytes": "1870557109",
        "breq_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](#).

**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
```

```
{
  "status": "success",
  "meta": {
    "to": "Thu May 16 17:13:03 UTC 2013",
    "from": "Thu May 16 14:13:03 UTC 2013",
    "by": "hour",
    "region": "all"
  },
  "msg": null,
  "data": {
    "6ElZZvtumbwtLBDJvFwepx": [
      {
        "service_id": "6ElZZvtumbwtLBDJvFwepx",
        "start_time": "1368716400",
        "hit_ratio": "0.0000"
      },
      {
        "service_id": "6ElZZvtumbwtLBDJvFwepx",
        "start_time": "1368720000",
        "hit_ratio": "0.9769"
      },
      {
        "service_id": "6ElZZvtumbwtLBDJvFwepx",
        "start_time": "1368723600",
        "hit_ratio": "0.9944"
      }
    ],
    "5oYej0l0heMydtjaVPOq4z": [
      {
        "service_id": "5oYej0l0heMydtjaVPOq4z",
        "start_time": "1368716400",
        "hit_ratio": "0.9857"
      },
      {
        "service_id": "5oYej0l0heMydtjaVPOq4z",
        "start_time": "1368720000",
        "hit_ratio": "1.0000"
      },
      {
        "service_id": "5oYej0l0heMydtjaVPOq4z",
        "start_time": "1368723600",
        "hit_ratio": "1.0000"
      }
    ]
  }
}
```

**GET** /stats/aggregate

Fetches historical stats information aggregated across all of your Fastly services.  
Authentication

[API token](#).

Request Example

```
GET /stats/aggregate?from=1368563377&to=1368736177 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

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

```
{
  "status": "success",
  "meta": {
    "to": "Thu May 16 20:29:37 UTC 2013",
    "from": "Tue May 14 20:29:37 UTC 2013",
    "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_lxx": "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",
      "resp_header_bytes": "2805934783",
      "resp_body_bytes": "198672905955",
      "breq_header_bytes": "1870557109",
      "breq_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_lxx": "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](#).

**Request Example**

```
GET /stats/service/1j1mtMz1ncwA0KC3TBGD0X?from=40+minutes+ago&to=38+minutes+ago&by=minute HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ **Response Example**

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

```
{
  "status": "success",
  "meta": {
    "to": "Thu May 16 19:57:24 UTC 2013",
    "from": "Thu May 16 19:55:24 UTC 2013",
    "by": "minute",
    "region": "all"
  },
  "msg": null,
  "data": [
    {
      "requests": "21",
      "miss_time": "0",
      "start_time": "1368734160",
      "service_id": "1j1mtMz1ncwA0KC3TBGD0X",
      "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",
      "breq_header_bytes": "1870557109",
      "breq_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": "1j1mtMz1ncwA0KC3TBGD0X",
      "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",
      "breq_header_bytes": "1870557109",
      "breq_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.](#)

Request Example

```
GET /stats/service/1j1mtMz1ncwA0KC3TBGD0X/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": "1j1mtMz1ncwA0KC3TBGD0X",
      "start_time": "1368576000",
      "bandwidth": "376983356"
    },
    {
      "service_id": "1j1mtMz1ncwA0KC3TBGD0X",
      "start_time": "1368662400",
      "bandwidth": "322029360"
    }
  ]
}
```

**GET** /stats/usage

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

[API token.](#)

Request Example

```
GET /stats/usage?from=1%2F1%2F2013&to=2%2F1%2F2013 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 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.](#)

Request Example

```
GET /stats/usage_by_service?from=2%2F1%2F2013&to=3%2F1%2F2013 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

```
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 are not broken down by individual service. 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. `month` is optional and default to the current month and `year` is optional and default to the current year respectively. When set, an optional `billable_units` field will convert bandwidth to GB and requests to 10,000.

Authentication

[API token](#).

Parameters

parameter	type	description
month	<i>integer</i>	2-digit month.
year	<i>integer</i>	4-digit year.
billable_units	<i>string</i>	If 'true', return results as billable units.

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
      },
      "south_africa": {
        "bandwidth": 8.77620445,
        "requests": 37.9704
      },
      "usa": {
        "bandwidth": 2330.717545144,
        "requests": 5524.7604
      }
    }
  }
}
```

GET /stats/regions

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

Authentication

[API token.](#)

Request Example

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

▼ Response Example

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

{
  "status": "success",
  "meta": {
    "to": "Thu May 16 19:52:15 UTC 2013",
    "from": "Tue Apr 16 19:52:15 UTC 2013",
    "by": "day",
    "region": "all"
  },
  "msg": null,
  "data": [
    "apac",
    "ausnz",
    "usa",
    "europe"
  ]
}
```

## Real-time analytics

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 made over HTTPS.

### Authentication

To [authenticate](#), use a `Fastly-Key` header containing your [API token](#).

### Channels

A channel ID is equivalent to a service ID, so each channel will provide real-time analytics for one service. The provided service ID must be correctly 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](#) 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 single data point.

```
1 <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:

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

This can be modified by fetching the last `N` entries.

```
1 <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 request, 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 requested.

```
1  {
2    "Timestamp" => 1467915558,
3    "Data" => [ ... ]
4  }
```

Each item is a JSON object with two keys: `recorded` is a Unix time stamp (e.g., seconds since Jan 1st, 1970) of when this data was generated and `datacenter` with another JSON object as a value.

```
1  "Data" => [
2    {
3      "recorded"    => 1467915558,
4      "datacenter" => {...}
5    },
6    ...
7  ]
```

The keys of the `datacenter` JSON object are the names of each of our [POPs](#) around the world plus a special key, called `aggregated`, which aggregates all the POPs together.

```
1  {
2    "Data": [
3      {
4        "datacenter": {
5          "AMS" => { ... },
6          "SIN" => { ... },
7          "SJC" => { ... },
8          ...
9        },
10       "aggregated": {  },
11       "recorded": 1478140705
12     }
13   ],
14   "Timestamp": 1478140713
15 }
```

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 F

```
1  "SJC" => {
2    "requests"      => 45,
3    "resp_header_bytes" => 22018,
4    "resp_body_bytes"  => 134564,
5    "hits"           => 200,
6    "miss"            => 48,
7    "synth"           => 4,
8    "errors"           => 5,
9    "hits_time"        => 200,
10   "miss_time"         => 1800,
11   "miss_histogram"    => {
12     "80"  => 33,
13     "90"  => 1,
14     "110" => 1,
15     "170" => 1,
16     "250" => 1,
17     "300" => 2,
18     "400" => 1,
19     "650" => 2,
20     "750" => 1,
21     "1000" => 1,
22     "1100" => 1
23   }
24 }
```

The keys are the same as those mentioned on the [Historical Stats](#) page, but they show some statistics that have occurred since the last request.

- 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 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 for customers to hit that rate limit.

## Remote Logging

### S3

Fastly will upload log messages to the S3 bucket in the format specified in the S3 object.

#### Fields

field	type	description
access_key	string	Your S3 account access key.
acl	string	The access control list (ACL) specific request header. See the AWS documentation <a href="#">(ACL) Specific Request Headers</a> for more information.
bucket_name	string	The bucket name for S3 account.
created_at	string	Time-stamp (GMT) when the endpoint was created.
deleted_at	string	Time-stamp (GMT) when the endpoint was deleted.
domain	string	The domain of the Amazon S3 endpoint.
format	string	Apache style log formatting.
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be version 2 log format) or 1 (the version 1 log format). The logging call gets placed by <code>format_version</code> is set to <code>2</code> and in <code>vcl_deliver</code> if <code>format_version</code> is set to <code>1</code> .
gzip_level	integer	What level of GZIP encoding to have when dumping logs (default 0, no compressio
message_type	string	How the message should be formatted One of:
classic	-	(default) RFC 3164 syslog prefix.
loggly	-	RFC 5424 structured syslog.
logplex	-	Heroku-style length prefixed syslog.
blank	-	No prefix. Useful for writing JSON and CSV.
name	string	The name of the s3 rule.
path	string	The path to upload logs to.
period	integer	How frequently log files are finalized so they can be available for reading (in second
placement	string	Where in the generated VCL the logging call should be placed, overriding any form: <code>none</code> or <code>waf_debug</code> . This field is not required and has no default value.
redundancy	string	The S3 redundancy level.
response_condition	string	When to execute the s3. If empty, always execute.

field	type	description
secret_key	string	Your S3 account secret key.
server_side_encryption_kms_key_id	string	Optional server-side KMS Key Id. Must be set if server_side_encryption is set to av
server_side_encryption	-	String Set this to AES256 or aws:kms to enable S3 Server Side Encryption.
service_id	string	The alphanumeric string identifying a service.
timestamp_format	string	strftime specified timestamp formatting (default "%Y-%m-%dT%H:%M:%S.000").
updated_at	string	Time-stamp (GMT) when the endpoint was deleted.
version	integer	The current version of a service.

## Actions

**GET** /service/ **service\_id** /version/ **version** /logging/s3

List all of the S3s for a particular service and version

Authentication

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

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/s3 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

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

[
  {
    "access_key": "AKIAIOSFODNN7EXAMPLE",
    "acl": "",
    "bucket_name": "my_bucket_name",
    "created_at": "2016-05-23T19:48:33+00:00",
    "deleted_at": null,
    "domain": "s3.amazonaws.com",
    "format": "%h %l %u %t \"%r\" %>s %b",
    "format_version": "2",
    "gzip_level": 0,
    "message_type": "classic",
    "name": "test-s3",
    "path": null,
    "period": "3600",
    "placement": null,
    "redundancy": null,
    "response_condition": "",
    "secret_key": "wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
    "updated_at": "2016-05-23T19:48:33+00:00",
    "version": "1"
  }
]
```

**GET** /service/ **service\_id** /version/ **version** /logging/s3/ **name**

Get the S3 for a particular service and version

Authentication

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

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/s3/test-s3 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example



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

```
{
  "access_key": "AKIAIOSFODNN7EXAMPLE",
  "acl": "",
  "bucket_name": "my_bucket_name",
  "created_at": "2016-05-23T19:48:33+00:00",
  "deleted_at": null,
  "domain": "s3.amazonaws.com",
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "test-s3",
  "path": null,
  "period": "3600",
  "placement": null,
  "redundancy": null,
  "response_condition": "",
  "secret_key": "wJalrXUtnFEMI/K7MDENG/bPxrFiCYEXAMPLEKEY",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-05-23T19:48:33+00:00",
  "version": "1"
}
```

**POST** /service/ **service\_id** /version/ **version** /logging/s3

Create a S3 for a particular service and version  
Authentication

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

Request Example

**POST** /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/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

```
{
  "access_key": "AKIAIOSFODNN7EXAMPLE",
  "acl": "",
  "bucket_name": "my_bucket_name",
  "created_at": "2016-05-23T19:48:33+00:00",
  "deleted_at": null,
  "domain": "s3.amazonaws.com",
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "test-s3",
  "path": null,
  "period": "3600",
  "placement": null,
  "redundancy": null,
  "response_condition": "",
  "secret_key": "wJalrXUtnFEMI/K7MDENG/bPxrFiCYEXAMPLEKEY",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-05-23T19:48:33+00:00",
  "version": "1"
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/s3/ **old\_name**

Update the S3 for a particular service and version  
Authentication

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

Parameters

parameter	type	description
old_name	string	Old name of the S3 object (used to select the correct S3 object if the name has been changed).

Request Example

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

name=updated-test-s3
```

▼ Response Example

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

{
  "access_key": "AKIAIOSFODNN7EXAMPLE",
  "acl": "",
  "bucket_name": "my_bucket_name",
  "created_at": "2016-05-23T19:48:33+00:00",
  "deleted_at": null,
  "domain": "s3.amazonaws.com",
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "updated-test-s3",
  "path": null,
  "period": "3600",
  "placement": null,
  "redundancy": null,
  "response_condition": "",
  "secret_key": "wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-05-23T19:48:33+00:00",
  "version": "1"
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/s3/ **name**

Delete the S3 for a particular service and version

Authentication

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

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/s3/test-s3 HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

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

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

**⚠ WARNING:** Our Amazon S3 Canary logging endpoint [will be deprecated](#) on October 31, 2019. It will not be supported beyond the deprecation period for existing users. It is no longer available to new customers. Our existing [Amazon S3 logging endpoint](#), with its associated [API](#), offers the same functionality as the deprecated logging endpoint, making the canary version unnecessary. Current users should migrate their logging endpoint to Amazon S3 logging.

## S3 Canary

Fastly will upload log messages to the S3 bucket in the format specified in the S3 Canary object.

**! IMPORTANT:** This feature is part of a limited availability release. For more information, see our [product and feature lifecycle](#) description

Fields

field	type	description
access_key	string	Your S3 account access key.
bucket_name	string	The bucket name for S3 account.
created_at	string	Time-stamp (GMT) when the endpoint was created.
deleted_at	string	Time-stamp (GMT) when the endpoint was deleted.
domain	string	The domain of the Amazon S3 endpoint.
format	string	Apache style log formatting.
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be version 2 log format) or 1 (the version 1 log format). The logging call gets placed by <code>format_version</code> is set to <code>2</code> and in <code>vcl_deliver</code> if <code>format_version</code> is set to <code>1</code> .
gzip_level	integer	What level of GZIP encoding to have when dumping logs (default 0, no compressio
message_type	string	How the message should be formatted One of:
classic	-	(default) RFC 3164 syslog prefix.
loggly	-	RFC 5424 structured syslog.
logplex	-	Heroku-style length prefixed syslog.
blank	-	No prefix. Useful for writing JSON and CSV.
name	string	The name of the s3 rule.
path	string	The path to upload logs to.
period	integer	How frequently log files are finalized so they can be available for reading (in second
placement	string	Where in the generated VCL the logging call should be placed, overriding any form: <code>none</code> or <code>waf_debug</code> . This field is not required and has no default value.
redundancy	string	The S3 redundancy level.
response_condition	string	When to execute the s3. If empty, always execute.
secret_key	string	Your S3 account secret key.
server_side_encryption_kms_key_id	string	Optional server-side KMS Key Id. Must be set if server_side_encryption is set to aw
server_side_encryption	string	Set this to AES256 or aws:kms to enable S3 Server Side Encryption.
service_id	string	The alphanumeric string identifying a service.
timestamp_format	string	strftime specified timestamp formatting (default "%Y-%m-%dT%H:%M:%S.000").
updated_at	string	Time-stamp (GMT) when the endpoint was deleted.
version	integer	The current version of a service.

Actions

**GET** /service/ **service\_id** /version/ **version** /logging/s3canary

List all of the S3s for a particular service and version

Authentication

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

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/s3canary 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": "2",
    "gzip_level": 0,
    "message_type": "classic",
    "name": "test-s3canary",
    "path": null,
    "period": "3600",
    "placement": null,
    "redundancy": null,
    "response_condition": "",
    "secret_key": "wJalrXUtnFEMI/K7MDENG/bPxrFiCYEXAMPLEKEY",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
    "updated_at": "2016-05-23T19:48:33+00:00",
    "version": "1"
  }
]
```

**GET** /service/ **service\_id** /version/ **version** /logging/s3canary/ **name**

Get the S3 Canary for a particular service and version

Authentication

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

Request Example

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

```
{
  "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": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "test-s3canary",
  "path": null,
  "period": "3600",
  "placement": null,
  "redundancy": null,
  "response_condition": "",
  "secret_key": "wJalrXUtnFEMI/K7MDENG/bPxrFiCYEXAMPLEKEY",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-05-23T19:48:33+00:00",
  "version": "1"
}
```

**POST** /service/ **service\_id** /version/ **version** /logging/s3canary

Create a S3 Canary for a particular service and version  
Authentication

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

Request Example

```
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/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/bPxrFiCYE>
```

▼ 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": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "test-s3canary",
  "path": null,
  "period": "3600",
  "placement": null,
  "redundancy": null,
  "response_condition": "",
  "secret_key": "wJalrXUtnFEMI/K7MDENG/bPxrFiCYEXAMPLEKEY",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-05-23T19:48:33+00:00",
  "version": "1"
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/s3canary/ **old\_name**

Update the S3 Canary for a particular service and version  
Authentication

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

Parameters

parameter	type	description
-----------	------	-------------

parameter	type	description
old_name	string	Old name of the S3 object (used to select the correct S3 object if the name has been changed).

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

```
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": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "updated-test-s3canary",
  "path": null,
  "period": "3600",
  "placement": null,
  "redundancy": null,
  "response_condition": "",
  "secret_key": "wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-05-23T19:48:33+00:00",
  "version": "1"
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/s3canary/ **name**

Delete the S3 Canary for a particular service and version  
Authentication

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

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/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"
}
```

## Microsoft Azure Blob Storage

Fastly will upload log messages to the Azure Blob Storage container in the format specified in the Azure Blob object.

### Fields

field	type	description
name	string	The name of the Azure Blob Storage logging endpoint. Required.
path	string	The path to upload logs to.

field	type	description
service_id	string	The alphanumeric string identifying a service.
version	integer	The current version of a service.
account_name	string	The unique Azure Blob Storage namespace in which your data objects are stored. Required.
container	string	The name of the Azure Blob Storage container in which to store logs. Required.
sas_token	string	The Azure shared access signature providing write access to the blob service objects. Be sure to update it before it expires or the logging functionality will not work. Required.
period	integer	How frequently log files are finalized so they can be available for reading (in seconds, default 3600).
timestamp_format	string	strftime specified timestamp formatting (default "%Y-%m-%dT%H:%M:%S.000").
gzip_level	integer	What level of GZIP encoding to have when dumping logs (default 0, no compression).
public_key	string	A PGP public key that Fastly will use to encrypt your log files before writing them to disk.
format	string	Apache style log formatting.
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2, or <code>vcl_deliver</code> if <code>format_version</code> is set to 1.
message_type	string	How the message should be formatted. One of:
classic	-	(default) RFC 3164 syslog prefix.
loggly	-	RFC 5424 structured syslog.
logplex	-	Heroku-style length prefixed syslog.
blank	-	No prefix. Useful for writing JSON and CSV.
placement	string	Where in the generated VCL the logging call should be placed, overriding any format_version default of <code>waf_debug</code> . This field is not required and has no default value.
response_condition	string	When to execute the Azure Blob Storage logging endpoint. If empty, always execute.
created_at	string	Time-stamp (GMT) when the endpoint was created.
updated_at	string	Time-stamp (GMT) when the endpoint was deleted.
deleted_at	string	Time-stamp (GMT) when the endpoint was deleted.

## Actions

**GET** /service/ **service\_id** /version/ **version** /logging/azureblob

List all of the Azure Blob Storage logging endpoints for a particular service and version.

Authentication

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

**Request Example**

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

▼ **Response Example**

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



```
[
  {
    "placement": null,
    "format_version": "2",
    "sas_token": "sv=2018-09-05&sr=b&sig=Z%2FRHIX5Xcg0Mq2rqI3OlWTjEg2tYkboXr1P9ZUXDtKk%3D&se=2018-09-30T02%3A23%3A26Z&sp=rw",
    "gzip_level": "0",
    "response_condition": "",
    "public_key": null,
    "updated_at": "2018-09-12T20:49:16Z",
    "message_type": "classic",
    "period": "3600",
    "name": "test-azure",
    "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "version": "1",
    "container": "test-container",
    "path": null,
    "deleted_at": null,
    "account_name": "test-account",
    "created_at": "2018-09-12T20:49:16Z",
    "format": "%h %l %u %t \"%r\" %>s %b"
  }
]
```

**GET** /service/ **service\_id** /version/ **version** /logging/azureblob/ **name**

Get the Azure Blob Storage logging endpoint for a particular service and version.

Authentication

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

Parameters

parameter	type	description
name	string	Name of the Azure rule.

Request Example

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

▼ Response Example

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

```
{
  "placement": null,
  "format_version": "2",
  "sas_token": "sv=2018-09-05&sr=b&sig=Z%2FRHIX5Xcg0Mq2rqI3OlWTjEg2tYkboXr1P9ZUXDtKk%3D&se=2018-09-30T02%3A23%3A26Z&sp=rw",
  "gzip_level": "0",
  "response_condition": "",
  "public_key": null,
  "updated_at": "2018-09-12T20:49:16Z",
  "message_type": "classic",
  "period": "3600",
  "name": "test-azure",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "container": "test-container",
  "path": null,
  "deleted_at": null,
  "account_name": "test-account",
  "created_at": "2018-09-12T20:49:16Z",
  "format": "%h %l %u %t \"%r\" %>s %b"
}
```

**POST** /service/ **service\_id** /version/ **version** /logging/azureblob

Create an Azure Blob Storage logging endpoint for a particular service and version.

Authentication

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

Request Example



**POST** /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/azureblob **HTTP/1.1**  
**Fastly-Key:** YOUR\_FASTLY\_TOKEN  
**Content-Type:** application/x-www-form-urlencoded  
**Accept:** application/json

name=test-azure&account\_name=test-account&container=test-container&sas\_token=sv=2018-09-05&sr=b&sig=Z%2FRHIX5Xcg0Mq2rqI3OlWTjEg2tYkboXr1P9ZUXDtTk%3D&se=2018-09-30T02%3A23%3A26Z&sp=rw

▼ Response Example

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

```
{
  "placement": null,
  "format_version": "2",
  "sas_token": "sv=2018-09-05&sr=b&sig=Z%2FRHIX5Xcg0Mq2rqI3OlWTjEg2tYkboXr1P9ZUXDtTk%3D&se=2018-09-30T02%3A23%3A26Z&sp=rw",
  "gzip_level": "0",
  "response_condition": "",
  "public_key": null,
  "updated_at": "2018-09-12T20:49:16Z",
  "message_type": "classic",
  "period": "3600",
  "name": "test-azure",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "container": "test-container",
  "path": null,
  "deleted_at": null,
  "account_name": "test-account",
  "created_at": "2018-09-12T20:49:16Z",
  "format": "%h %l %u %t \"%r\" %>s %b"
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/azureblob/ **name**

Update the Azure Blob Storage logging endpoint for a particular service and version.  
Authentication

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

Parameters

parameter	type	description
name	string	Name of the Azure rule.

Request Example

**PUT** /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/azureblob/test-azure **HTTP/1.1**  
**Fastly-Key:** YOUR\_FASTLY\_TOKEN  
**Content-Type:** application/x-www-form-urlencoded  
**Accept:** application/json

sas\_token=sv=2018-09-05&sr=b&sig=Z%2FRHIX5Xcg0Mq2rqI3OlWTjEg2tYkboXr1P9ZUXDtTk%3D&se=2019-09-05T02%3A23%3A26Z&sp=rw

▼ Response Example

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

```
{
  "placement": null,
  "format_version": "2",
  "sas_token": "sv=2018-09-05&sr=b&sig=Z%2FRHIX5Xcg0Mq2rqI3O1WTjEg2tYkboXr1P9ZUXDtkk%3D&se=2019-09-05T02%3A23%3A26Z&sp=rw",
  "gzip_level": "0",
  "response_condition": "",
  "public_key": null,
  "updated_at": "2018-09-13T01:52:17Z",
  "message_type": "classic",
  "period": "3600",
  "name": "test-azure",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "container": "test-container",
  "path": null,
  "deleted_at": null,
  "account_name": "test-account",
  "created_at": "2018-09-12T20:49:16Z",
  "format": "%h %l %u %t \"%r\" %>s %b"
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/azureblob/ **name**

Delete the Azure Blob Storage logging endpoint for a particular service and version.  
Authentication

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

Parameters

parameter	type	description
name	<i>string</i>	Name of the Azure rule.

Request Example

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

▼ Response Example

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

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

## Cloudfiles

Fastly will upload log messages to your Rackspace Cloud Files account.

**⚠ IMPORTANT:** This feature is part of a limited availability release. For more information, see our [product and feature lifecycle](#) description.

### Fields

field	type	description
access_key	<i>string</i>	Your Cloudfile account access key.
bucket_name	<i>string</i>	The name of your Cloudfiles container.
created_at	<i>string</i>	Time-stamp (GMT) when the endpoint was created.
deleted_at	<i>string</i>	Time-stamp (GMT) when the endpoint was deleted.
format	<i>string</i>	Apache style log formatting.

field	type	description
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to <code>2</code> and in <code>vcl_deliver</code> if <code>format_version</code> is set to <code>1</code> .
gzip_level	integer	What level of GZIP encoding to have when dumping logs (default 0, no compression).
message_type	string	How the message should be formatted One of:
classic	-	(default) RFC 3164 syslog prefix.
loggly	-	RFC 5424 structured syslog.
logplex	-	Heroku-style length prefixed syslog.
blank	-	No prefix. Useful for writing JSON and CSV.
name	string	The name of the Cloudfiles rule.
path	string	The path to upload logs to.
region	string	The region to stream logs to. One of:
DFW	-	Dallas
ORD	-	Chicago
IAD	-	Northern Virginia
LON	-	London
SYD	-	Sydney
HKG	-	Hong Kong
period	integer	How frequently log files are finalized so they can be available for reading (in seconds, default 3600).
placement	string	Where in the generated VCL the logging call should be placed, overriding any format_version default of <code>waf_debug</code> . This field is not required and has no default value.
response_condition	string	When to execute the cloudfiles. If empty, always execute.
service_id	string	The alphanumeric string identifying a service.
timestamp_format	string	The specified format of the log's timestamp.
updated_at	string	Time-stamp (GMT) when the endpoint was deleted.
user	string	The username for your Cloudfile account.
version	integer	The current version of a service.

## Actions

**GET** /service/ **service\_id** /version/ **version** /logging/cloudfiles

List all of the cloudfiles for a particular service and version

Authentication

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

[Request Example](#)

```
GET /service/SU1Z0isxPaozGVKXdv0eY/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
```

```
[
  {
    "gzip_level": "0",
    "service_id": "0v6YYHrN5udQxdHLxD84oZ",
    "bucket_name": "test-bucket",
    "user": "test-user",
    "public_key": null,
    "created_at": "2019-05-21T22:49:44Z",
    "name": "test-cloudfiles",
    "response_condition": "",
    "period": "3600",
    "message_type": "classic",
    "deleted_at": null,
    "region": null,
    "access_key": "AKIAIOSFODNN7EXAMPLE",
    "format": "%h %l %u %t \"%r\" %>s %b",
    "updated_at": "2019-05-21T22:49:44Z",
    "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
    "path": null,
    "version": "1",
    "placement": null,
    "format_version": "2"
  }
]
```

**GET** /service/ **service\_id** /version/ **version** /logging/cloudfiles/ **name**

Get the cloudfiles for a particular service and version  
Authentication

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

Request Example

```
GET /service/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
```

```
{
  "gzip_level": "0",
  "service_id": "0v6YYHrN5udQxdHLxD84oZ",
  "bucket_name": "test-bucket",
  "user": "test-user",
  "created_at": "2019-05-21T22:49:44Z",
  "public_key": null,
  "response_condition": "",
  "name": "test-cloudfiles",
  "period": "3600",
  "region": null,
  "deleted_at": null,
  "message_type": "classic",
  "access_key": "AKIAIOSFODNN7EXAMPLE",
  "updated_at": "2019-05-21T22:49:44Z",
  "format": "%h %l %u %t \"%r\" %>s %b",
  "version": "1",
  "path": null,
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "placement": null,
  "format_version": "2"
}
```

**POST** /service/ **service\_id** /version/ **version** /logging/cloudfiles

Create a cloudfiles for a particular service and version

Authentication

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

Request Example

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

name=test-cloudfiles \
    &user=test-user \
    &bucket_name=test-bucket \
    &access_key=AKIAIOSFODNN7EXAMPLE \
```

▼ Response Example

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

{
  "name": "test-cloudfiles",
  "user": "test-user",
  "access_key": "AKIAIOSFODNN7EXAMPLE",
  "bucket_name": "test-bucket",
  "service_id": "0v6YYHrN5udQxdHLxD84oZ",
  "version": "1",
  "format_version": "2",
  "path": null,
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "placement": null,
  "updated_at": "2019-05-21T22:49:44Z",
  "format": "%h %l %u %t \"%r\" %>s %b",
  "deleted_at": null,
  "region": null,
  "message_type": "classic",
  "response_condition": "",
  "period": 3600,
  "created_at": "2019-05-21T22:49:44Z",
  "public_key": null,
  "gzip_level": 0
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/cloudfiles/ **old\_name**

Update the cloudfiles for a particular service and version

Authentication

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

Request Example

```
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
```

```
{
  "placement": null,
  "version": "1",
  "path": null,
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "format_version": "2",
  "deleted_at": null,
  "region": null,
  "message_type": "classic",
  "updated_at": "2019-05-21T22:49:44Z",
  "format": "%h %l %u %t \"%r\" %>s %b",
  "access_key": "AKIAIOSFODNN7EXAMPLE",
  "created_at": "2019-05-21T22:49:44Z",
  "public_key": null,
  "user": "test-user",
  "period": "3600",
  "response_condition": "",
  "name": "updated-test-cloudfiles",
  "service_id": "0v6YYHrN5udQxdHLxD84oZ",
  "gzip_level": "0",
  "bucket_name": "test-bucket"
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/cloudfiles/ **name**

Delete the cloudfiles for a particular service and version  
Authentication

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

Request Example

```
DELETE /service/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

Fastly will upload log messages to the DigitalOcean Space in the format specified in the DigitalOcean Spaces object.

### Fields

field	type	description
name	string	The name of the DigitalOcean object.
service_id	string	The alphanumeric string identifying a service.
version	integer	The current version of a service.
bucket_name	string	The name of the DigitalOcean Space.
access_key	string	Your DigitalOcean Spaces account access key.
secret_key	string	Your DigitalOcean Spaces account secret key.
domain	string	The domain of the DigitalOcean Spaces endpoint (default "nyc3.digitaloceanspaces.com").
path	string	The path to upload logs to.
period	integer	How frequently log files are finalized so they can be available for reading (in seconds, default 3600).

field	type	description
timestamp_format	string	strftime specified timestamp formatting (default "%Y-%m-%dT%H:%M:%S.000").
gzip_level	integer	What level of GZIP encoding to have when dumping logs (default 0, no compression).
public_key	string	A PGP public key that Fastly will use to encrypt your log files before writing them to disk.
format	string	Apache style log formatting.
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2, or <code>vcl_deliver</code> if <code>format_version</code> is set to 1.
message_type	string	How the message should be formatted. One of:
classic	-	(default) RFC 3164 syslog prefix.
loggly	-	RFC 5424 structured syslog.
logplex	-	Heroku-style length prefixed syslog.
blank	-	No prefix. Useful for writing JSON and CSV.
placement	string	Where in the generated VCL the logging call should be placed, overriding any format_version default of <code>waf_debug</code> . This field is not required and has no default value.
response_condition	string	When to execute the DigitalOcean object. If empty, always execute.
created_at	string	Time-stamp (GMT) when the endpoint was created.
updated_at	string	Time-stamp (GMT) when the endpoint was updated.
deleted_at	string	Time-stamp (GMT) when the endpoint was deleted.

## Actions

**GET** /service/ **service\_id** /version/ **version** /logging/digitalocean

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

Authentication

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

### Request Example

```
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": "2",
    "gzip_level": 0,
    "message_type": "classic",
    "name": "test-digitalocean",
    "path": null,
    "period": "3600",
    "placement": null,
    "response_condition": "",
    "secret_key": "wJalrXUtnFEMI/K7MDENG/bPxrFiCYEXAMPLEKEY",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
    "updated_at": "2016-05-23T19:48:33+00:00",
    "version": "1"
  }
]
```

**GET** /service/ **service\_id** /version/ **version** /logging/digitalocean/ **name**

Get the DigitalOcean Space for a particular service and version

Authentication

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

Request Example

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

▼ Response Example

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

```
{
  "access_key": "AKIAIOSFODNN7EXAMPLE",
  "bucket_name": "my_space_name",
  "created_at": "2016-05-23T19:48:33+00:00",
  "deleted_at": null,
  "domain": "nyc3.digitaloceanspaces.com",
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "test-digitalocean",
  "path": null,
  "period": "3600",
  "placement": null,
  "response_condition": "",
  "secret_key": "wJalrXUtnFEMI/K7MDENG/bPxrFiCYEXAMPLEKEY",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-05-23T19:48:33+00:00",
  "version": "1"
}
```

**POST** /service/ **service\_id** /version/ **version** /logging/digitalocean

Create a DigitalOcean Space for a particular service and version

Authentication

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

Request Example

```
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/bPxRfi
```

▼ Response Example

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

```
{
  "access_key": "AKIAIOSFODNN7EXAMPLE",
  "bucket_name": "my_space_name",
  "created_at": "2016-05-23T19:48:33+00:00",
  "deleted_at": null,
  "domain": "nyc3.digitaloceanspaces.com",
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "test-digitalocean",
  "path": null,
  "period": "3600",
  "placement": null,
  "response_condition": "",
  "secret_key": "wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-05-23T19:48:33+00:00",
  "version": "1"
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/digitalocean/ **old\_name**

Update the DigitalOcean Space for a particular service and version  
Authentication

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

Parameters

parameter	type	description
old_name	string	Old name of the DigitalOcean Spaces object (used to select the correct DigitalOcean Spaces object if the name

Request Example

**PUT** /service/SU1Z0isxPaozGVKXdv0eY/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

**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": "nyc3.digitaloceanspaces.com",
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "updated-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"
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/digitalocean/ **name**

Delete the DigitalOcean Space for a particular service and version

Authentication

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

Request Example

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

▼ Response Example

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

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

## Elasticsearch

Fastly will upload log messages periodically to the server in the format specified in the Elasticsearch object.

**⚠ IMPORTANT:** This feature is part of a limited availability release. For more information, see our [product and feature lifecycle](#) description.

### Fields

field	type	description
name	string	The name of the Elasticsearch endpoint. Required.
service_id	string	The alphanumeric string identifying a service.
version	integer	The current version of a service.
index	string	The name of the Elasticsearch index to send documents (logs) to. Required.
url	string	The URL to stream logs to. Required.
request_max_entries	integer	Maximum number of logs to append to a batch, if non-zero. Defaults to <code>0</code> for unbounded.
request_max_bytes	integer	Maximum size of log batch, if non-zero. Defaults to <code>0</code> for unbounded.
user	string	BasicAuth User.
password	string	BasicAuth Pass.
tls_ca_cert	string	A secure certificate to authenticate the server with. Must be in PEM format.
tls_client_cert	string	The client certificate used to make authenticated requests. Must be in PEM format.
tls_client_key	string	The client private key used to make authenticated requests. Must be in PEM format.
tls_hostname	string	The hostname used to verify the server's certificate. It can either be the Common Name (CN) or a Subject Alternative Name (SAN).
format	string	Apache style log formatting. Your log must produce valid JSON that Elasticsearch can ingest.
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to <code>2</code> and <code>vcl_deliver</code> if <code>format_version</code> is set to <code>1</code> .

field	type	description
placement	string	Where in the generated VCL the logging call should be placed, overriding any format_version default of <code>waf_debug</code> . This field is not required and has no default value.
response_condition	string	When to execute the Elasticsearch logging endpoint. If empty, always execute.
created_at	string	Time-stamp (GMT) when the endpoint was created.
updated_at	string	Time-stamp (GMT) when the endpoint was deleted.
deleted_at	string	Time-stamp (GMT) when the endpoint was deleted.

## Actions

**GET** /service/ **service\_id** /version/ **version** /logging/elasticsearch

List all of the Elasticsearch logging endpoints for a particular service and version.

Authentication

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

### Request Example

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

### ▼ Response Example

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

```
[
  {
    "format_version": "2",
    "tls_hostname": null,
    "index": "test-index",
    "request_max_entries": 0,
    "response_condition": "",
    "deleted_at": null,
    "password": null,
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "version": "1",
    "name": "test-elasticsearch",
    "user": null,
    "updated_at": "2019-07-02T23:13:17Z",
    "request_max_bytes": 0,
    "tls_client_key": null,
    "created_at": "2019-07-02T23:13:17Z",
    "format": "{\n  \"timestamp\": \"%${begin:%Y-%m-%dT%H:%M:%S}t\",\n  \"time_elapsed\": ${time.elapsed.ussec}V,\n  \"is_tls\": ${if\n    \"false\"})V,\n  \"client_ip\": \"%{req.http.Fastly-Client-IP}V\",\n  \"geo_city\": \"%{client.geo.city}V\",\n  \"geo_country_code\": \"%{client.geo.country_code}V\",\n  \"request\": \"%{req.request}V\",\n  \"host\": \"%{req.http.Fastly-Orig-Host}V\",\n  \"url\": \"%{json.escape(req.url)}V\",\n  \"request_referer\": \"%{json.escape(req.http.Referer)}V\",\n  \"request_user_agent\": \"%{json.escape(req.http.User-Agent)}V\",\n  \"request_accept_language\": \"%{json.escape(req.http.Accept-Language)}V\",\n  \"request_accept_charset\": \"%{json.escape(req.http.Accept-Charset)}V\",\n  \"cache_status\": \"%{regsub(fastly_info.state, \"^(HIT-(SYNTH)| (HITPASS|HIT|MISSE|)\n\\\\\\\\2\\\\\\\\3\") }V\"\n}",
    "url": "https://www.example.com",
    "tls_client_cert": null,
    "placement": null,
    "tls_ca_cert": null
  }
]
```

**GET** /service/ **service\_id** /version/ **version** /logging/elasticsearch/ **name**

Get the Elasticsearch logging endpoint for a particular service and version.

Authentication

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

Parameters

parameter	type	description
name	string	Name of the Elasticsearch rule.

### Request Example

### ▼ Response Example

```
{
  "format_version": "2",
  "tls_hostname": null,
  "response_condition": "",
  "index": "test-index",
  "request_max_entries": 0,
  "deleted_at": null,
  "service_id": "SU1Z0isxPaozGVKXdV0eY",
  "password": null,
  "version": "1",
  "name": "test-elasticsearch",
  "user": null,
  "updated_at": "2019-07-02T23:13:17Z",
  "tls_client_key": null,
  "created_at": "2019-07-02T23:13:17Z",
  "request_max_bytes": 0,
  "format": "{\n  \"timestamp\": \"%${begin:Y-%m-%dT%H:%M:%S}t\", \n  \"time_elapsed\": ${time.elapsed.usec}V, \n  \"is_tls\": ${if(\nfalse\\\")}V, \n  \"client_ip\": \"%{req.http.Fastly-Client-IP}V\", \n  \"geo_city\": \"%{client.geo.city}V\", \n  \"geo_country_code\": \"%{client.geo.country_code}V\", \n  \"request\": \"%{req.request}V\", \n  \"host\": \"%{req.http.Fastly-Origin-Host}V\", \n  \"url\": \"%{json.escape(req.url)}V\", \n  \"request_referer\": \"%{json.escape(req.http.Referer)}V\", \n  \"request_user_agent\": \"%{json.escape(req.http.User-Agent)}V\", \n  \"request_accept_language\": \"%{json.escape(req.http.Accept-Language)}V\", \n  \"request_accept_charset\": \"%{json.escape(req.http.Accept-Charset)}V\", \n  \"cache_status\": \"%{regsub(fastly_info.state, \"^(HIT-(SYNTH)| (HITPASS|HIT|MISS))\"\\\\\\\\2\\\\\\\\3\\\\\\\\)}V\"\\n}\",
  "url": "https://www.example.com",
  "tls_client_cert": null,
  "tls_ca_cert": null,
  "placement": null
}
```

## Create a Elasticsearch logging endpoint for a particular service and version.

API token of a user with at least Engineer permissions.

```
name=test-elasticsearch&index=test-index&url=https://www.example.com
```

### ▼ Response Example

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```
{
  "name": "test-elasticsearch",
  "index": "test-index",
  "url": "https://www.example.com",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "request_max_entries": 0,
  "request_max_bytes": 0,
  "format": "{\n  \"timestamp\": \"${begin:%Y-%m-%dT%H:%M:%S}t\", \n  \"time_elapsed\": ${time.elapsed.usec}V, \n  \"is_tls\": ${if(\n    \"false\")}V, \n  \"client_ip\": \"${req.http.Fastly-Client-IP}V\", \n  \"geo_city\": \"${client.geo.city}V\", \n  \"geo_country_code\": \"${client.geo.country_code}V\", \n  \"request\": \"${req.request}V\", \n  \"host\": \"${req.http.Fastly-Orig-Host}V\", \n  \"url\": \"${json.escape(req.url)}V\", \n  \"request_referer\": \"${json.escape(req.http.Referer)}V\", \n  \"request_user_agent\": \"${json.escape(req.http.User-Agent)}V\", \n  \"request_accept_language\": \"${json.escape(req.http.Accept-Language)}V\", \n  \"request_accept_charset\": \"${json.escape(req.http.Accept-Charset)}V\", \n  \"cache_status\": \"${regsub(fastly_info.state, \"^(HIT-(SYNTH)|(HITPASS|HIT|MIS$)\n\\\\\\\\2\\\\\\\\3\") }V\" \n} \n\",
  \"tls_client_key\": null,
  \"created_at\": \"2019-07-02T23:13:17Z\",
  \"placement\": null,
  \"tls_ca_cert\": null,
  \"tls_client_cert\": null,
  \"tls_hostname\": null,
  \"format_version\": \"2\",
  \"updated_at\": \"2019-07-02T23:13:17Z\",
  \"user\": null,
  \"password\": null,
  \"deleted_at\": null,
  \"response_condition\": \"\"
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/elasticsearch/ **name**

Update the Elasticsearch logging endpoint for a particular service and version.

Authentication

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

Parameters

parameter	type	description
name	<i>string</i>	Name of the Elasticsearch rule.

Request Example

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

```
name=updated-test-elasticsearch
```

▼ Response Example

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

```
{
  "name": "updated-test-elasticsearch",
  "user": null,
  "updated_at": "2019-07-02T23:13:17Z",
  "version": "1",
  "deleted_at": null,
  "service_id": "SU1z0isxPaozGVKXdv0eY",
  "password": null,
  "response_condition": "",
  "index": "test-index",
  "request_max_entries": 0,
  "tls_hostname": null,
  "format_version": "2",
  "tls_ca_cert": null,
  "placement": null,
  "tls_client_cert": null,
  "url": "https://www.example.com",
  "format": "{\n  \"timestamp\": \"${begin:%Y-%m-%dT%H:%M:%S}t\",\n  \"time_elapsed\": ${time.elapsed.usec}V,\n  \"is_tls\": ${if(\n    \"false\")}V,\n  \"client_ip\": \"${req.http.Fastly-Client-IP}V\",\n  \"geo_city\": \"${client.geo.city}V\",\n  \"geo_country_code\": \"${client.geo.country_code}V\",\n  \"request\": \"${req.request}V\",\n  \"host\": \"${req.http.Fastly-Orig-Host}V\",\n  \"url\": \"${\n    json.escape(req.url)}V\",\n  \"request_referer\": \"${json.escape(req.http.Referer)}V\",\n  \"request_user_agent\": \"${json.escape(req.http.User-Agent)}V\",\n  \"request_accept_language\": \"${json.escape(req.http.Accept-Language)}V\",\n  \"request_accept_charset\": \"${\n    json.escape(req.http.Accept-Charset)}V\",\n  \"cache_status\": \"${regsub(fastly_info.state, \"^(HIT-(SYNTH)| (HITPASS|HIT|MISS|)\n    \\\\2\\\\\\\\3\") }V\"\n}"
  "tls_client_key": null,
  "created_at": "2019-07-02T23:13:17Z",
  "request_max_bytes": 0
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/elasticsearch/ **name**

Delete the Elasticsearch logging endpoint for a particular service and version.

Authentication

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

Parameters

parameter	type	description
name	<i>string</i>	Name of the Elasticsearch rule.

Request Example

```
DELETE /service/SU1z0isxPaozGVKXdv0eY/version/1/logging/elasticsearch/updated-test-elasticsearch HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

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

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

## FTP

Fastly will upload log messages periodically to the server in the format specified in the FTP object.

### Fields

field	type	description
address	<i>string</i>	An hostname or IPv4 address.
created_at	<i>string</i>	Time-stamp (GMT) when the endpoint was created.
deleted_at	<i>string</i>	Time-stamp (GMT) when the endpoint was deleted.
format	<i>string</i>	Apache style log formatting.

field	type	description
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2, or <code>vcl_deliver</code> if <code>format_version</code> is set to 1.
gzip_level	integer	What level of GZIP encoding to have when dumping logs (default 0, no compression).
hostname	string	Hostname used.
ipv4	string	IPv4 address of the host.
message_type	string	How the message should be formatted One of:
classic	-	(default) RFC 3164 syslog prefix.
loggly	-	RFC 5424 structured syslog.
logplex	-	Heroku-style length prefixed syslog.
blank	-	No prefix. Useful for writing JSON and CSV.
name	string	The name of the ftp endpoint.
password	string	The password for the server (for anonymous use an email address).
path	string	The path to upload log files to. If the path ends in / then it is treated as a directory.
period	integer	How frequently log files are finalized so they can be available for reading (in seconds, default 3600).
placement	string	Where in the generated VCL the logging call should be placed, overriding any format_version default of <code>waf_debug</code> . This field is not required and has no default value.
port	integer	The port number.
response_condition	string	When to execute the ftp. If empty, always execute.
service_id	string	The alphanumeric string identifying a service.
timestamp_format	string	strftime specified timestamp formatting (default "%Y-%m-%dT%H:%M:%S.000").
updated_at	string	Time-stamp (GMT) when the endpoint was updated.
user	string	The username for the server (can be anonymous).
version	integer	The current version of a service.

## Actions

**GET** /service/ **service\_id** /version/ **version** /logging/ftp

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

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

### Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/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": "2",
    "gzip_level": "0",
    "hostname": "example.com",
    "ipv4": "127.0.0.1",
    "message_type": "classic",
    "name": "test-ftp",
    "password": "ftp@example.com",
    "path": "/",
    "period": "3600",
    "placement": null,
    "port": "514",
    "response_condition": "",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
    "updated_at": "2016-05-17T18:27:29+00:00",
    "user": "anonymous",
    "version": "1"
  }
]
```

**GET** /service/ **service\_id** /version/ **version** /logging/ftp/ **name**

Get the FTP for a particular service and version  
Authentication

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

Request Example

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

▼ Response Example

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

```
{
  "address": "example.com",
  "created_at": "2016-05-17T18:27:29+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "gzip_level": 0,
  "hostname": "example.com",
  "ipv4": "127.0.0.1",
  "message_type": "classic",
  "name": "test-ftp",
  "password": "ftp@example.com",
  "path": "/",
  "period": "3600",
  "placement": null,
  "port": "514",
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-05-17T18:27:29+00:00",
  "user": "anonymous",
  "version": "1"
}
```

**POST** /service/ **service\_id** /version/ **version** /logging/ftp

Create a FTP for a particular service and version  
Authentication

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

Request Example



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

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

▼ Response Example

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

{
  "address": "example.com",
  "created_at": "2016-05-17T18:27:29+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "gzip_level": 0,
  "hostname": "example.com",
  "ipv4": "127.0.0.1",
  "message_type": "classic",
  "name": "test-ftp",
  "password": "ftp@example.com",
  "path": "/",
  "period": "3600",
  "placement": null,
  "port": "514",
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-05-17T18:27:29+00:00",
  "user": "anonymous",
  "version": "1"
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/ftp/ **old\_name**

Update the FTP for a particular service and version  
Authentication

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

Parameters

parameter	type	description
old_name	string	Old name of the FTP object (used to select the correct FTP object if the name has been changed).

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

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

```
{
  "address": "example.com",
  "created_at": "2016-05-17T18:27:29+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "gzip_level": 0,
  "hostname": "example.com",
  "ipv4": "127.0.0.1",
  "message_type": "classic",
  "name": "updated-test-ftp",
  "password": "ftp@example.com",
  "path": "/",
  "period": "3600",
  "placement": null,
  "port": "514",
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-05-17T18:27:29+00:00",
  "user": "anonymous",
  "version": "1"
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/ftp/ **name**

Delete the FTP for a particular service and version  
Authentication

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

Request Example

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

▼ Response Example

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

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

## Google BigQuery Logging

Fastly will upload log messages to the Google BigQuery dataset and table in the format specified in the BigQuery logging object.

### Fields

field	type	description
name	string	The name of the BigQuery logging object. Used as a primary key for API access.
service_id	string	The alphanumeric string identifying a service.
version	integer	The current version of a service.
format	string	Apache style log formatting. Must produce JSON that matches the schema of your BigQuery table.
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2, or <code>vcl_deliver</code> if <code>format_version</code> is set to 1.
user	string	Your Google Cloud Platform service account email address. The <code>client_email</code> field in your service account JSON.
secret_key	string	Your Google Cloud Platform account secret key. The <code>private_key</code> field in your service account author

field	type	description
project_id	string	Your Google Cloud Platform project ID.
dataset	string	Your BigQuery dataset.
table	string	Your BigQuery table.
template_suffix	string	BigQuery table name suffix template. Optional.
placement	string	Where in the generated VCL the logging call should be placed, overriding any format_version default <code>waf_debug</code> . This field is not required and has no default value.
response_condition	string	When to execute the BigQuery logging rule. If empty, always execute.
created_at	string	Time-stamp (GMT) when the object was created.
updated_at	string	Time-stamp (GMT) when the object was updated.
deleted_at	string	Time-stamp (GMT) when the object was deleted.

## Actions

**GET** /service/ **service\_id** /version/ **version** /logging/bigquery

List all of the BigQuery logging objects for a particular service and version.

Authentication

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

Request Example

```
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
```

```
[
  {
    "placement": null,
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "name": "my_bigquery_logging",
    "format": "{\n  \"timestamp\": \"${begin:%Y-%m-%dT%H:%M:%S}t\", \n  \"time_elapsed\": ${time.elapsed.usec}V, \n  \"is_tls\": ${is_tls}\n  \"false\")}V, \n  \"client_ip\": \"${req.http.Fastly-Client-IP}V\", \n  \"geo_city\": \"${client.geo.city}V\", \n  \"geo_country_code\": \"${client.geo.country_code}V\", \n  \"request\": \"${req.request}V\", \n  \"host\": \"${req.http.Fastly-Orig-Host}V\", \n  \"url\": \"${json.escape(req.url)}V\", \n  \"request_referer\": \"${json.escape(req.http.Referer)}V\", \n  \"request_user_agent\": \"${json.escape(req.http.User-Agent)}V\", \n  \"request_accept_language\": \"${json.escape(req.http.Accept-Language)}V\", \n  \"request_accept_charset\": \"${json.escape(req.http.Accept-Charset)}V\", \n  \"cache_status\": \"${regsub(fastly_info.state, \"^(HIT-(SYNTH)| (HITPASS|HIT|MISSED))\\\\\\\\2\\\\\\\\3\\\\\\\\}\" )}V\"\\n\",
    "format_version": "2",
    "user": "fastly-bigquery-log@example-fastly-log.iam.gserviceaccount.com",
    "project_id": "example-fastly-log",
    "dataset": "fastly_log_test",
    "table": "fastly_logs",
    "template_suffix": null,
    "secret_key": "-----BEGIN PRIVATE KEY-----
\nMIIEEvgIBADANBgkqhkiG9w0BAQEFAASCBAKggwggSkAgEAAoIBAQC7bPG9yaIYd5AL\nnmvOaYvNozFJB/VWS53KWB11769kJvImgMks6r6Xrv8w6rjxWKjZeDrnXV1
FMGARw01IvQzgT4/BlndXU5RNxfah/8m7q/GIF6oNYWzfJwvv\nzodxDUqIRH2e2JWidNRjElHuogYHLhV4O/od5pAkfDwak/ihuuh/2VA3AuwB3nph\nndX2F0JBs1A4Q7W4v21x1EnJt+biXOrERklrm4ieEE\nnU3WkjR5c5gvG8xcWyYod87RNFELmIhCCytI1+t5C3Em/jPsQFtLzwHpbNhdW4oEm\nnn7d06n75AgMBAAECggEAWRh261
1JmxC6Mhz4cVGdq\nnT57Y6DLrWuA4A4UkJYm3gorZiSXWF5PQthAVb/bf8bxXY7nZYpEWhnc09SD5aAAQ\nnREp0vMx8aWQ709K2YUJg+zDUo7u2d3YmVH8HH5TD43c
w06FFW+fz/etrWiNyhrlTsbkMbSgU+GpFFBqlpCd0ni5d1Ym1rsaAaUpmkwdjgjL\nnoDs+M/L/HtqfEhyZNdw8JF7EJXVE1bI17/NL0rBInhyO28FcB56t/AG5nzXFI
ZItEpnzyzuV8DZo461wylhSvqQKBgQDhSsg2cHkTrtBW8x0A\nn3BwB/ygdKkxm1OIvfioT+JBneRufUPvVIM2aPZBBGKEedDAmIGn/8f9XAHhKjs8B\nnEsPRgE206s4
oJFuJrNy9mJt8gs7AnnoBa9u/J4naW\nneltfC8fUfsa7kdzblDhcRQ8FhwKBgQDU+N4kPzIdUuJDadd6TkBbjUNPEfZzU5+t\nnIike2VSRhApXAxviUntDsTROwJR2
s77ttcGQRdu16\nn+vT1iualicJe+/imbl+PiJtFwHEHECLU9QfgBVS6r21DALZA+w6nwCRIidlrObzO\nnCXqVOzN3fwKBgAsrOuu//bClHP0ChnCReO38aU+1/gWnI
G6hZ1EkFBDMPWzq62doKv+gPgpRkfmV0DenHuYnGrrHdG3p2IxYoCSuq/QupPA\nnPpU+xjDMhpQI30zUu4/rQq+/yD14+aoSKYB3xAtb0Zxg6dMU8QpZ/hmnAoGBAJ
eNNrYcTQ57R/WU/FImWm6OnJGNmsMO6Q2jJiT12RKKjg8\nnOxrYGz7vTfOIDoddyAiPhXPUSyyF/3uvCrIzUUsmeeUJ8xq9dVwQ5HS3pYuKVfDg\nnXYHbG4w9UJaF1
9tZXAAoGBAKpsdjSd3R+llaAv2HQ8\nnGm1n92UTr5i9w++QMXq4qspH5NEYqz3NHbKuYthZqxEsRUZBRP50eDWU4jvxFVJ1\nnLBFINp6B+3AsIme0YCYOaleB/Cy034
G+xlevS/76f\nnKT0KS+ySjCAEWgg4v+mjUDUV\nn-----END PRIVATE KEY-----\n",
    "created_at": "2016-05-17T20:23:15+00:00",
    "updated_at": "2016-05-17T20:23:15+00:00",
    "deleted_at": null,
    "response_condition": ""
  }
]
```

**GET** /service/ **service\_id** /version/ **version** /logging/bigquery/ **name**

Get the details for a BigQuery logging object for a particular service and version.  
Authentication

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

Parameters

parameter	type	description
name	string	Name of the BigQuery logging object.

Request Example

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

▼ Response Example

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

```
{
  "placement": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "name": "my_bigquery_logging",
  "format": "{\n  \"timestamp\": \"{%begin:%Y-%m-%dT%H:%M:%S}t\", \n  \"time_elapsed\": {%time.elapsed.usec}V, \n  \"is_tls\": {%if(
\nfalse\")}V, \n  \"client_ip\": \"{%req.http.Fastly-Client-IP}V\", \n  \"geo_city\": \"{%client.geo.city}V\", \n  \"geo_country_cc
{client.geo.country_code}V\", \n  \"request\": \"{%req.request}V\", \n  \"host\": \"{%req.http.Fastly-Orig-Host}V\", \n  \"url\": \"'
{json.escape(req.url)}V\", \n  \"request_referer\": \"{%json.escape(req.http.Referer)}V\", \n  \"request_user_agent\": \"{%json.es
Agent)}V\", \n  \"request_accept_language\": \"{%json.escape(req.http.Accept-Language)}V\", \n  \"request_accept_charset\": \"%
{json.escape(req.http.Accept-Charset)}V\", \n  \"cache_status\": \"{%regsub(fastly_info.state, \"^(HIT-(SYNTH)| (HITPASS|HIT|MISSE
\\\"\\\\\\2\\\\\\3\\\") }V\"\\n}\"),
  "format_version": "2",
  "user": "fastly-bigquery-log@example-fastly-log.iam.gserviceaccount.com",
  "project_id": "example-fastly-log",
  "dataset": "fastly_log_test",
  "table": "fastly_logs",
  "template_suffix": null,
  "secret_key": "-----BEGIN PRIVATE KEY-----
\nmIIEvgIBADANBgkqhkiG9w0BAQEFAASCBKgwggSkAgEAAoIBAQC7bPG9yaIYd5AL\nnmvOaYvNozFJB/VWS53KWB1l769kJvImgMks6r6Xrv8w6rjxWKjZeDrnXVf
FMGArw0lIvQzgT4/BlndXU5RNxfah/8m7q/GIF6oNYWzfJwvv\nzodxDUqIRH2e2JWidNRjElHuogYHLhV4O/od5pAkfDwak/ihuuh/2VA3AuwB3nph\ndX2F0JBs1
A4Q7W4v21xlEnJt+biXORERklrm4ieEE\nU3WkjR5c5gvG8xcWyYod87RNFELmIhCCytI1+t5C3Em/ jPsQFtLzwHpbNhdW4oEm\nnn7d06n75AgMBAAECggEAWRh26l
1JmxC6Mhz4cVGdq\nnT57Y6DLrWuA4A4UkJYm3gorZiSXWF5PQthAVb/bf8bxXY7nZYpEWWhnc09SD5aAAQ\nnREp0vMx8aWQ709K2YUJg+zDUo7u2d3YmVH8HH5TD43c
w06FFW+fz/etrWiNyhrlTsbkMbSgU+GpFFBq1pCd0ni5d1Ym1rsaAaUpmkwdjgjL\nnoDs+M/L/HtqfEhyZNdw8JF7EJXVE1bI17/NL0rBInhyO28FcB56t/AG5nzXf
ZItEpnyzuV8DZo46lwy1hSvqQKBgQDhSsg2cHkTrtBW8x0A\nn3BwB/ygdKkxm1OIvfioT+JBneRufUPvVIM2aPZBBGKEedDAmIGn/8f9XAHhKjs8B\nnEsPRgE206s4
oJFuJrNy9mJt8gs7AnnoBa9u/J4naW\nne1tfC8fUfsa7kdzblDhcRQ8FhwKBgQDU+N4kPzIdUuJDadd6TkBbjUNPEfZzU5+t\nnIike2VSRhApXAxviUnTDsTROwJRz
s77ttcGQRdu16\nn+vT1iualicJe+/imbl+PiJtFwHEHECLU9QfgBVS6r2lDALZA+w6nwCRIidlrObzO\nnCXqVOzN3fwKBgAsrOuu//bClHP0ChnCReO38aU+1/gWnI
G6hZlEkFBDMpWzq62doKv+gPgpRkfmV0DenHuYnGrrHdG3p2IxYoCSuq/QupPA\nnPpU+xjDMhpQI30zUu4/rQq+/yDl4+aoSKYB3xAtb0Zxg6dMU8QpZ/hmnAoGBA1
eNNrYcTQ57R/WU/FImWm6OnJGNmsMO6Q2jJiT12RKKjg8\nnOxrYGz7vTfOIDoddyAiPhXPUSyyF/3uvCrIzUUsmeeUJ8xq9dVwQ5HS3pYuKvfdG\nnXYHbG4w9UJaF1
9tZXAAoGBAKpsdjSd3R+llaAv2HQ8\nnGm1n92UTr5i9w++QMXq4qspH5NEYqz3NHbKuYthZqxEsRUZbRP50eDWU4jvxFVJ1\nnLBFINp6B+3AsIme0YCYoaleB/Cy034
G+x1evS/76f\nnKT0KS+ySjCAEWgg4v+mjUDUV\nn-----END PRIVATE KEY-----\n",
  "created_at": "2016-05-17T20:23:15+00:00",
  "updated_at": "2016-05-17T20:23:15+00:00",
  "deleted_at": null,
  "response_condition": ""
}
```

**POST** /service/ **service\_id** /version/ **version** /logging/bigquery

Create a BigQuery logging object for a particular service and version.

Authentication

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

Request Example

**POST** /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/bigquery **HTTP/1.1**  
**Fastly-Key:** YOUR\_FASTLY\_TOKEN  
**Content-Type:** application/x-www-form-urlencoded  
**Accept:** application/json

name=my\_bigquery\_logging&project\_id=example-fastly-log&dataset=fastly\_log\_test&table=fastly\_logs&user=fastly-bigquery-log@exan  
log.iam.gserviceaccount.com&secret\_key=-----BEGIN PRIVATE KEY-----  
\n mIIEvgIBADANBgkqhkiG9w0BAQEFAASCBKgwggSkAgEAAoIBAQC7bPG9yaIYd5AL\nnmvOaYvNozFJB/VWS53KWB1l769kJvImgMks6r6Xrv8w6rjxWKjZeDrnXVf  
FMGArw0lIvQzgT4/BlndXU5RNxfah/8m7q/GIF6oNYWzfJwvv\nzodxDUqIRH2e2JWidNRjElHuogYHLhV4O/od5pAkfDwak/ihuuh/2VA3AuwB3nph\ndX2F0JBs1  
A4Q7W4v21xlEnJt+biXORERklrm4ieEE\nU3WkjR5c5gvG8xcWyYod87RNFELmIhCCytI1+t5C3Em/ jPsQFtLzwHpbNhdW4oEm\nnn7d06n75AgMBAAECggEAWRh26l  
1JmxC6Mhz4cVGdq\nnT57Y6DLrWuA4A4UkJYm3gorZiSXWF5PQthAVb/bf8bxXY7nZYpEWWhnc09SD5aAAQ\nnREp0vMx8aWQ709K2YUJg+zDUo7u2d3YmVH8HH5TD43c  
w06FFW+fz/etrWiNyhrlTsbkMbSgU+GpFFBq1pCd0ni5d1Ym1rsaAaUpmkwdjgjL\nnoDs+M/L/HtqfEhyZNdw8JF7EJXVE1bI17/NL0rBInhyO28FcB56t/AG5nzXf  
ZItEpnyzuV8DZo46lwy1hSvqQKBgQDhSsg2cHkTrtBW8x0A\nn3BwB/ygdKkxm1OIvfioT+JBneRufUPvVIM2aPZBBGKEedDAmIGn/8f9XAHhKjs8B\nnEsPRgE206s4  
oJFuJrNy9mJt8gs7AnnoBa9u/J4naW\nne1tfC8fUfsa7kdzblDhcRQ8FhwKBgQDU+N4kPzIdUuJDadd6TkBbjUNPEfZzU5+t\nnIike2VSRhApXAxviUnTDsTROwJRz  
s77ttcGQRdu16\nn+vT1iualicJe+/imbl+PiJtFwHEHECLU9QfgBVS6r2lDALZA+w6nwCRIidlrObzO\nnCXqVOzN3fwKBgAsrOuu//bClHP0ChnCReO38aU+1/gWnI  
G6hZlEkFBDMpWzq62doKv+gPgpRkfmV0DenHuYnGrrHdG3p2IxYoCSuq/QupPA\nnPpU+xjDMhpQI30zUu4/rQq+/yDl4+aoSKYB3xAtb0Zxg6dMU8QpZ/hmnAoGBA1  
eNNrYcTQ57R/WU/FImWm6OnJGNmsMO6Q2jJiT12RKKjg8\nnOxrYGz7vTfOIDoddyAiPhXPUSyyF/3uvCrIzUUsmeeUJ8xq9dVwQ5HS3pYuKvfdG\nnXYHbG4w9UJaF1  
9tZXAAoGBAKpsdjSd3R+llaAv2HQ8\nnGm1n92UTr5i9w++QMXq4qspH5NEYqz3NHbKuYthZqxEsRUZbRP50eDWU4jvxFVJ1\nnLBFINp6B+3AsIme0YCYoaleB/Cy034  
G+x1evS/76f\nnKT0KS+ySjCAEWgg4v+mjUDUV\nn-----END PRIVATE KEY-----\n

▼ Response Example

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





```
{
  "placement": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "name": "my_new_bigquery_logging",
  "format": "{\n  \"timestamp\": \"%{begin:%Y-%m-%dT%H:%M:%S}t\", \n  \"time_elapsed\": \"%{time.elapsed.usec}V\", \n  \"is_tls\": \"%{if(
\nfalse\")}V\", \n  \"client_ip\": \"%{req.http.Fastly-Client-IP}V\", \n  \"geo_city\": \"%{client.geo.city}V\", \n  \"geo_country_code\": \"%{client.geo.country_code}V\", \n  \"request\": \"%{req.request}V\", \n  \"host\": \"%{req.http.Fastly-Origin-Host}V\", \n  \"url\": \"%{req.http.url}V\", \n  \"request_referer\": \"%{req.http.Referer}V\", \n  \"request_user_agent\": \"%{req.http.User-Agent}V\", \n  \"request_accept_language\": \"%{req.http.Accept-Language}V\", \n  \"request_accept_charset\": \"%{req.http.Accept-Charset}V\", \n  \"cache_status\": \"%{req.http.Cache-Control}V\" }V\\n\"",
  "format_version": "2",
  "user": "fastly-bigquery-log@example-fastly-log.iam.gserviceaccount.com",
  "project_id": "example-fastly-log",
  "dataset": "fastly_log_test",
  "table": "fastly_logs",
  "template_suffix": null,
  "secret_key": "-----BEGIN PRIVATE KEY-----
\nMIIEvgIBADANBgkqhkiG9w0BAQEFAASCBKgwggSkAgEAAoIBAQC7bPG9yaIYd5AL\nnmvOaYvNozFJB/VWS53KWB11769kJvImgmks6r6Xrv8w6rjxWKjZeDrnXVf
FMGArw01IvQzgT4/BlndXU5RNxfah/8m7q/GIF6oNYWzfJwvvnzodxDUqIRH2e2JWidNRjElHuogYHLhV4O/od5pAkfdwak/ihuuh/2VA3AuwB3nph\ndX2F0JBs1
A4Q7W4v21xlEnJt+biXORERklrm4ieEE\nu3WkjR5c5gvG8xcWyYod87RNFELmIhCCytI1+t5C3Em/jPsQFtLzwHpbNhdW4oEm\nnn7d06n75AgMBAAECggEAWRh26J
1JmxC6Mhz4cVGdq\nnT57Y6DLrWuA4A4UkJYm3gorZiSXWF5PQthAVb/bf8bxXY7nZYpEWWhnc09SD5aAAQ\nnREp0vMx8aWQ709K2YUJg+zDUo7u2d3YmVH8HH5TD43c
w06FFW+fz/etrWiNyhr1TsbkMbSgU+GpFFBq1pCd0ni5d1Ym1rsaAaUpmkwdjgjL\nnoDs+M/L/HtqfEhyZNdw8JF7EJXVE1bI17/NL0rBInhyO28FcB56t/AG5nzXf
ZItEpnyzuV8DZo461wylhSvqQKBgQDhSsg2cHkTrtBW8x0A\nn3BwB/ygdKkxm1OIvfioT+JBneRufUPvVIM2aPZBBGKEedAmIGn/8f9XAHhKjs8B\nnEsPRgE206s4
oJFuJrNy9mJt8gs7AnnoBa9u/J4naW\nneltfC8fUfsa7kdzblDhcRQ8FhwKBgQDU+N4kPzIdUuJDadd6TkBbjUNPEfZzU5+t\nnIike2VSRhApXAxviUnTDsTROwJRz
s77ttcGQRdu16\nn+vT1iualicJe+/iMbl+PiJtFwhEHECLU9QfgBVS6r2lDALZA+w6nwCRIidlrObzO\nnCXXqVOzN3fwKBgAsrOuu//bClHP0ChnCreO38aU+1/gWnI
G6hZ1EkFBDMpWzq62doKv+gPgpRkfmV0DenHuYnGrrHdG3p2IxYoCSuq/QupPA\nnPpU+xjDMhpQI30zUu4/rQq+/yDl4+aoSKYB3xAtb0Zxg6dMU8QpZ/hmnAoGBAJ
eNNrYctQ57R/WU/FImWm6OnJGNmsMO6Q2jJiTl2RKKjg8\nnOxryGz7vTfOIDoddyAiPhXPUSyyF/3uvCrIzUUsmeeUJ8xq9dVwQ5HS3pYuKVfDg\nnXYHbG4w9UJaF1
9tZXAAoGBAKpsdjSd3R+llaAv2HQ8\nnGm1n92Utr5i9w++QMxq4qspH5NEYqz3NHbKuYthZqxEsRUZbRP50eDWU4jvxFVJl\nnLBFINp6B+3AsIme0YCYOaleB/Cy034
G+x1evS/76f\nnKT0KS+ySjCAEWgg4v+mjUDUV\nn-----END PRIVATE KEY-----\n",
  "created_at": "2016-05-17T20:23:15+00:00",
  "updated_at": "2016-05-17T20:23:15+00:00",
  "deleted_at": null,
  "response_condition": ""
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/bigquery/ **name**

Delete a BigQuery logging object for a particular service and version.  
Authentication

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

Parameters

parameter	type	description
name	string	Name of the BigQuery logging object.

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 in the format specified in the GCS object.

### Fields

field	type	description
bucket_name	string	The bucket of the GCS bucket.
created_at	string	Time-stamp (GMT) when the endpoint was created.

field	type	description
deleted_at	string	Time-stamp (GMT) when the endpoint was deleted.
format	string	Apache style log formatting (defaults to '%h %l %u %t "%r" %>s %b').
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to <code>2</code> and in <code>vcl_deliver</code> if <code>format_version</code> is set to <code>1</code> .
gzip_level	integer	What level of GZIP encoding to have when dumping logs (default 0, no compression).
message_type	string	How the message should be formatted One of:
classic	-	(default) RFC 3164 syslog prefix.
loggly	-	RFC 5424 structured syslog.
logplex	-	Heroku-style length prefixed syslog.
blank	-	No prefix. Useful for writing JSON and CSV.
name	string	The name of the GCS logging endpoint. Used as a primary key for API access.
path	string	The path to upload logs to (default "/").
period	integer	How frequently log files are finalized so they can be available for reading (in seconds, default 3600).
placement	string	Where in the generated VCL the logging call should be placed, overriding any format_version default of <code>waf_debug</code> . This field is not required and has no default value.
response_condition	string	When to execute the GCS logging rule. If empty, always execute.
secret_key	string	Your GCS account secret key. The private_key field in your service account authentication JSON.
service_id	string	The alphanumeric string identifying a service.
timestamp_format	string	strftime specified timestamp formatting (default "%Y-%m-%dT%H:%M:%S.000").
updated_at	string	Time-stamp (GMT) when the endpoint was updated.
user	string	Your GCS service account email address. The client_email field in your service account authentication JSON.
version	integer	The current version of a service.

## Actions

**GET** /service/ **service\_id** /version/ **version** /logging/gcs

List all of the GCSs for a particular service and version

Authentication

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

**Request Example**

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

▼ **Response Example**

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



```
[
  {
    "bucket_name": "my_log_bucket",
    "created_at": "2016-05-17T20:23:15+00:00",
    "deleted_at": null,
    "format": "%h %l %u %t \"%r\" %>s %b",
    "format_version": "2",
    "gzip_level": 0,
    "message_type": "classic",
    "name": "my_gcs_logging",
    "path": null,
    "period": "3600",
    "placement": null,
    "response_condition": "",
    "secret_key": "-----BEGIN PRIVATE KEY-----
\nMIIEvgIBADANBgkqhkiG9w0BAQEFAASCBAKggwggSkAgEAAoIBAQC7bPG9yaIYd5AL\nnmvOaYvNozFJB/VWS53KWB1l769kJvImgMks6r6Xrv8w6rjxWKjZeDrnXVf
FMGARw0lIvQzgT4/BlndXU5RNxfah/8m7q/GIF6oNYWzfJwvv\nzodxDUqIRH2e2JWidNRjElHuogYHLhV4O/od5pAkfDwak/ihuuh/2VA3Auwb3nph\ndX2F0JBs1
A4Q7W4v21x1EnJt+bixOrERklrm4ieEE\nU3WkjR5c5gvG8xcWyYod87RNFELmIhCCytI1+t5C3Em/jPsQFtLzwHpbNhdW4oEm\nnn7d06n75AgMBAAECggEAWRh26l
lJmxC6Mhz4cVGdq\nT57Y6DLrWuA4A4UkJYm3gorZiSXWF5PQthAVb/bf8bxXY7nZYpEWhnc09SD5aAAQ\nnREp0vMx8aWQ709K2YUJg+zDUo7u2d3YmVH8HH5TD43c
w06FFW+fz/etrWiNyhrlTsbkMbSgU+GpFFBq1pCd0ni5d1Ym1rsaAaUpmkwdjgjL\nnoDs+M/L/HtqfEhyZNdw8JF7EJXVE1bI17/NL0rBIInhyO28FcB56t/AG5nzXI
ZItEpnyzuV8DZo46lwy1hSvqQKBgQDhSsg2cHkTrtBW8x0A\nn3BwB/ygdkkxm1OIvfioT+JBneRufUPvVIM2aPZBBGKEedDAmIGn/8f9XAHhKjs8B\nnEsPRgE206s4
oJFuJrNy9mJt8gs7AnnoBa9u/J4naW\nneltfC8fUfsa7kdzblDhcRQ8FhwKBgQDU+N4kPzIdUuJDadd6TkBbjUNPEfZzU5+t\nnIike2VSRhApxAxviUnTDsTROwJRz
s77ttcGQRdul6\nn+vT1iualicJe+/iMbl+PiJtFwhEHECLU9QfgBVS6r2lDA1ZA+w6nwCRIidlrObzo\nnCXXqVOzN3fwKBgAsrOuu//bClHP0ChnCRE038aU+1/gWnI
G6hZlEkFBDMPWzq62doKv+gPgpRkfmV0DenHuYnGrrHdG3p2IxYoCSuq/QupPA\nnPpU+xjDMhpQI30zUU4/rQq+/yDl4+aoSKYB3xAtb0Zxg6dMU8QpZ/hmnAoGBA1
eNNrYCtQ57R/WU/FImWm6OnJGNmsMO6Q2jJiTl2RKKjg8\nnOxrYGz7vTfOIDoddyAiPhXPUSyyF/3uvCrIzUUsmeeUJ8xq9dVwQ5HS3pYukVfDg\nnXYHbG4w9UJaF1
9tZXAOGBAKpsdjSd3R+llaAv2HQ8\nnGm1N92UTr5i9w++QMXq4qspH5NEYqz3NHbKuYthZqxEsRUZbRP50eDWU4jvxFVJ1\nnLBFINp6B+3AsIme0YCyOaleB/Cy034
G+x1evS/76f\nnKT0KS+ySjCAEWgg4v+mjUDUV\nn-----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"
  }
]
```

**GET** /service/ **service\_id** /version/ **version** /logging/gcs/ **name**

Get the GCS Logging for a particular service and version  
Authentication

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

Request Example

```
GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/gcs/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": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "my_gcs_logging",
  "path": null,
  "period": "3600",
  "placement": null,
  "response_condition": "",
  "secret_key": "-----BEGIN PRIVATE KEY-----
\nMIIEvgIBADANBgkqhkiG9w0BAQEFAASCBAgEAAoIBAQC7bPG9yaIYd5AL\nnmvOaYvNozFJB/VWS53KWB11769kJvImgmKs6r6Xrv8w6rjxWKjZeDrnXVf
FMGARw01IvQzgT4/BlndXU5RNxfah/8m7q/GIF6oNYWzfJwvv\nzodxDUqIRH2e2JWidNRjElHuogYHLhV4O/od5pAkfDwak/ihuuh/2VA3Auwb3nph\ndX2F0JBs1
A4Q7W4v21x1EnJt+biXOrERklrm4ieEE\nU3WkjR5c5gvG8xcWyYod87RNFELmIhCCytI1+t5C3Em/ jPsQFtLzwHpbNhdW4oEm\nnn7d06n75AgMBAAECggEAWRh261
1JmxCMhz4cVGdq\nnT57Y6DLrWuA4A4UkJYm3gorZiSXWF5PQthAVb/bf8bxXY7nZYpEWhnc09SD5aAAq\nnREp0vMx8aWQ709K2YUJg+zDUo7u2d3YmVH8HH5TD43c
w06FFW+fz/etrWiNyhrlTsbkMbSgU+GpFFBq1pCd0ni5d1Ym1rsaAaUpmkwdjgjL\nnoDs+M/L/HtqfEhyZNdw8JF7EJXVE1bI17/NL0rBIInhyO28FcB56t/AG5nzXf
ZItEpnyzuV8DZo461wylhSvqQKBgQDhSsg2cHkTrtBW8x0A\nn3BwB/ygdkkxm1OIvfioT+JBneRufUPvVIM2aPZBBGKEedDAmIGn/8f9XAHhKjs8B\nnEsPRgE206s4
oJFuJrNy9mJt8gs7AnnoBa9u/J4naW\nneltfC8fUfsa7kdzblDhcRQ8FhwKBgQDU+N4kPzIdUuJDadd6TkBbjUNPEfZzU5+t\nnIike2VSRhApxAxviUnTDsTROwJRz
s77ttcGQRdul6\nn+vT1iualicJe+/iMbl+PiJtFwHEHECLU9QfgBVS6r2lDALZA+w6nwCRIidlrObzo\nnCXXqVOzN3fwKBgAsrOuu//bClHP0ChnCRE038aU+1/gWnI
G6hZlEkFBDMPWzq62doKv+gPgpRkfmV0DenHuYnGrrHdG3p2IxYoCSuq/QupPA\nnPpU+xjDMhpQI30zUU4/rQq+/yDl4+aoSKYB3xAtb0Zxg6dMU8QpZ/hmnAoGBAl
eNNrYCtQ57R/WU/FImWm6OnJGNmsMO6Q2jJiTl2RKKjg8\nnOxrYGz7vTfOIDOddyAiPhXPUSyyF/3uvCrIzUUsmeeUJ8xq9dVwQ5HS3pYuKVfDg\nnXYHbG4w9UJaF1
9tZXAOGBAKpsdjsd3R+llaAv2HQ8\nnGMLn92UTr5i9w++QMXq4qspH5NEYqz3NHbKuYthZqxEsRUZbRP50eDWU4jvxFVJl\nnLBFINp6B+3AsIme0YCyOaleB/Cy034
G+x1evS/76f\nnKT0KS+ySjCAEWgg4v+mjUDUV\nn-----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

Create GCS Logging for a particular service and version  
Authentication

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

Request Example

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

```
name=my_gcs_logging&bucket_name=my_log_bucket&access_key=1447182772-deadbeef479374nnphvhodh4nlp@developer.gserviceaccount.com&
PRIVATE KEY-----
\nMIIEvgIBADANBgkqhkiG9w0BAQEFAASCBAgEAAoIBAQC7bPG9yaIYd5AL\nnmvOaYvNozFJB/VWS53KWB11769kJvImgmKs6r6Xrv8w6rjxWKjZeDrnXVf
FMGARw01IvQzgT4/BlndXU5RNxfah/8m7q/GIF6oNYWzfJwvv\nzodxDUqIRH2e2JWidNRjElHuogYHLhV4O/od5pAkfDwak/ihuuh/2VA3Auwb3nph\ndX2F0JBs1
A4Q7W4v21x1EnJt+biXOrERklrm4ieEE\nU3WkjR5c5gvG8xcWyYod87RNFELmIhCCytI1+t5C3Em/ jPsQFtLzwHpbNhdW4oEm\nnn7d06n75AgMBAAECggEAWRh261
1JmxCMhz4cVGdq\nnT57Y6DLrWuA4A4UkJYm3gorZiSXWF5PQthAVb/bf8bxXY7nZYpEWhnc09SD5aAAq\nnREp0vMx8aWQ709K2YUJg+zDUo7u2d3YmVH8HH5TD43c
w06FFW+fz/etrWiNyhrlTsbkMbSgU+GpFFBq1pCd0ni5d1Ym1rsaAaUpmkwdjgjL\nnoDs+M/L/HtqfEhyZNdw8JF7EJXVE1bI17/NL0rBIInhyO28FcB56t/AG5nzXf
ZItEpnyzuV8DZo461wylhSvqQKBgQDhSsg2cHkTrtBW8x0A\nn3BwB/ygdkkxm1OIvfioT+JBneRufUPvVIM2aPZBBGKEedDAmIGn/8f9XAHhKjs8B\nnEsPRgE206s4
oJFuJrNy9mJt8gs7AnnoBa9u/J4naW\nneltfC8fUfsa7kdzblDhcRQ8FhwKBgQDU+N4kPzIdUuJDadd6TkBbjUNPEfZzU5+t\nnIike2VSRhApxAxviUnTDsTROwJRz
s77ttcGQRdul6\nn+vT1iualicJe+/iMbl+PiJtFwHEHECLU9QfgBVS6r2lDALZA+w6nwCRIidlrObzo\nnCXXqVOzN3fwKBgAsrOuu//bClHP0ChnCRE038aU+1/gWnI
G6hZlEkFBDMPWzq62doKv+gPgpRkfmV0DenHuYnGrrHdG3p2IxYoCSuq/QupPA\nnPpU+xjDMhpQI30zUU4/rQq+/yDl4+aoSKYB3xAtb0Zxg6dMU8QpZ/hmnAoGBAl
eNNrYCtQ57R/WU/FImWm6OnJGNmsMO6Q2jJiTl2RKKjg8\nnOxrYGz7vTfOIDOddyAiPhXPUSyyF/3uvCrIzUUsmeeUJ8xq9dVwQ5HS3pYuKVfDg\nnXYHbG4w9UJaF1
9tZXAOGBAKpsdjsd3R+llaAv2HQ8\nnGMLn92UTr5i9w++QMXq4qspH5NEYqz3NHbKuYthZqxEsRUZbRP50eDWU4jvxFVJl\nnLBFINp6B+3AsIme0YCyOaleB/Cy034
G+x1evS/76f\nnKT0KS+ySjCAEWgg4v+mjUDUV\nn-----END PRIVATE KEY-----\n
```

▼ 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": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "my_gcs_logging",
  "path": null,
  "period": "3600",
  "placement": null,
  "response_condition": "",
  "secret_key": "-----BEGIN PRIVATE KEY-----
\nMIIEvgIBADANBgkqhkiG9w0BAQEFAASCBAgEAAoIBAQC7bPG9yaIYd5AL\nnmvOaYvNozFJB/VWS53KWB11769kJvImgMks6r6Xrv8w6rjxWKjZeDrnXVf
FMGARw01IvQzgT4/BlndXU5RNxfah/8m7q/GIF6oNYWzfJwvv\nzodxDUqIRH2e2JWidNRjElHuogYHLhV4O/od5pAkfDwak/ihuuh/2VA3Auwb3nph\ndX2F0JBs1
A4Q7W4v21x1EnJt+biXOrERklrm4ieEE\nU3WkjR5c5gvG8xcWyYod87RNFELmIhCCytI1+t5C3Em/ jPsQFtLzwHpbNhdW4oEm\nnn7d06n75AgMBAAECggEAWRh261
lJmxC6Mhz4cVGdq\nT57Y6DLrWuA4A4UkJYm3gorZiSXWF5PQthAVb/bf8bxXY7nZYpEWhnc09SD5aAAQ\nnREp0vMx8aWQ709K2YUJg+zDUo7u2d3YmVH8HH5TD43c
w06FFW+fz/etrWiNyhrlTsbkMbSgU+GpFFBq1pCd0ni5d1Ym1rsaAaUpmkwdjgJL\nnoDs+M/L/HtqfEhyZNdw8JF7EJXVE1bI17/NL0rBIInhyO28FcB56t/AG5nzXFI
ZItEpnyzuV8DZo461wylhSvqQKBgQDhSsg2cHkTrtBW8x0A\nn3BwB/ygdkkxm1OIvfioT+JBneRufUPvVIM2aPZBBGKEedDAmIGn/8f9XAHhKjs8B\nnEsPRgE206s4
oJFuJrNy9mJt8gs7AnnoBa9u/J4naW\nneltfC8fufsa7kdzblDhcRQ8FhwKBgQDU+N4kPzIdUuJDadd6TkBbjUNPEfZzU5+t\nnIike2VSRhApxAxviUnTDsTROwJRz
s77ttcGQRdu16\nn+vT1iualicJe+/iMbl+PiJtFwhEHECLU9QfgBVS6r2lDA1ZA+w6nwCRIidlrObzO\nnCXdV0Zn3fWKBgAsrOuu//bClHP0ChnCRE038aU+1/gWnI
G6hZ1EkFBDMPWzq62doKv+gPgpRkfmV0DenHuYnGrrHdG3p2IxYoCSuq/QupPA\nnPpU+xjDMhpQI30zUu4/rQq+/yDl4+aoSKYB3xAtb0Zxg6dMU8QpZ/hmnAoGBAl
eNNrYcTQ57R/WU/FImWm6OnJGNmsMO6Q2jJiT12RKKjg8\nnOxrYGz7vTfOIDOddyAiPhXPUSyyF/3uvCrIzUUsmeeUJ8xq9dVwQ5HS3pYuKVfDg\nnXYHbG4w9UJaF1
9tZXAOGBAKpsdjsd3R+1laAv2HQ8\nnGm1N92UTr5i9w++QMXq4qspH5NEYqz3NHbKuYthZqxEsRUZbRP50eDWU4jvxFVJ1\nnLBFINp6B+3AsIme0YCyOaleB/Cy034
G+x1evS/76f\nnKT0KS+ySjCAEWgg4v+mjUDUV\nn-----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"
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/gcs/ **old\_name**

Update the GCS for a particular service and version

Authentication

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

Parameters

parameter	type	description
old_name	string	Old name of the GCS object (used to select the correct GCS object if the name has been changed).

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
```

```
{
  "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": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "my_new_gcs_name",
  "path": null,
  "period": "3600",
  "placement": null,
  "response_condition": "",
  "secret_key": "-----BEGIN PRIVATE KEY-----
\nMIIEvgIBADANBgkqhkiG9w0BAQEFAASCBKgwggSkAgEAAoIBAQC7bPG9yaIYd5AL\nnmvOaYvNozFJB/VWS53KWB11769kJvImgMks6r6Xrv8w6rjxWKjZeDrnXVf
FMGARw01IvQzgT4/BlndXU5RNxfah/8m7q/GIF6oNYWzfJwvv\nzodxDUqIRH2e2JWidNRjElHuogYHLhV4O/od5pAkfDwak/ihuuh/2VA3Auwb3nph\ndX2F0JBs1
A4Q7W4v21x1EnJt+biXOrERklrm4ieEE\nU3WkjR5c5gvG8xcWyYod87RNFELmIhCCytI1+t5C3Em/ jPsQFtLzwHpbNhdW4oEm\nnn7d06n75AgMBAAECggEAWRh261
lJmxC6Mhz4cVGdq\nT57Y6DLrWuA4A4UkJYm3gorZiSXWF5PQthAVb/bf8bxXY7nZYpEWhnc09SD5aAAq\nnREp0vMx8aWQ709K2YUJg+zDUo7u2d3YmVH8HH5TD43c
w06FFW+fz/etrWiNyhrlTsbkMbSgU+GpFFBq1pCd0ni5d1Ym1rsaAaUpmkwdjgJL\nnoDs+M/L/HtqfEhyZNdw8JF7EJXVE1bI17/NL0rBIInhyO28FcB56t/AG5nzXFI
ZItEpnyzuV8DZo461wylhSvqQKBgQDhSsg2cHkTrtBW8x0A\nn3BwB/ygdkkxm1OIvfioT+JBneRufUPvVIM2aPZBBGKEedDAmIGn/8f9XAHhKjs8B\nnEsPRgE206s4
oJFuJrNy9mJt8gs7AnnoBa9u/J4naW\nneltfC8fUfsa7kdzblDhcrQ8FhwKBgQDU+N4kPzIdUuJDadd6TkBbjUNPEfZzU5+t\nnIike2VSRhApxAxviUnTDsTROwJRz
s77ttcGQRdu16\nn+vT1iualicJe+/iMbl+PiJtFwHEHECLU9QfgBVS6r2lDAlZA+w6nwCRIidlrObzO\nnCXqV0zN3fwKBgAsrOuu//bClHP0ChnCRE038aU+1/gWnI
G6hZlEkFBDMPWzq62doKv+gPgpRkfmV0DenHuYnGrrHdG3p2IxYoCSuq/QupPA\nnPpU+xjDMhpQI30zUU4/rQq+/yDl4+aoSKYB3xAtb0Zxg6dMU8QpZ/hmnAoGBAl
eNNrYCtQ57R/WU/FImWm6OnJGNmsMO6Q2jJiTl2RKKjg8\nnOxrYGz7vTfOIDOddyAiPhXPUSyyF/3uvCrIzUUsmeeUJ8xq9dVwQ5HS3pYuKVfDg\nnXYHbG4w9UJaF1
9tZXAOGBAKpsdjSd3R+l1aAv2HQ8\nnGm1N92UTr5i9w++QMXq4qspH5NEYqz3NHbKuYthZqxEsRUZbRP50eDWU4jvxFVJ1\nnLBFINp6B+3AsIme0YCyoaleB/Cy034
G+x1levS/76f\nnKT0KS+ySjCAEWgg4v+mjUDUV\nn-----END PRIVATE KEY-----\n",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-05-18T20:49:16+00:00",
  "user": null,
  "version": "1"
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/gcs/ **name**

Delete the GCS Logging for a particular service and version  
Authentication

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

Request Example

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

▼ Response Example

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

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

## Honeycomb Logging

Fastly will upload log messages to Honeycomb.io in the format specified in the Honeycomb object.

### Fields

field	type	description
name	string	The name of the Honeycomb logging endpoint. Used as a primary key for API access.
service_id	string	The alphanumeric string identifying a service.
version	integer	The current version of a service.
format	string	Apache style log formatting. Your log must produce valid JSON that Honeycomb can ingest.

field	type	description
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to <code>2</code> and <code>vcl_deliver</code> if <code>format_version</code> is set to <code>1</code> .
placement	string	Where in the generated VCL the logging call should be placed, overriding any <code>format_version</code> default. Possible values are <code>waf_debug</code> . This field is not required and has no default value.
created_at	string	Time-stamp (GMT) when the endpoint was created.
updated_at	string	Time-stamp (GMT) when the endpoint was updated.
deleted_at	string	Time-stamp (GMT) when the endpoint was deleted.
response_condition	string	When to execute the <code>my_honeycomb_log</code> logging rule. If empty, always execute.
dataset	string	The Honeycomb Dataset you want to log to.
token	string	The Write Key from the Account page of your Honeycomb account.

## Actions

**GET** `/service/ service_id /version/ version /logging/honeycomb`

List all of the Honeycomb logging objects for a particular service and version.

Authentication

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

### Request Example

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

### Response Example

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

```
[
  {
    "placement": null,
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "version": "1",
    "name": "my_honeycomb_log",
    "format": "{\n  \"timestamp\": \"${begin:%Y-%m-%dT%H:%M:%S}t\",\n  \"time_elapsed\": ${time.elapsed.usec}V,\n  \"is_tls\": ${if !tls {\"false\"}}V,\n  \"client_ip\": \"${req.http.Fastly-Client-IP}V\",\n  \"geo_city\": \"${client.geo.city}V\",\n  \"geo_country_code\": \"${client.geo.country_code}V\",\n  \"request\": \"${req.request}V\",\n  \"host\": \"${req.http.Fastly-Orig-Host}V\",\n  \"url\": \"${json.escape(req.url)}V\",\n  \"request_referer\": \"${json.escape(req.http.Referer)}V\",\n  \"request_user_agent\": \"${json.escape(req.http.User-Agent)}V\",\n  \"request_accept_language\": \"${json.escape(req.http.Accept-Language)}V\",\n  \"request_accept_charset\": \"${json.escape(req.http.Accept-Charset)}V\",\n  \"cache_status\": \"${regsub(fastly_info.state, \"^(HIT-(SYNTH)| (HITPASS|HIT|MISSED))\\\\\\\\2\\\\\\\\\\\\3\" )}V\"\n}",
    "format_version": "2",
    "dataset": "fastly_honeycomb",
    "token": "6f5902ac237024bdd0c176cb93063dc4",
    "response_condition": "",
    "created_at": "2016-05-17T20:23:15+00:00",
    "updated_at": "2016-05-17T20:23:15+00:00",
    "deleted_at": null
  }
]
```

**GET** `/service/ service_id /version/ version /logging/honeycomb/ name`

Get the details of a Honeycomb logging object for a particular service and version.

Authentication

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

Parameters

parameter	type	description
-----------	------	-------------



parameter	type	description
name	string	Name of the Honeycomb rule.

Request Example

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

▼ Response Example

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

{
  "placement": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "name": "my_honeycomb_log",
  "format": "{\n  \"timestamp\": \"{%begin:%Y-%m-%dT%H:%M:%S}t\", \n  \"time_elapsed\": {%time.elapsed.usec}V, \n  \"is_tls\": {%if(
\nfalse\n)}V, \n  \"client_ip\": \"{%req.http.Fastly-Client-IP}V\", \n  \"geo_city\": \"{%client.geo.city}V\", \n  \"geo_country_cc\": \"{%client.geo.country_code}V\", \n  \"request\": \"{%req.request}V\", \n  \"host\": \"{%req.http.Fastly-Orig-Host}V\", \n  \"url\": \"{%json.escape(req.url)}V\", \n  \"request_referer\": \"{%json.escape(req.http.Referer)}V\", \n  \"request_user_agent\": \"{%json.escape(req.http.User-Agent)}V\", \n  \"request_accept_language\": \"{%json.escape(req.http.Accept-Language)}V\", \n  \"request_accept_charset\": \"{%json.escape(req.http.Accept-Charset)}V\", \n  \"cache_status\": \"{%regsub(fastly_info.state, \"^(HIT-(SYNTH)| (HITPASS|HIT|MISSE|MISS))\\\\\\\\2\\\\\\\\\\\\3\\\\\") }V\"\\n}\",
  "format_version": "2",
  "dataset": "fastly_honeycomb",
  "token": "6f5902ac237024bdd0c176cb93063dc4",
  "response_condition": "",
  "created_at": "2016-05-17T20:23:15+00:00",
  "updated_at": "2016-05-17T20:23:15+00:00",
  "deleted_at": null
}
```

**POST** /service/ **service\_id** /version/ **version** /logging/honeycomb

Create a Honeycomb logging object for a particular service and version.

Authentication

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

Request Example

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

name=my_honeycomb_log&dataset=fastly_honeycomb&token=6f5902ac237024bdd0c176cb93063dc4
```

▼ Response Example

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

{
  "placement": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "name": "my_honeycomb_log",
  "format": "{\n  \"timestamp\": \"{%begin:%Y-%m-%dT%H:%M:%S}t\", \n  \"time_elapsed\": {%time.elapsed.usec}V, \n  \"is_tls\": {%if(
\nfalse\n)}V, \n  \"client_ip\": \"{%req.http.Fastly-Client-IP}V\", \n  \"geo_city\": \"{%client.geo.city}V\", \n  \"geo_country_cc\": \"{%client.geo.country_code}V\", \n  \"request\": \"{%req.request}V\", \n  \"host\": \"{%req.http.Fastly-Orig-Host}V\", \n  \"url\": \"{%json.escape(req.url)}V\", \n  \"request_referer\": \"{%json.escape(req.http.Referer)}V\", \n  \"request_user_agent\": \"{%json.escape(req.http.User-Agent)}V\", \n  \"request_accept_language\": \"{%json.escape(req.http.Accept-Language)}V\", \n  \"request_accept_charset\": \"{%json.escape(req.http.Accept-Charset)}V\", \n  \"cache_status\": \"{%regsub(fastly_info.state, \"^(HIT-(SYNTH)| (HITPASS|HIT|MISSE|MISS))\\\\\\\\2\\\\\\\\\\\\3\\\\\") }V\"\\n}\",
  "format_version": "2",
  "dataset": "fastly_honeycomb",
  "token": "6f5902ac237024bdd0c176cb93063dc4",
  "response_condition": "",
  "created_at": "2016-05-17T20:23:15+00:00",
  "updated_at": "2016-05-17T20:23:15+00:00",
  "deleted_at": null
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/honeycomb/ **old\_name**

Update a Honeycomb logging object for a particular service and version.

Authentication

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

Parameters

parameter	type	description
old_name	string	Old name of the Honeycomb logging object (used to select the correct the Honeycomb logging object if the nar

Request Example

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

```
name=my_new_honeycomb_name
```

▼ Response Example

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

```
{
  "placement": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "name": "my_new_honeycomb_name",
  "format": "{\n  \"timestamp\": \"${begin:%Y-%m-%dT%H:%M:%S}t\",\n  \"time_elapsed\": ${time.elapsed.usec}V,\n  \"is_tls\": ${if(\n    \"false\")}V,\n  \"client_ip\": \"${req.http.Fastly-Client-IP}V\",\n  \"geo_city\": \"${client.geo.city}V\",\n  \"geo_country_cc\": \"${client.geo.country_code}V\",\n  \"request\": \"${req.request}V\",\n  \"host\": \"${req.http.Fastly-Orig-Host}V\",\n  \"url\": \"${json.escape(req.url)}V\",\n  \"request_referer\": \"${json.escape(req.http.Referer)}V\",\n  \"request_user_agent\": \"${json.escape(req.http.User-Agent)}V\",\n  \"request_accept_language\": \"${json.escape(req.http.Accept-Language)}V\",\n  \"request_accept_charset\": \"${json.escape(req.http.Accept-Charset)}V\",\n  \"cache_status\": \"${regsub(fastly_info.state, \"^(HIT-(SYNTH)| (HITPASS|HIT|MISSE|)\n\\\\\\\\2\\\\\\\\3\\\\\\\\) }V\\n}\",\n  \"format_version\": \"2\",\n  \"dataset\": \"fastly_honeycomb\",\n  \"token\": \"6f5902ac237024bdd0c176cb93063dc4\",\n  \"response_condition\": \"\",\n  \"created_at\": \"2016-05-17T20:23:15+00:00\",\n  \"updated_at\": \"2016-05-17T20:23:15+00:00\",\n  \"deleted_at\": null
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/honeycomb/ **name**

Delete the Honeycomb logging object for a particular service and version.

Authentication

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

Parameters

parameter	type	description
name	string	Name of the Honeycomb rule.

Request Example

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

▼ Response Example

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

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

Fastly will upload log messages periodically to the server in the format specified in the Kafka object.

!

**IMPORTANT:** This feature is part of a limited availability release. For more information, see our [product and feature lifecycle](#) description

Fields

field	type	description
name	string	The name of the Kafka endpoint. Required.
service_id	string	The alphanumeric string identifying a service.
version	integer	The current version of a service.
topic	string	The Kafka topic to send logs to. Required.
brokers	string	A comma-separated string of Kafka brokers. Required.
compression_codec	string	The codec used for compression of your logs. One of:
gzip	-	
snappy	-	
lz4	-	
required_acks	string	The Number of acknowledgements a leader must receive before a write is considered successful. O
1	-	(default) One server needs to respond.
0	-	No servers need to respond.
-1	-	Wait for all in-sync replicas to respond.
use_tls	string	Whether to use TLS for secure logging. Can be either <code>"0"</code> or <code>"1"</code> .
tls_ca_cert	string	A secure certificate to authenticate the server with. Must be in PEM format.
tls_client_cert	string	The client certificate used to make authenticated requests. Must be in PEM format.
tls_client_key	string	The client private key used to make authenticated requests. Must be in PEM format.
tls_hostname	string	The hostname used to verify the server's certificate. It can either be the Common Name or a Subjec
format	string	Apache style log formatting.
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the def or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_versio</code> <code>vcl_deliver</code> if <code>format_version</code> is set to <code>1</code> .
placement	string	Where in the generated VCL the logging call should be placed, overriding any format_version default <code>waf_debug</code> . This field is not required and has no default value.
response_condition	string	When to execute the Kafka logging endpoint. If empty, always execute.
created_at	string	Time-stamp (GMT) when the endpoint was created.
updated_at	string	Time-stamp (GMT) when the endpoint was deleted.
deleted_at	string	Time-stamp (GMT) when the endpoint was deleted.

Actions

**GET** /service/ **service\_id** /version/ **version** /logging/kafka



List all of the Kafka logging endpoints for a particular service and version.

Authentication

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

Request Example

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

▼ Response Example

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

[
  {
    "tls_ca_cert": null,
    "response_condition": "",
    "tls_client_key": null,
    "format": "%h %l %u %t \"%r\" %>s %b",
    "format_version": "2",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "name": "test-kafka",
    "compression_codec": null,
    "tls_hostname": null,
    "brokers": "localhost:1234",
    "topic": "test-topic",
    "created_at": "2019-04-25T20:09:45Z",
    "deleted_at": null,
    "use_tls": "0",
    "placement": null,
    "version": "1",
    "tls_client_cert": null,
    "required_acks": "1",
    "updated_at": "2019-04-25T20:09:45Z"
  }
]
```

**GET** /service/ **service\_id** /version/ **version** /logging/kafka/ **name**

Get the Kafka logging endpoint for a particular service and version.

Authentication

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

Parameters

parameter	type	description
name	string	Name of the Kafka rule.

Request Example

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

▼ Response Example

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

```
{
  "format_version": "2",
  "tls_client_key": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "tls_ca_cert": null,
  "response_condition": "",
  "tls_hostname": null,
  "compression_codec": null,
  "name": "test-kafka",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "topic": "test-topic",
  "created_at": "2019-04-25T20:17:00Z",
  "deleted_at": null,
  "brokers": "localhost:1234",
  "required_acks": "1",
  "updated_at": "2019-04-25T20:17:00Z",
  "tls_client_cert": null,
  "use_tls": "0",
  "placement": null,
  "version": "1"
}
```

**POST** /service/ **service\_id** /version/ **version** /logging/kafka

Create a Kafka logging endpoint for a particular service and version.  
Authentication

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

Request Example

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

```
name=test-kafka&topic=test-topic&brokers=localhost:1234
```

▼ Response Example

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

```
{
  "name": "test-kafka",
  "topic": "test-topic",
  "brokers": "localhost:1234",
  "required_acks": "1",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "tls_hostname": null,
  "compression_codec": null,
  "tls_client_key": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "response_condition": "",
  "tls_ca_cert": null,
  "format_version": 2,
  "tls_client_cert": null,
  "placement": null,
  "use_tls": "0",
  "updated_at": "2019-04-25T20:17:00Z",
  "created_at": "2019-04-25T20:17:00Z",
  "deleted_at": null
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/kafka/ **name**

Update the Kafka logging endpoint for a particular service and version.  
Authentication

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

Parameters

parameter	type	description
name	string	Name of the Kafka rule.

Request Example

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

name=updated-test-kafka
```

▼ Response Example

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

{
  "format_version": "2",
  "tls_ca_cert": null,
  "response_condition": "",
  "tls_client_key": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "compression_codec": null,
  "tls_hostname": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "name": "updated-test-kafka",
  "brokers": "localhost:1234",
  "topic": "test-topic",
  "created_at": "2019-04-25T20:17:00Z",
  "deleted_at": null,
  "required_acks": "1",
  "updated_at": "2019-04-25T20:17:00Z",
  "use_tls": "0",
  "placement": null,
  "version": "1",
  "tls_client_cert": null
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/kafka/ **name**

Delete the Kafka logging endpoint for a particular service and version.  
Authentication

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

Parameters

parameter	type	description
name	string	Name of the Kafka rule.

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/kafka/updated-test-kafka 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 in the format specified in the logshuttle object.

**⚠ IMPORTANT:** This feature is part of a limited availability release. For more information, see our [product and feature lifecycle](#) description.

### Fields

field	type	description
created_at	string	Time-stamp (GMT) when the endpoint was created.

field	type	description
deleted_at	string	Time-stamp (GMT) when the endpoint was deleted.
format	string	Apache style log formatting.
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to <code>2</code> and in <code>vcl_deliver</code> if <code>format_version</code> is set to <code>1</code> .
name	string	The name of the Log Shuttle rule.
placement	string	Where in the generated VCL the logging call should be placed, overriding any <code>format_version</code> default. Possible values are <code>waf_debug</code> and <code>default</code> . This field is not required and has no default value.
response_condition	string	When to execute the logshuttle. If empty, always execute.
service_id	string	The alphanumeric string identifying a service.
token	string	The data authentication token associated with this endpoint.
updated_at	string	Time-stamp (GMT) when the endpoint was updated.
url	string	Your Log Shuttle endpoint url.
version	integer	The current version of a service.

## Actions

**GET** /service/ **service\_id** /version/ **version** /logging/logshuttle

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

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

### Request Example

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

### ▼ Response Example

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

```
[
  {
    "created_at": "2016-06-02T22:31:06+00:00",
    "deleted_at": null,
    "format": "%h %l %u %t \"%r\" %>s %b",
    "format_version": "2",
    "name": "test-logshuttle",
    "placement": null,
    "response_condition": "",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "token": null,
    "updated_at": "2016-06-02T22:31:06+00:00",
    "url": "https://east.logplex.io/logs",
    "version": "1"
  }
]
```

**GET** /service/ **service\_id** /version/ **version** /logging/logshuttle/ **name**

Get the logshuttle for a particular service and version  
Authentication

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

### Request Example

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

▼ Response Example

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

```
{
  "created_at": "2016-06-02T22:31:06+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "name": "test-logshuttle",
  "placement": null,
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "token": null,
  "updated_at": "2016-06-02T22:31:06+00:00",
  "url": "https://east.logplex.io/logs",
  "version": "1"
}
```

**POST** /service/ **service\_id** /version/ **version** /logging/logshuttle

Create a logshuttle for a particular service and version  
Authentication

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

Request Example

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

```
name=test-logshuttle \
  &app_name=t.abc123 \
  &url=https%3A%2F%2Feast.logplex.io%2Flogs
```

▼ Response Example

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

```
{
  "created_at": "2016-06-02T22:31:06+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "name": "test-logshuttle",
  "placement": null,
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "token": null,
  "updated_at": "2016-06-02T22:31:06+00:00",
  "url": "https://east.logplex.io/logs",
  "version": "1"
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/logshuttle/ **old\_name**

Update the logshuttle for a particular service and version  
Authentication

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

Parameters

parameter	type	description
old_name	string	Old name of the logshuttle object (used to select the correct logshuttle object if the name has been changed).

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

{
  "created_at": "2016-06-02T22:31:06+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "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/ **service\_id** /version/ **version** /logging/logshuttle/ **name**

Delete the logshuttle for a particular service and version  
Authentication

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

Request Example

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

▼ Response Example

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

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

## Logentries

Fastly will stream log messages to the Logentries account in the format specified in the Logentries object.

### Fields

field	type	description
created_at	string	Time-stamp (GMT) when the endpoint was created.
deleted_at	string	Time-stamp (GMT) when the endpoint was deleted.
format	string	Apache style log formatting.
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2, or <code>vcl_deliver</code> if <code>format_version</code> is set to 1.
name	string	The name of the logentries rule.
placement	string	Where in the generated VCL the logging call should be placed, overriding any format_version default value. This field is not required and has no default value.

field	type	description
port	integer	The port number.
response_condition	string	When to execute the logentry. If empty, always execute.
service_id	string	The alphanumeric string identifying a service.
token	string	Use token based authentication (https://logentries.com/doc/input-token/).
updated_at	string	Time-stamp (GMT) when the endpoint was updated.
use_tls	string	Whether to use TLS for secure logging. Can be either <code>"0"</code> or <code>"1"</code> .
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](#) of a user with at least `Engineer` [permissions](#).

### Request Example

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

### ▼ Response Example

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

```
[  
  {  
    "created_at": "2016-05-18T18:23:29+00:00",  
    "deleted_at": null,  
    "format": "%h %l %u %t \"%r\" %>s %b",  
    "format_version": "2",  
    "name": "test-logentries",  
    "placement": null,  
    "port": "5140",  
    "response_condition": "",  
    "service_id": "SU1Z0isxPaozGVKXdv0eY",  
    "token": "790545ca-a792-4166-be69-970d1308512d",  
    "updated_at": "2016-05-18T18:23:29+00:00",  
    "use_tls": "0",  
    "version": "1"  
  }  
]
```

**GET** /service/ **service\_id** /version/ **version** /logging/logentries/ **name**

Get the Logentry for a particular service and version  
Authentication

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

### 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
```



```
{
  "created_at": "2016-05-18T18:23:29+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "name": "test-logentries",
  "placement": null,
  "port": "5140",
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "token": "790545ca-a792-4166-be69-970d1308512d",
  "updated_at": "2016-05-18T18:23:29+00:00",
  "use_tls": "0",
  "version": "1"
}
```

**POST** /service/ **service\_id** /version/ **version** /logging/logentries

Create a Logentry for a particular service and version  
Authentication

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

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
```

```
{
  "created_at": "2016-05-18T18:23:29+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "name": "test-logentries",
  "placement": null,
  "port": "5140",
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "token": "790545ca-a792-4166-be69-970d1308512d",
  "updated_at": "2016-05-18T18:23:29+00:00",
  "use_tls": "0",
  "version": "1"
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/logentries/ **old\_name**

Update the Logentry for a particular service and version  
Authentication

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

Parameters

parameter	type	description
old_name	string	Old name of the Logentry object (used to select the correct Logentry object if the name has been changed).

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

{
  "created_at": "2016-05-18T18:23:29+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "name": "updated-test-logentries",
  "placement": null,
  "port": "5140",
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "token": "790545ca-a792-4166-be69-970d1308512d",
  "updated_at": "2016-05-18T18:23:29+00:00",
  "use_tls": "0",
  "version": "1"
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/logentries/ **name**

Delete the Logentry for a particular service and version  
Authentication

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

Request Example

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

▼ Response Example

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

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

# Loggly

Fastly will stream log messages to the Loggly account in the format specified in the Loggly logging object.

## Fields

field	type	description
name	string	The name of the Loggly rule.
format	string	Apache style log formatting.
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2, or <code>vcl_deliver</code> if <code>format_version</code> is set to 1.
token	string	The token to use for authentication ( <a href="https://www.loggly.com/docs/customer-token-authentication-to-fastly">https://www.loggly.com/docs/customer-token-authentication-to-fastly</a> ).
response_condition	string	When to execute the loggly. If empty, always execute.
placement	string	Where in the generated VCL the logging call should be placed, overriding any format_version default. This field is not required and has no default value.

## Actions

**GET** /service/ **service\_id** /version/ **version** /logging/loggly

List all Loggly logging objects for a particular service and version.  
Authentication

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

Request Example

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

▼ Response Example

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

```
[
{
  "name": "test-loggly",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "response_condition": "",
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "token": "deadbeef",
  "placement": null
}
```

GET /service/ **service\_id** /version/ **version** /logging/loggly/ **name**

Get the Loggly logging object for a particular service and version.

Authentication

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

Parameters

parameter	type	description
name	string	Name of the Loggly logging object.

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
```

```
{
  "name": "test-loggly",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "response_condition": "",
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "token": "deadbeef",
  "placement": null
}
```

POST /service/ **service\_id** /version/ **version** /logging/loggly

Create a Loggly logging object for a particular service and version.

Authentication

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

Request Example

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

```
name=test-loggly&token=deadbeef
```

▼ Response Example

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

```
{
  "name": "test-loggly",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "response_condition": "",
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "token": "deadbeef",
  "placement": null
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/loggly/ **old\_name**

Update the Loggly logging object for a particular service and version.  
Authentication

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

Request Example

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

name=updated-loggly

▼ Response Example

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

```
{
  "name": "updated-loggly",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "response_condition": "",
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "token": "deadbeef",
  "placement": null
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/loggly/ **name**

Delete the Loggly logging object for a particular service and version.  
Authentication

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

Parameters

parameter	type	description
name	string	Name of the Loggly logging object.

Request Example

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

▼ Response Example

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

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

## Heroku

Fastly will stream log messages to the Heroku account in the format specified in the Heroku object.

**! IMPORTANT:** This feature is part of a limited availability release. For more information, see our [product and feature lifecycle](#) description

## Fields

field	type	description
name	string	The name of the heroku rule.
format	string	Apache style log formatting.
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2, or <code>vcl_deliver</code> if <code>format_version</code> is set to 1.
placement	string	Where in the generated VCL the logging call should be placed, overriding any format_version default value. Can be <code>waf_debug</code> . This field is not required and has no default value.
token	string	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> ).
url	string	The url to stream logs to.
response_condition	string	When to execute the heroku. If empty, always execute.

## Actions

**GET** /service/ **service\_id** /version/ **version** /logging/heroku/ **name**

Get the Heroku for a particular service and version  
Authentication

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

### Request Example

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

### Response Example

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

```
{
  "name": "test-heroku",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "response_condition": "",
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "placement": null,
  "token": "deadbeef",
  "url": "https://1.us.logplex.io/logs"
}
```

**GET** /service/ **service\_id** /version/ **version** /logging/heroku

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

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

### Request Example

```
GET /service/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": "2",
  "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](#) of a user with at least [Engineer](#) [permissions](#).

Request Example

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

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

▼ Response Example

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

```
{
  "name": "test-heroku",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "response_condition": "",
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "placement": null,
  "token": "deadbeef",
  "url": "https://1.us.logplex.io/logs"
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/heroku/ **old\_name**

Update the Heroku for a particular service and version  
Authentication

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

Request Example

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

```
name=updated-heroku
```

▼ Response Example

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

```
{
  "name": "updated-heroku",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "response_condition": "",
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "placement": null,
  "token": "deadbeef",
  "url": "https://1.us.logplex.io/logs"
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/heroku/ **name**

Delete the Heroku for a particular service and version  
Authentication

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

Request Example

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

▼ Response Example

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

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

## Openstack

Fastly will upload log messages to the OpenStack bucket in the format specified in the openstack object.

**⚠ IMPORTANT:** This feature is part of a limited availability release. For more information, see our [product and feature lifecycle](#) description.

### Fields

field	type	description
access_key	string	Your OpenStack account access key.
bucket_name	string	The name of your OpenStack container.
created_at	string	Time-stamp (GMT) when the endpoint was created.
deleted_at	string	Time-stamp (GMT) when the endpoint was deleted.
format	string	Apache style log formatting.
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2, or <code>vcl_deliver</code> if <code>format_version</code> is set to 1.
gzip_level	integer	What level of GZIP encoding to have when dumping logs (default 0, no compression).
message_type	string	How the message should be formatted One of:
classic	-	(default) RFC 3164 syslog prefix.
loggly	-	RFC 5424 structured syslog.
logplex	-	Heroku-style length prefixed syslog.

field	type	description
blank	-	No prefix. Useful for writing JSON and CSV.
name	string	The name of the OpenStack rule.
path	string	The path to upload logs to.
period	integer	How frequently log files are finalized so they can be available for reading (in seconds, default 3600).
placement	string	Where in the generated VCL the logging call should be placed, overriding any format_version default <code>waf_debug</code> . This field is not required and has no default value.
public_key	string	A PGP public key that Fastly will use to encrypt your log files before writing them to disk.
response_condition	string	When to execute the openstack. If empty, always execute.
service_id	string	The alphanumeric string identifying a service.
timestamp_format	string	strftime specified timestamp formatting (default "%Y-%m-%dT%H:%M:%S.000").
updated_at	string	Time-stamp (GMT) when the endpoint was updated.
url	string	Your OpenStack auth url.
user	string	The username for your OpenStack account.
version	integer	The current version of a service.

## Actions

**GET** /service/ **service\_id** /version/ **version** /logging/openstack

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

[API token](#) of a user with at least `Engineer_permissions`.

### Request Example

```
GET /service/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

[
  {
    "access_key": "AKIAIOSFODNN7EXAMPLE",
    "bucket_name": "my_corporate_bucket",
    "created_at": "2016-06-03T21:33:16+00:00",
    "deleted_at": null,
    "format": "%h %l %u %t \"%r\" %>s %b",
    "format_version": "2",
    "gzip_level": "0",
    "message_type": "classic",
    "name": "test-openstack",
    "path": "",
    "period": "3600",
    "placement": null,
    "public_key": null,
    "response_condition": "",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
    "updated_at": "2016-06-03T21:37:21+00:00",
    "url": "https://auth.storage.memset.com/v1.0",
    "user": "Openstack Username",
    "version": "1"
  }
]
```



**GET** /service/ **service\_id** /version/ **version** /logging/openstack/ **name**

Get the openstack for a particular service and version

Authentication

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

Request Example

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

▼ Response Example

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

```
{
  "access_key": "AKIAIOSFODNN7EXAMPLE",
  "bucket_name": "my_corporate_bucket",
  "created_at": "2016-06-03T21:33:16+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "gzip_level": "0",
  "message_type": "classic",
  "name": "test-openstack",
  "path": "",
  "period": "3600",
  "placement": null,
  "public_key": null,
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-06-03T21:37:21+00:00",
  "url": "https://auth.storage.memset.com/v1.0",
  "user": "Openstack Username",
  "version": "1"
}
```

**POST** /service/ **service\_id** /version/ **version** /logging/openstack

Create a openstack for a particular service and version

Authentication

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

Request Example

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

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

▼ Response Example

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



```
{
  "access_key": "AKIAIOSFODNN7EXAMPLE",
  "bucket_name": "my_corporate_bucket",
  "created_at": "2016-06-03T21:33:16+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "gzip_level": "0",
  "message_type": "classic",
  "name": "test-openstack",
  "path": "",
  "period": "3600",
  "placement": null,
  "public_key": null,
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-06-03T21:37:21+00:00",
  "url": "https://auth.storage.memset.com/v1.0",
  "user": "Openstack Username",
  "version": "1"
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/openstack/ **old\_name**

Update the openstack for a particular service and version  
Authentication

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

Parameters

parameter	type	description
old_name	string	Old name of the openstack object (used to select the correct openstack object if the name has been changed).

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

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

```
{
  "access_key": "AKIAIOSFODNN7EXAMPLE",
  "bucket_name": "my_corporate_bucket",
  "created_at": "2016-06-03T21:33:16+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "gzip_level": "0",
  "message_type": "classic",
  "name": "updated-test-openstack",
  "path": "",
  "period": "3600",
  "placement": null,
  "public_key": null,
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2016-06-03T21:37:21+00:00",
  "url": "https://auth.storage.memset.com/v1.0",
  "user": "Openstack Username",
  "version": "1"
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/openstack/ **name**

Delete the openstack for a particular service and version  
Authentication

[API token](#) of a user with at least `Engineer_permissions`.

Request Example

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

▼ Response Example

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

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

## Papertrail

Fastly will stream log messages to the Papertrail account in the format specified in the Papertrail object.

### Fields

field	type	description
address	string	An hostname or IPv4 address.
created_at	string	Time-stamp (GMT) when the endpoint was created.
deleted_at	string	Time-stamp (GMT) when the endpoint was deleted.
format	string	Apache style log formatting.
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2, or <code>vcl_deliver</code> if <code>format_version</code> is set to 1.
name	string	The name of the papertrail rule.
placement	string	Where in the generated VCL the logging call should be placed, overriding any format_version default value. This field is not required and has no default value.
port	integer	The port number.
response_condition	string	When to execute the papertrail. If empty, always execute.
service_id	string	The alphanumeric string identifying a service.
updated_at	string	Time-stamp (GMT) when the endpoint was updated.
version	integer	The current version of a service.

### Actions

**GET** /service/ **service\_id** /version/ **version** /logging/papertrail

List all of the Papertrails for a particular service and version

Authentication

[API token](#) of a user with at least `Engineer_permissions`.

Request Example

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

▼ Response Example

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

```
[
  {
    "address": "example.com",
    "created_at": "2016-05-18T18:51:50+00:00",
    "deleted_at": null,
    "format": "%h %l %u %t \"%r\" %>s %b",
    "format_version": "2",
    "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](#) of a user with at least [Engineer](#) permissions.

Request Example

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

▼ Response Example

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

```
{
  "address": "example.com",
  "created_at": "2016-05-18T18:51:50+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "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"
}
```

**POST** /service/ **service\_id** /version/ **version** /logging/papertrail

Create a Papertrail for a particular service and version

Authentication

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

Request Example

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

```
name=test-papertrail&address=example.com
```

▼ Response Example

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

```
{
  "address": "example.com",
  "created_at": "2016-05-18T18:51:50+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "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"
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/papertrail/ **old\_name**

Update the Papertrail for a particular service and version  
Authentication

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

Parameters

parameter	type	description
old_name	string	Old name of the Papertrail object (used to select the correct Papertrail object if the name has been changed).

Request Example

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

```
name=updated-test-papertrail
```

▼ Response Example

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

```
{
  "address": "example.com",
  "created_at": "2016-05-18T18:51:50+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "hostname": "example.com",
  "name": "updated-test-papertrail",
  "placement": null,
  "port": "5140",
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "updated_at": "2016-05-18T18:51:50+00:00",
  "version": "1"
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/papertrail/ **name**

Delete the Papertrail for a particular service and version  
Authentication

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

Request Example

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

▼ Response Example

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

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

## Scalyr

Fastly will stream log messages to the Scalyr account in the format specified in the Scalyr object.

### Fields

field	type	description
name	string	The name of the scalyr rule.
format	string	Apache style log formatting.
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to <code>2</code> and <code>vcl_deliver</code> if <code>format_version</code> is set to <code>1</code> .
token	string	The token to use for authentication ( <a href="https://www.scalyr.com/keys">https://www.scalyr.com/keys</a> ).
response_condition	string	When to execute the scalyr. If empty, always execute.
placement	string	Where in the generated VCL the logging call should be placed, overriding any format_version default value. This field is not required and has no default value.

### Actions

**GET** /service/ **service\_id** /version/ **version** /logging/scalyr/ **name**

Get the Scalyr for a particular service and version

Authentication

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

#### Request Example

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

#### ▼ Response Example

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

```
{
  "name": "test-scalyr",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "response_condition": "",
  "placement": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "token": "deadbeef"
}
```

**GET** /service/ **service\_id** /version/ **version** /logging/scalyr

List all of the Scalys for a particular service and version

Authentication

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

#### Request Example

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

#### ▼ Response Example

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

```
[
{
  "name": "test-scalyr",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "response_condition": "",
  "placement": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "token": "deadbeef"
}
```

**POST** /service/ **service\_id** /version/ **version** /logging/scalyr

Create a Scalyr for a particular service and version  
Authentication

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

Request Example

**POST** /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/scalyr **HTTP/1.1**  
**Fastly-Key:** YOUR\_FASTLY\_TOKEN  
**Content-Type:** application/x-www-form-urlencoded  
**Accept:** application/json

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": "SU1Z0isxPaozGVKXdv0eY",
  "version": "1",
  "response_condition": "",
  "placement": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "token": "deadbeef"
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/scalyr/ **old\_name**

Update the Scalyr for a particular service and version  
Authentication

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

Request Example

**PUT** /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/scalyr/test-scalyr **HTTP/1.1**  
**Fastly-Key:** YOUR\_FASTLY\_TOKEN  
**Content-Type:** application/x-www-form-urlencoded  
**Accept:** application/json

name=updated-scalyr

▼ Response Example

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

```
{
  "name": "updated-scalyr",
  "service_id": "SU1z0isxPaozGVKXdv0eY",
  "version": "1",
  "response_condition": "",
  "placement": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "token": "deadbeef"
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/scalyr/ **name**

Delete the Scalyr for a particular service and version

Authentication

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

Request Example

```
DELETE /service/SU1z0isxPaozGVKXdv0eY/version/1/logging/scalyr/test-scalyr HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/json
```

▼ Response Example

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

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

## SFTP

Fastly will upload log messages periodically to the server in the format specified in the SFTP object.

### Fields

field	type	description
address	string	The hostname or IPv4 address.
created_at	string	Time-stamp (GMT) when the endpoint was created.
deleted_at	string	Time-stamp (GMT) when the endpoint was deleted.
format	string	Apache style log formatting.
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2, or <code>vcl_deliver</code> if <code>format_version</code> is set to 1.
gzip_level	integer	What level of GZIP encoding to have when dumping logs (default 0, no compression).
message_type	string	How the message should be formatted. One of:
classic	-	(default) RFC 3164 syslog prefix.
loggly	-	RFC 5424 structured syslog.
logplex	-	Heroku-style length prefixed syslog.
blank	-	No prefix. Useful for writing JSON and CSV.
name	string	The name of the SFTP endpoint.



field	type	description
password	string	The password for the server. If both password and secret_key are passed, secret_key will be used in
path	string	The path to upload logs to. The directory must exist on the SFTP server before logs can be saved to
period	integer	How frequently log files are finalized so they can be available for reading (in seconds, default 3600).
placement	string	Where in the generated VCL the logging call should be placed, overriding any format_version default <code>waf_debug</code> . This field is not required and has no default value.
port	integer	The port number.
public_key	string	A PGP public key that Fastly will use to encrypt your log files before writing them to disk.
response_condition	string	When to execute the SFTP logging rule. If empty, always execute.
secret_key	string	The SSH private key for the server. If both password and secret_key are passed, secret_key will be u
service_id	string	The alphanumeric string identifying a service.
ssh_known_hosts	string	A list of host keys for all hosts we can connect to over SFTP.
timestamp_format	string	strftime specified timestamp formatting (default "%Y-%m-%dT%H:%M:%S.000").
updated_at	string	Time-stamp (GMT) when the endpoint was updated.
user	string	The username for the server.
version	integer	The current version of a service.

## Actions

**GET** /service/ **service\_id** /version/ **version** /logging/sftp

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

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

### Request Example

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

### ▼ Response Example

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



```
[
  {
    "address": "example.com",
    "created_at": "2019-02-25T23:39:09Z",
    "deleted_at": null,
    "format": "%h %l %u %t \"%r\" %>s %b",
    "format_version": "2",
    "gzip_level": 0,
    "message_type": "classic",
    "name": "test-sftp",
    "password": "REDACTED",
    "path": "/",
    "period": "3600",
    "placement": null,
    "port": "22",
    "public_key": null,
    "response_condition": "",
    "secret_key": "",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "ssh_known_hosts": "example.com ecdsa-sha2-nistp256 abc123XYX...",
    "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
    "updated_at": "2019-03-01T12:21:37Z",
    "user": "anonymous",
    "version": "1"
  }
]
```

**GET** /service/ **service\_id** /version/ **version** /logging/sftp/ **name**

Get the SFTP for a particular service and version

Authentication

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

Request Example

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

▼ Response Example

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

```
{
  "address": "example.com",
  "created_at": "2019-02-25T23:39:09Z",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "test-sftp",
  "password": "REDACTED",
  "path": "/",
  "period": "3600",
  "placement": null,
  "port": "22",
  "public_key": null,
  "response_condition": "",
  "secret_key": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "ssh_known_hosts": "example.com ecdsa-sha2-nistp256 abc123XYX...",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2019-03-01T12:21:37Z",
  "user": "anonymous",
  "version": "1"
}
```

**POST** /service/ **service\_id** /version/ **version** /logging/sftp

Create a SFTP for a particular service and version

Authentication

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

Request Example

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

name=test-sftp&address=example.com&port=22&user=anonymous&password=mysecretpassword&path=/&ssh_known_hosts=example.com%2520cds
nistp256%2520abc123XYX
```

▼ Response Example

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

{
  "address": "example.com",
  "created_at": "2019-03-05T18:05:15Z",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "test-sftp",
  "password": "REDACTED",
  "path": "/",
  "period": "3600",
  "placement": null,
  "port": "22",
  "public_key": null,
  "response_condition": "",
  "secret_key": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "ssh_known_hosts": "example.com%20cdsa-sha2-nistp256%20abc123XYX",
  "timestamp_format": "2019-03-05T18:05:15Z",
  "updated_at": "2016-05-17T18:27:29+00:00",
  "user": "anonymous",
  "version": "1"
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/sftp/ **old\_name**

Update the SFTP for a particular service and version  
Authentication

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

Parameters

parameter	type	description
old_name	<i>string</i>	Old name of the SFTP object (used to select the correct SFTP object if the name has been changed).

Request Example

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

name=updated-test-sftp
```

▼ Response Example

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

```
{
  "address": "example.com",
  "created_at": "2019-03-05T18:12:54Z",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "gzip_level": 0,
  "message_type": "classic",
  "name": "updated-test-sftp",
  "password": "REDACTED",
  "path": "/",
  "period": "3600",
  "placement": null,
  "port": "22",
  "public_key": null,
  "response_condition": "",
  "secret_key": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "ssh_known_hosts": "example.com%20cdsa-sha2-nistp256%20abc123XYX",
  "timestamp_format": "%Y-%m-%dT%H:%M:%S.000",
  "updated_at": "2019-03-05T18:12:54Z",
  "user": "anonymous",
  "version": "1"
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/sftp/ **name**

Delete the SFTP for a particular service and version

Authentication

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

**Request Example**

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

▼ **Response Example**

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

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

## Splunk

Fastly will POST messages to your Splunk account in the format specified in the Splunk object.

### Fields

field	type	description
name	string	The name of the Splunk logging rule.
service_id	string	The alphanumeric string identifying a service.
version	integer	The current version of a service.
url	string	The URL to POST to.
format	string	Apache style log formatting.
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2, or <code>vcl_deliver</code> if <code>format_version</code> is set to 1.
created_at	string	Time-stamp (GMT) when the endpoint was created.

field	type	description
updated_at	string	Time-stamp (GMT) when the endpoint was deleted.
deleted_at	string	Time-stamp (GMT) when the endpoint was deleted.
response_condition	string	When to execute the Splunk logging rule. If empty, always execute.
placement	string	Where in the generated VCL the logging call should be placed, overriding any format_version default <code>waf_debug</code> . This field is not required and has no default value.
token	string	A Splunk token for use in posting logs over HTTP to your collector.

## Actions

**GET** /service/ **service\_id** /version/ **version** /logging/splunk

List all of the Splunk logging objects for a particular service and version.

Authentication

[API token](#) of a user with at least `Engineer_permissions`.

### Request Example

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

### ▼ Response Example

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

```
[
  {
    "created_at": "2016-05-23T21:37:09+00:00",
    "deleted_at": null,
    "format": "%h %l %u %t \"%r\" %>s %b",
    "format_version": "2",
    "name": "test-splunk",
    "url": "https://mysplunkendpoint.example.com/services/collector/event",
    "response_condition": "",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "updated_at": "2016-05-23T21:37:09+00:00",
    "placement": null,
    "version": "1"
  }
]
```

**GET** /service/ **service\_id** /version/ **version** /logging/splunk/ **name**

Get the details for a Splunk logging object for a particular service and version.

Authentication

[API token](#) of a user with at least `Engineer_permissions`.

### Request Example

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

### ▼ Response Example

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

```
{
  "created_at": "2016-05-23T21:37:09+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "name": "test-splunk",
  "url": "https://mysplunkendpoint.example.com/services/collector/event",
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "updated_at": "2016-05-23T21:37:09+00:00",
  "placement": null,
  "version": "1"
}
```

**POST** /service/ **service\_id** /version/ **version** /logging/splunk

Create a Splunk logging object for a particular service and version.  
Authentication

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

Request Example

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

name=test-splunk

▼ Response Example

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

```
{
  "created_at": "2016-05-23T21:37:09+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "name": "test-splunk",
  "url": "https://mysplunkendpoint.example.com/services/collector/event",
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "updated_at": "2016-05-23T21:37:09+00:00",
  "placement": null,
  "version": "1"
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/splunk/ **old\_name**

Update the Splunk logging object for a particular service and version.  
Authentication

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

Parameters

parameter	type	description
old_name	string	Old name of the Splunk object (used to select the correct Splunk object if the name has been changed).

Request Example

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

name=updated-test-splunk

▼ Response Example

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

```
{
  "created_at": "2016-05-23T21:37:09+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "name": "updated-test-splunk",
  "url": "https://mysplunkendpoint.example.com/services/collector/event",
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "updated_at": "2016-05-23T21:37:09+00:00",
  "placement": null,
  "version": "1"
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/splunk/ **name**

Delete the Splunk logging object for a particular service and version  
Authentication

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

Request Example

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

▼ Response Example

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

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

## Sumologic

Fastly will POST messages to the Sumo Logic account in the format specified in the Sumologic object.

### Fields

field	type	description
created_at	string	Time-stamp (GMT) when the endpoint was created.
deleted_at	string	Time-stamp (GMT) when the endpoint was deleted.
format	string	Apache style log formatting.
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2, or <code>vcl_deliver</code> if <code>format_version</code> is set to 1.
message_type	string	How the message should be formatted One of:
classic	-	(default) RFC 3164 syslog prefix.
loggly	-	RFC 5424 structured syslog.
logplex	-	Heroku-style length prefixed syslog.
blank	-	No prefix. Useful for writing JSON and CSV.
name	string	The name of the sumologic rule.
placement	string	Where in the generated VCL the logging call should be placed, overriding any format_version default <code>waf_debug</code> . This field is not required and has no default value.

field	type	description
response_condition	string	When to execute the sumologic. If empty, always execute.
url	string	The URL to POST to.
version	integer	The current version of a service.

## Actions

**GET** /service/ **service\_id** /version/ **version** /logging/sumologic

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

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

### Request Example

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

### ▼ Response Example

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

```
[  
  {  
    "created_at": "2016-05-23T21:37:09+00:00",  
    "deleted_at": null,  
    "format": "%h %l %u %t \"%r\" %>s %b",  
    "format_version": "2",  
    "message_type": "classic",  
    "name": "test-sumologic",  
    "placement": null,  
    "response_condition": "",  
    "service_id": "SU1Z0isxPaozGVKXdv0eY",  
    "updated_at": "2016-05-23T21:37:09+00:00",  
    "url": "https://endpoint1.collection.us2.sumologic.com/receiver/v1/http/your_end_point_here",  
    "version": "1"  
  }  
]
```

**GET** /service/ **service\_id** /version/ **version** /logging/sumologic/ **name**

Get the Sumologic for a particular service and version  
Authentication

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

### Request Example

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

### ▼ Response Example

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

```
{  
  "created_at": "2016-05-23T21:37:09+00:00",  
  "deleted_at": null,  
  "format": "%h %l %u %t \"%r\" %>s %b",  
  "format_version": "2",  
  "message_type": "classic",  
  "name": "test-sumologic",  
  "placement": null,  
  "response_condition": "",  
  "service_id": "SU1Z0isxPaozGVKXdv0eY",  
  "updated_at": "2016-05-23T21:37:09+00:00",  
  "url": "https://endpoint1.collection.us2.sumologic.com/receiver/v1/http/your_end_point_here",  
  "version": "1"  
}
```



**POST** /service/ **service\_id** /version/ **version** /logging/sumologic

Create a Sumologic for a particular service and version

Authentication

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

Request Example

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

name=test-sumologic&url=https://sumologic.net/v1/http/your_end_point_here
```

▼ Response Example

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

{
  "created_at": "2016-05-23T21:37:09+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "message_type": "classic",
  "name": "test-sumologic",
  "response_condition": "",
  "placement": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "updated_at": "2016-05-23T21:37:09+00:00",
  "url": "https://endpoint1.collection.us2.sumologic.com/receiver/v1/http/your_end_point_here",
  "version": "1"
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/sumologic/ **old\_name**

Update the Sumologic for a particular service and version

Authentication

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

Parameters

parameter	type	description
old_name	string	Old name of the Sumologic object (used to select the correct Sumologic object if the name has been changed).

Request Example

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

name=updated-test-sumologic
```

▼ Response Example

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

{
  "created_at": "2016-05-23T21:37:09+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "message_type": "classic",
  "name": "updated-test-sumologic",
  "response_condition": "",
  "placement": null,
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "updated_at": "2016-05-23T21:37:09+00:00",
  "url": "https://endpoint1.collection.us2.sumologic.com/receiver/v1/http/your_end_point_here",
  "version": "1"
}
```



**DELETE** /service/ **service\_id** /version/ **version** /logging/sumologic/ **name**

Delete the Sumologic for a particular service and version

Authentication

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

Request Example

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

▼ Response Example

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

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

## Syslog

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

### Fields

field	type	description
address	string	A hostname or IPv4 address.
created_at	string	Time-stamp (GMT) when the endpoint was created.
deleted_at	string	Time-stamp (GMT) when the endpoint was deleted.
format	string	Apache style log formatting.
format_version	integer	The version of the custom logging format used for the configured endpoint. Can be either 2 (the default) or 1 (the version 1 log format). The logging call gets placed by default in <code>vcl_log</code> if <code>format_version</code> is set to 2, or <code>vcl_deliver</code> if <code>format_version</code> is set to 1.
hostname	string	The hostname used for the syslog endpoint.
ipv4	string	The IPv4 address used for the syslog endpoint.
message_type	string	How the message should be formatted One of:
classic	-	(default) RFC 3164 syslog prefix.
loggly	-	RFC 5424 structured syslog.
logplex	-	Heroku-style length prefixed syslog.
blank	-	No prefix. Useful for writing JSON and CSV.
name	string	The name of the syslog rule.
placement	string	Where in the generated VCL the logging call should be placed, overriding any format_version default <code>waf_debug</code> . This field is not required and has no default value.
port	integer	The port number.
response_condition	string	When to execute the syslog. If empty, always execute.
service_id	string	The alphanumeric string identifying a service.

field	type	description
tls_ca_cert	string	A secure certificate to authenticate the server with.
tls_hostname	string	Used during the TLS handshake to validate the certificate.
token	string	Whether to prepend each message with a specific token.
updated_at	string	Time-stamp (GMT) when the endpoint was updated.
use_tls	string	Whether to use TLS for secure logging. Can be either <code>"0"</code> or <code>"1"</code> .
version	integer	The current version of a service.

## Actions

**GET** /service/ **service\_id** /version/ **version** /logging/syslog

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

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

### Request Example

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

### ▼ Response Example

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

```
[
  {
    "address": "example.com",
    "created_at": "2016-05-26T16:41:38+00:00",
    "deleted_at": null,
    "format": "%h %l %u %t \"%r\" %>s %b",
    "format_version": "2",
    "hostname": "example.com",
    "ipv4": null,
    "message_type": "classic",
    "name": "test-syslog",
    "placement": null,
    "port": "514",
    "response_condition": "",
    "service_id": "SU1Z0isxPaozGVKXdv0eY",
    "tls_ca_cert": null,
    "tls_hostname": null,
    "token": null,
    "updated_at": "2016-05-26T16:41:38+00:00",
    "use_tls": "0",
    "version": "1"
  }
]
```

**GET** /service/ **service\_id** /version/ **version** /logging/syslog/ **name**

Get the Syslog for a particular service and version  
Authentication

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

### Request Example

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

### ▼ Response Example

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

```
{
  "address": "example.com",
  "created_at": "2016-05-26T16:41:38+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "hostname": "example.com",
  "ipv4": null,
  "message_type": "classic",
  "name": "test-syslog",
  "placement": null,
  "port": "514",
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "tls_ca_cert": null,
  "tls_hostname": null,
  "token": null,
  "updated_at": "2016-05-26T16:41:38+00:00",
  "use_tls": "0",
  "version": "1"
}
```

**POST** /service/ **service\_id** /version/ **version** /logging/syslog

Create a Syslog for a particular service and version  
Authentication

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

```
POST /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/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
```

```
{
  "address": "example.com",
  "created_at": "2016-05-26T16:41:38+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "hostname": "example.com",
  "ipv4": null,
  "message_type": "classic",
  "name": "test-syslog",
  "placement": null,
  "port": "514",
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "tls_ca_cert": null,
  "tls_hostname": null,
  "token": null,
  "updated_at": "2016-05-26T16:41:38+00:00",
  "use_tls": "0",
  "version": "1"
}
```

**PUT** /service/ **service\_id** /version/ **version** /logging/syslog/ **old\_name**

Update the Syslog for a particular service and version  
Authentication

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

parameter	type	description
old_name	string	Old name of the Syslog object (used to select the correct Syslog object if the name has been changed).

Request Example

```
PUT /service/SU1Z0isxPaozGVKXdv0eY/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

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

{
  "address": "example.com",
  "created_at": "2016-05-26T16:41:38+00:00",
  "deleted_at": null,
  "format": "%h %l %u %t \"%r\" %>s %b",
  "format_version": "2",
  "hostname": "example.com",
  "ipv4": null,
  "message_type": "classic",
  "name": "updated-test-syslog",
  "placement": null,
  "port": "514",
  "response_condition": "",
  "service_id": "SU1Z0isxPaozGVKXdv0eY",
  "tls_ca_cert": null,
  "tls_hostname": null,
  "token": null,
  "updated_at": "2016-05-26T16:41:38+00:00",
  "use_tls": "0",
  "version": "1"
}
```

**DELETE** /service/ **service\_id** /version/ **version** /logging/syslog/ **name**

Delete the Syslog for a particular service and version  
Authentication

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

Request Example

```
DELETE /service/SU1Z0isxPaozGVKXdv0eY/version/1/logging/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 L logging endpoints. We maintain the deprecated patterns (without `/logging/`) as a courtesy.

## Utilities

## Content

Fastly makes it possible to see which version of a particular URL is cached on each edge server.

### Actions

**GET** /content/edge\_check

Retrieve headers and MD5 hash of the content for a particular URL from each Fastly edge server. This API is limited to 200 requests per hou  
Authentication

[API token](#) of a user with at least `Engineer` [permissions](#). This endpoint does not accept a token with the `global:read` scope.

Parameters

parameter	type	description
url	string	Full URL (host and path) to check on all nodes. if protocol is omitted, <code>http</code> will be assumed

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": "c6447943be2cff04787d9367ddd58fa0",
    "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/\"76cdf069e25c5e32bb8005982d3f8e0d\"",
        "Expires": "Thu, 01 Jan 1970 00:00:00 GMT",
        "Set-Cookie": [
          "crumb=EUmnHJvt3XCJP2hZmlzWCvVNzOHq5Wb1;Path=/",
          "SS_MID=7b22de59-a0ca-4d2f-aea2-dbe337990ba3ip466np;Path=/;Domain=.example.com;Expires=Thu, 04-Jun-2026 15:26:05 GM"
        ],
        "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": "OZs6DMRDuX2Tj7xXJlbWIZgi2cI-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"
  },
]
```

## Datcenter

List Fastly datacenters and their locations.

### Actions

**GET** /datacenters

Get a list of all Fastly datacenters.

Authentication

[API token.](#)

Request Example

```
GET /datacenters HTTP/1.1
```

▼ Response Example

HTTP/1.1 200 OK

Content-Type: application/json

```
[
  {
    "code": "AMS",
    "coordinates": {
      "latitude": 52.3081,
      "longitude": 4.7642,
      "x": 129,
      "y": 42
    },
    "group": "Europe",
    "name": "Amsterdam",
    "shield": "amsterdam-nl"
  },
]
```

## Docs

Documentation of the endpoints that return the Fastly API Documentation.

### Actions

GET /docs

Gets all documentation associated with the Fastly API.

Authentication

None.

Request Example

GET /docs HTTP/1.1

▼ Response Example

HTTP/1.1 200 OK

Content-Type: application/json

```
[
  {
    "actions": [
      {
        "authentication": "engineer",
        "description": [
          "List all backends for a particular service and version."
        ],
        "http_method": "GET",
        "request": [
          "GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/backend",
          "Fastly-Key: YOUR_FASTLY_TOKEN",
          "Accept: application/json"
        ],
        "response": [
          "HTTP/1.1 200 OK",
          "Content-Type: application/json"
        ],
        "response_body": [
          "[",
          "  {",
          "    \"address\": \"127.0.0.1\",",
          "    \"auto_loadbalance\": false,",
          "    \"between_bytes_timeout\": 10000,",
          "    \"client_cert\": null,",
          "    \"comment\": \"\",",
          "    \"connect_timeout\": 1000,",
          "    \"first_byte_timeout\": 15000,",
          "    \"healthcheck\": null,",
          "    \"hostname\": null,",
          "    \"ipv4\": \"127.0.0.1\",",
          "    \"ipv6\": null,",
          "    \"locked\": true,",
          "    \"max_conn\": 200,",
          "    \"max_tls_version\": null,",
          "    \"min_tls_version\": null,",
          "    \"name\": \"backend-name\",",
          "    \"port\": 80,",
          "    \"request_condition\": \"\",",
          "    \"service_id\": \"SU1Z0isxPaozGVKXdv0eY\",",
          "    \"shield\": null,",
          "    \"ssl_ca_cert\": null,",
          "    \"ssl_cert_hostname\": null,",
          "    \"ssl_check_cert\": true,",
          "    \"ssl_ciphers\": null,",
          "    \"ssl_client_cert\": null,",
          "    \"ssl_client_key\": null,",
          "    \"ssl_hostname\": null,",
          "    \"ssl_sni_hostname\": null,",
          "    \"use_ssl\": false,",
          "    \"version\": 1,",
          "    \"weight\": 100",
          "  }",
          "]"
        ],
        "url": "/service/:service_id/version/:version/backend"
      }
    ],
    "description": [
      "A backend is an address (IP or domain) from which Fastly pulls content. There can be multiple backends for a service."
    ],
    "fields": [
      "address String. An hostname, IPv4, or IPv6 address for the backend.",
      "auto_loadbalance Boolean. Whether or not this backend should be automatically load balanced.",
      "between_bytes_timeout Integer. How long to wait between bytes in milliseconds.",
      "client_cert String.",
      "comment String.",
      "connect_timeout Integer. How long to wait for a timeout in milliseconds.",
      "first_byte_timeout Integer. How long to wait for the first bytes in milliseconds.",
      "healthcheck String. The name of the healthcheck to use with this backend. Can be empty.",
      "hostname String. The hostname of the backend.",
      "ipv4 String. IPv4 address of the host.",
      "ipv6 String. IPv6 address of the host.",
      "locked Boolean. Specifies whether or not the version is locked for editing.",
      "max_conn Integer. Maximum number of connections.",
      "max_tls_version Integer. Maximum allowed TLS version on SSL connections to this backend.",
      "min_tls_version Integer. Minimum allowed TLS version on SSL connections to this backend.",
      "name String. The name of the backend.",
      "port Integer. The port number.",
      "request_condition String. Condition, which if met, will select this backend during a request.",
      "service_id String. The alphanumeric string identifying a service.",
      "shield String. The shield POP designated to reduce inbound load on this origin by serving the cached data to the rest of the world.",
      "ssl_ca_cert String. CA certificate attached to origin."
    ]
  }
]
```

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```
"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
"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/subject/ **endpoint**

Gets all documentation relating to a given 'Subject'  
Authentication

None.  
Parameters

parameter	type	description
subject	string	The subject to search for.

Request Example

```
GET /docs/subject/backend HTTP/1.1
```

▼ Response Example

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



```

{
  "actions": [
    {
      "authentication": "engineer",
      "description": [
        "List all backends for a particular service and version."
      ],
      "http_method": "GET",
      "request": [
        "GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/backend",
        "Fastly-Key: YOUR_FASTLY_TOKEN",
        "Accept: application/json"
      ],
      "response": [
        "HTTP/1.1 200 OK",
        "Content-Type: application/json"
      ],
      "response_body": [
        "[",
        "  {",
        "    \"address\": \"127.0.0.1\",",
        "    \"auto_loadbalance\": false,",
        "    \"between_bytes_timeout\": 10000,",
        "    \"client_cert\": null,",
        "    \"comment\": \"\",",
        "    \"connect_timeout\": 1000,",
        "    \"first_byte_timeout\": 15000,",
        "    \"healthcheck\": null,",
        "    \"hostname\": null,",
        "    \"ipv4\": \"127.0.0.1\",",
        "    \"ipv6\": null,",
        "    \"locked\": true,",
        "    \"max_conn\": 200,",
        "    \"max_tls_version\": null,",
        "    \"min_tls_version\": null,",
        "    \"name\": \"backend-name\",",
        "    \"port\": 80,",
        "    \"request_condition\": \"\",",
        "    \"service_id\": \"SU1Z0isxPaozGVKXdv0eY\",",
        "    \"shield\": null,",
        "    \"ssl_ca_cert\": null,",
        "    \"ssl_cert_hostname\": null,",
        "    \"ssl_check_cert\": true,",
        "    \"ssl_ciphers\": null,",
        "    \"ssl_client_cert\": null,",
        "    \"ssl_client_key\": null,",
        "    \"ssl_hostname\": null,",
        "    \"ssl_sni_hostname\": null,",
        "    \"use_ssl\": false,",
        "    \"version\": 1,",
        "    \"weight\": 100",
        "  }",
        "]"
      ],
      "url": "/service/:service_id/version/:version/backend"
    },
  ],
  "description": [
    "A backend is an address (IP or domain) from which Fastly pulls content. There can be multiple backends for a service."
  ],
  "fields": [
    "address String. An hostname, IPv4, or IPv6 address for the backend.",
    "auto_loadbalance Boolean. Whether or not this backend should be automatically load balanced.",
    "between_bytes_timeout Integer. How long to wait between bytes in milliseconds.",
    "client_cert String.",
    "comment String.",
    "connect_timeout Integer. How long to wait for a timeout in milliseconds.",
    "first_byte_timeout Integer. How long to wait for the first bytes in milliseconds.",
    "healthcheck String. The name of the healthcheck to use with this backend. Can be empty.",
    "hostname String. The hostname of the backend.",
    "ipv4 String. IPv4 address of the host.",
    "ipv6 String. IPv6 address of the host.",
    "locked Boolean. Specifies whether or not the version is locked for editing.",
    "max_conn Integer. Maximum number of connections.",
    "max_tls_version Integer. Maximum allowed TLS version on SSL connections to this backend.",
    "min_tls_version Integer. Minimum allowed TLS version on SSL connections to this backend.",
    "name String. The name of the backend.",
    "port Integer. The port number.",
    "request_condition String. Condition, which if met, will select this backend during a request.",
    "service_id String. The alphanumeric string identifying a service.",
    "shield String. The shield POP designated to reduce inbound load on this origin by serving the cached data to the rest of",
    "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 r does not match the given regular\_expression

Authentication

None.

Parameters

parameter	type	description
section	<i>string</i>	The subject to search for.
invert	<i>boolean</i>	Get everything that does not match section

Request Example

```
GET /docs/section/backend HTTP/1.1
```

▼ Response Example

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

```

{
  "actions": [
    {
      "authentication": "engineer",
      "description": [
        "List all backends for a particular service and version."
      ],
      "http_method": "GET",
      "request": [
        "GET /service/SU1Z0isxPaozGVKXdv0eY/version/1/backend",
        "Fastly-Key: YOUR_FASTLY_TOKEN",
        "Accept: application/json"
      ],
      "response": [
        "HTTP/1.1 200 OK",
        "Content-Type: application/json"
      ],
      "response_body": [
        "[",
        "  {",
        "    \"address\": \"127.0.0.1\",",
        "    \"auto_loadbalance\": false,",
        "    \"between_bytes_timeout\": 10000,",
        "    \"client_cert\": null,",
        "    \"comment\": \"\",",
        "    \"connect_timeout\": 1000,",
        "    \"first_byte_timeout\": 15000,",
        "    \"healthcheck\": null,",
        "    \"hostname\": null,",
        "    \"ipv4\": \"127.0.0.1\",",
        "    \"ipv6\": null,",
        "    \"locked\": true,",
        "    \"max_conn\": 200,",
        "    \"max_tls_version\": null,",
        "    \"min_tls_version\": null,",
        "    \"name\": \"backend-name\",",
        "    \"port\": 80,",
        "    \"request_condition\": \"\",",
        "    \"service_id\": \"SU1Z0isxPaozGVKXdv0eY\",",
        "    \"shield\": null,",
        "    \"ssl_ca_cert\": null,",
        "    \"ssl_cert_hostname\": null,",
        "    \"ssl_check_cert\": true,",
        "    \"ssl_ciphers\": null,",
        "    \"ssl_client_cert\": null,",
        "    \"ssl_client_key\": null,",
        "    \"ssl_hostname\": null,",
        "    \"ssl_sni_hostname\": null,",
        "    \"use_ssl\": false,",
        "    \"version\": 1,",
        "    \"weight\": 100",
        "  }",
        "]"
      ],
      "url": "/service/:service_id/version/:version/backend"
    },
  ],
  "description": [
    "A backend is an address (IP or domain) from which Fastly pulls content. There can be multiple backends for a service."
  ],
  "fields": [
    "address String. An hostname, IPv4, or IPv6 address for the backend.",
    "auto_loadbalance Boolean. Whether or not this backend should be automatically load balanced.",
    "between_bytes_timeout Integer. How long to wait between bytes in milliseconds.",
    "client_cert String.",
    "comment String.",
    "connect_timeout Integer. How long to wait for a timeout in milliseconds.",
    "first_byte_timeout Integer. How long to wait for the first bytes in milliseconds.",
    "healthcheck String. The name of the healthcheck to use with this backend. Can be empty.",
    "hostname String. The hostname of the backend.",
    "ipv4 String. IPv4 address of the host.",
    "ipv6 String. IPv6 address of the host.",
    "locked Boolean. Specifies whether or not the version is locked for editing.",
    "max_conn Integer. Maximum number of connections.",
    "max_tls_version Integer. Maximum allowed TLS version on SSL connections to this backend.",
    "min_tls_version Integer. Minimum allowed TLS version on SSL connections to this backend.",
    "name String. The name of the backend.",
    "port Integer. The port number.",
    "request_condition String. Condition, which if met, will select this backend during a request.",
    "service_id String. The alphanumeric string identifying a service.",
    "shield String. The shield POP designated to reduce inbound load on this origin by serving the cached data to the rest of",
    "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"
}
```

## Public IP List

To help you manage firewall rules for connections from Fastly to your origin, we provide access to the list of Fastly's assigned IP ranges. Ch announced in advance as an "IP address announcement" ([example](#)) along with other service announcements to our [status page](#), which you

### Actions

**GET** /public-ip-list

List the public IP addresses for the 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"
  ],
  "ipv6_addresses": [
    "2a04:4e40::/32",
    "2a04:4e42::/32"
  ]
}
```

## WAF

Fastly offers a [Web Application Firewall \(WAF\)](#) security product that allows you to detect malicious request traffic and log or log and block th your web application. The Fastly WAF provides rules that detect and block potential attacks. The rules are collected into a policy and deploy 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 *deprecated* may be removed in the future and their use is discouraged. For more information, see our [product and feature lifecycle](#) descri

## Firewall

Firewall object used when configuring WAF.

### Fields

field	type	description
-------	------	-------------

field	type	description
last_push	string	Date and time that VCL was last pushed to cache nodes.
prefetch_condition	string	Name of the corresponding condition object.
response	string	Name of the corresponding response object.
version	string	The current version number of a service.
service_id	string	The service ID.
disabled	boolean	The status of the firewall. Defaults to false.
rule_statuses_log_count	integer	The number of rule statuses set to log.
rule_statuses_block_count	integer	The number of rule statuses set to block.
rule_statuses_disabled_count	integer	The number of rule statuses set to disabled.

## Actions

**GET** /service/ **service\_id** /version/ **version** /wafs

List all firewall objects for a particular service and version.

Authentication

[API token](#).

Parameters

parameter	type	description
page[size]	integer	Limit the number of returned firewalls.
page[number]	integer	Request a specific page of firewalls.
include	string	Include relationships. Optional, comma separated values. Permitted values: <code>configuration_set,owasp</code> .

### Request Example

```
GET /service/:service_id/version/:version/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
```

```
{
  "data": [
    {
      "id": "WAF_ID",
      "type": "waf",
      "attributes": {
        "prefetch_condition": null,
        "response": "waf",
        "last_push": "2016-09-28 22:52:33 UTC",
        "version": "1",
        "service_id": "SERVICE_ID",
        "disabled": false,
        "rule_statuses_log_count": 235,
        "rule_statuses_block_count": 34,
        "rule_statuses_disabled_count": 2
      },
      "relationships": {
        "configuration_set": {
          "data": {
            "id": "CONFIGURATION_SET_ID",
            "type": "configuration_set"
          }
        }
      }
    }
  ],
  "links": {
    "first": "https://api.fastly.com/service/SERVICE_ID/version/VERSION/wafs?page[number]=1&page[size]=100",
    "last": "https://api.fastly.com/service/SERVICE_ID/version/VERSION/wafs?page[number]=1&page[size]=100"
  }
}
```

**GET** /service/ **service\_id** /version/ **version** /wafs/ **waf\_id**

Get a specific firewall object.

Authentication

[API token](#).

Parameters

parameter	type	description
service_id	<i>string</i>	The ID of the service.
version	<i>integer</i>	The number of the version.
waf_id	<i>string</i>	The firewall ID.

Request Example

```
GET /service/:service_id/version/:version/wafs/:waf_id HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

▼ Response Example

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

```
{
  "data": {
    "id": "WAF_ID",
    "type": "waf",
    "attributes": {
      "last_push": "2016-08-16 17:05:13 UTC",
      "prefetch_condition": "WAF-Condition",
      "response": "WAF_Error",
      "version": "1",
      "service_id": "SERVICE_ID",
      "disabled": false,
      "rule_statuses_log_count": 235,
      "rule_statuses_block_count": 34,
      "rule_statuses_disabled_count": 2
    },
    "relationships": {
      "configuration_set": {
        "data": {
          "id": "CONFIGURATION_SET_ID",
          "type": "configuration_set"
        }
      }
    }
  }
}
```

**POST** /service/ **service\_id** /version/ **version** /wafs

Create a firewall object for a particular service and version.  
Authentication

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

Request Example

```
POST /service/:service_id/version/:version/wafs HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json
```

```
{
  "data": {
    "type": "waf",
    "attributes": {
      "prefetch_condition": "WAF-Condition",
      "response": "WAF_Error"
    }
  }
}
```

▼ Response Example

```
HTTP/1.1 201 Created
Content-Type: application/vnd.api+json
```

```
{
  "data": {
    "id": "WAF_ID",
    "type": "waf",
    "attributes": {
      "last_push": null,
      "prefetch_condition": "WAF-Condition",
      "response": "WAF_Error",
      "version": "1",
      "service_id": "SERVICE_ID",
      "disabled": false,
      "rule_statuses_log_count": 235,
      "rule_statuses_block_count": 34,
      "rule_statuses_disabled_count": 2
    },
    "relationships": {
      "configuration_set": {
        "data": {
          "id": "CONFIGURATION_SET_ID",
          "type": "configuration_set"
        }
      }
    }
  }
}
```

**PATCH** /service/ **service\_id** /version/ **version** /wafs/ **waf\_id**

Update a firewall object for a particular service and version.  
Authentication

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

Request Example

```
PATCH /service/:service_id/version/:version/wafs/:waf_id HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json

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

▼ Response Example

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

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

**PATCH** /wafs/ **id** /disable

Disable a firewall for a particular service and version. This endpoint is intended to be used in an emergency. Disabling a firewall object for a : replaces your existing WAF ruleset with an empty ruleset. While disabled, your WAF ruleset will not be applied to your origin traffic. This end users assigned the role of superuser or above. This is an asynchronous action. To check on the completion of this action, use the related link check on the Update Status of the action.  
Authentication

[API token](#) with at least [Superuser](#) [permissions](#).

Request Example

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



```
{
  "data": {
    "id": "WAF_ID",
    "type": "waf"
  }
}
```

▼ Response Example

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

```
{
  "data": {
    "id": "WAF_ID",
    "type": "waf",
    "attributes": {
      "last_push": null,
      "prefetch_condition": null,
      "response": null,
      "version": null,
      "service_id": "SERVICE_ID",
      "disabled": false,
      "rule_statuses_log_count": 235,
      "rule_statuses_block_count": 34,
      "rule_statuses_disabled_count": 2
    },
    "relationships": {
      "configuration_set": {
        "data": {
          "id": "CONFIGURATION_SET_ID",
          "type": "configuration_set"
        }
      }
    },
    "links": {
      "related": {
        "href": "https://api.fastly.com/service/SERVICE_ID/wafs/WAF_ID/update_statuses/UPDATE_STATUS_ID"
      }
    }
  }
}
```

**PATCH** /wafs/ **id** /enable

Re-enable a firewall object for a particular service and version after it has been disabled. This endpoint is intended to be used in an emerger re-enabled, a newly generated WAF ruleset VCL based on the current WAF configuration is used to replace the empty ruleset. This endpoint assigned the role of superuser or above. This is an asynchronous action. To check on the completion of this action, use the related link retur check on the Update Status of the action.

Authentication

[API token](#) with at least [Superuser](#) [permissions](#).

Request Example

**PATCH** /wafs/:id/enable **HTTP/1.1**  
**Fastly-Key:** YOUR\_FASTLY\_TOKEN  
**Content-Type:** application/vnd.api+json  
**Accept:** application/vnd.api+json

```
{
  "data": {
    "id": "WAF_ID",
    "type": "waf"
  }
}
```

▼ Response Example

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

```
{
  "data": {
    "id": "WAF_ID",
    "type": "waf",
    "attributes": {
      "last_push": null,
      "prefetch_condition": null,
      "response": null,
      "version": "1",
      "service_id": "SERVICE_ID",
      "disabled": false,
      "rule_statuses_log_count": 235,
      "rule_statuses_block_count": 34,
      "rule_statuses_disabled_count": 2
    },
    "relationships": {
      "configuration_set": {
        "data": {
          "id": "CONFIGURATION_SET_ID",
          "type": "configuration_set"
        }
      }
    },
    "links": {
      "related": {
        "href": "https://api.fastly.com/service/SERVICE_ID/wafs/WAF_ID/update_statuses/UPDATE_STATUS_ID"
      }
    }
  }
}
```

**GET** /wafs

List all active firewall objects.  
Authentication

[API token](#).

Parameters

parameter	type	description
filter[rules][rule_id]	integer	Limit the returned firewalls to a specific rule ID.
page[size]	integer	Limit the number of returned firewalls.
page[number]	integer	Request a specific page of firewalls.
include	string	Include relationships. Optional, comma separated values. Permitted values: <code>configuration_set,owasp</code>

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
```

```
{
  "data": [
    {
      "id": "WAF_ID",
      "type": "waf",
      "attributes": {
        "prefetch_condition": null,
        "response": "waf",
        "last_push": "2016-09-28 22:52:33 UTC",
        "disabled": false,
        "version": "2",
        "service_id": "SERVICE_ID",
        "rule_statuses_log_count": 235,
        "rule_statuses_block_count": 34,
        "rule_statuses_disabled_count": 2
      },
      "relationships": {
        "configuration_set": {
          "data": {
            "id": "CONFIGURATION_SET_ID",
            "type": "configuration_set"
          }
        }
      }
    }
  ],
  "links": {
    "first": "https://api.fastly.com/wafs?page[number]=1&page[size]=100",
    "last": "https://api.fastly.com/wafs?page[number]=1&page[size]=100"
  }
}
```

GET /wafs/ id

Get a specific firewall object.

Authentication

[API token](#).

Parameters

parameter	type	description
include	string	Include relationships. Optional, comma separated values. Permitted values: <code>configuration_set,owasp,rules,</code>

Request Example

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

▼ Response Example

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

```
{
  "data": {
    "id": "WAF_ID",
    "type": "waf",
    "attributes": {
      "last_push": "2016-08-16 17:05:13 UTC",
      "prefetch_condition": "WAF-Condition",
      "response": "WAF_Error",
      "version": "1"
      "service_id": "SERVICE_ID",
      "disabled": false,
      "rule_statuses_log_count": 235,
      "rule_statuses_block_count": 34,
      "rule_statuses_disabled_count": 2
    },
    "relationships": {
      "configuration_set": {
        "data": {
          "id": "CONFIGURATION_SET_ID",
          "type": "configuration_set"
        }
      }
    }
  }
}
```

# OWASP

OWASP settings object used when configuring WAF.

## Fields

field	type	description
allowed_http_versions	string	Allowed HTTP versions (default <code>HTTP/1.0 HTTP/1.1 HTTP/2</code> ).
allowed_methods	string	A space-separated list of HTTP method names (default <code>GET HEAD POST OPTIONS E</code>
allowed_request_content_type	string	Allowed request content types (default <code>application/x-www-form-urlencoded mul data text/xml application/xml application/x-amf application/json text/p</code>
arg_length	integer	The maximum number of arguments allowed (default <code>400</code> ).
arg_name_length	integer	The maximum allowed argument name length (default <code>100</code> ).
combined_file_sizes	integer	The maximum allowed size of all files (in bytes, default <code>100000000</code> ).
created_at	string	Date and time that the settings object was created.
critical_anomaly_score	integer	Score value to add for critical anomalies (default <code>6</code> ).
crs_validate_utf8_encoding	boolean	CRS validate UTF8 encoding.
error_anomaly_score	integer	Score value to add for error anomalies (default <code>5</code> ).
high_risk_country_codes	string	A space-separated list of country codes in ISO 3166-1 (two-letter) format.
http_violation_score_threshold	integer	HTTP violation threshold.
inbound_anomaly_score_threshold	integer	Inbound anomaly threshold.
lfi_score_threshold	integer	Local file inclusion attack threshold.
max_file_size	integer	The maximum allowed file size (in bytes, default <code>100000000</code> ).
max_num_args	integer	The maximum number of arguments allowed (default <code>255</code> ).
notice_anomaly_score	integer	Score value to add for notice anomalies (default <code>4</code> ).
paranoia_level	integer	The configured paranoia level (default <code>1</code> ).
php_injection_score_threshold	integer	PHP injection threshold.
rce_score_threshold	integer	Remote code execution threshold.
restricted_extensions	string	A space-separated list of allowed file extensions (default <code>.asa/ .asax/ .ascx/ .a .bat/ .cdx/ .cer/ .cfg/ .cmd/ .com/ .config/ .conf/ .cs/ .csproj/ .csr, .dll/ .dos/ .htr/ .htw/ .ida/ .idc/ .idq/ .inc/ .ini/ .key/ .licx/ .lnl .pass/ .pdb/ .pol/ .printer/ .pwd/ .resources/ .resx/ .sql/ .sys/ .vb/ .vsdisco/ .webinfo/ .xsd/ .xsx</code> ).
restricted_headers	string	A space-separated list of allowed header names (default <code>/proxy/ /lock-token/ / /translate/ /if/</code> ).
rfi_score_threshold	integer	Remote file inclusion attack threshold.

field	type	description
session_fixation_score_threshold	integer	Session fixation attack threshold.
sql_injection_score_threshold	integer	SQL injection attack threshold.
total_arg_length	integer	The maximum size of argument names and values (default <code>6400</code> ).
updated_at	string	Date and time that the settings object was last 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 the OWASP settings object for a particular service and firewall.

Authentication

[API token](#).

Request Example

```
GET /service/:service_id/wafs/:waf_id/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": "OWASP_ID",
    "type": "owasp",
    "attributes": {
      "allowed_http_versions": "HTTP/1.0 HTTP/1.1 HTTP/2",
      "allowed_methods": "GET HEAD POST OPTIONS PUT PATCH DELETE",
      "allowed_request_content_type": "application/x-www-form-urlencoded|multipart/form-data|text/xml|application/xml|applicat
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/ .
.dat/ .db/ .dbf/ .dll/ .dos/ .htr/ .htw/ .ida/ .idc/ .idq/ .inc/ .ini/ .key/ .licx/ .lnk/ .log/ .mdb/ .old/ .pass/ .pdb/ .pol/
.resources/ .resx/ .sql/ .sys/ .vb/ .vbs/ .vbproj/ .vsdisco/ .webinfo/ .xsd/ .xsx",
      "restricted_headers": "/proxy/ /lock-token/ /content-range/ /translate/ /if/",
      "rfi_score_threshold": 999,
      "session_fixation_score_threshold": 999,
      "sql_injection_score_threshold": 999,
      "total_arg_length": 6400,
      "updated_at": "2016-09-09 16:00:17 UTC",
      "warning_anomaly_score": 3,
      "xss_score_threshold": 999
    },
    "relationships": {
      "waf": {
        "data": {
          "type": "waf",
          "id": "WAF_ID"
        }
      }
    }
  }
}
```

**POST** /service/ **service\_id** /wafs/ **waf\_id** /owasp

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

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

Request Example

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

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

▼ Response Example

```
HTTP/1.1 201 Created
Content-Type: application/vnd.api+json
```

```
{
  "data": {
    "id": "OWASP_ID",
    "type": "owasp",
    "attributes": {
      "allowed_http_versions": "HTTP/1.0 HTTP/1.1 HTTP/2",
      "allowed_methods": "GET HEAD POST OPTIONS PUT PATCH DELETE",
      "allowed_request_content_type": "application/x-www-form-urlencoded|multipart/form-data|text/xml|application/xml|applicat
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/ .
.dat/ .db/ .dbf/ .dll/ .dos/ .htr/ .htw/ .ida/ .idc/ .idq/ .inc/ .ini/ .key/ .licx/ .lnk/ .log/ .mdb/ .old/ .pass/ .pdb/ .pol/
.resources/ .resx/ .sql/ .sys/ .vb/ .vbs/ .vbproj/ .vsdisco/ .webinfo/ .xsd/ .xsx",
      "restricted_headers": "/proxy/ /lock-token/ /content-range/ /translate/ /if/",
      "rfi_score_threshold": 999,
      "session_fixation_score_threshold": 999,
      "sql_injection_score_threshold": 999,
      "total_arg_length": 6400,
      "updated_at": "2016-09-09 16:00:17 UTC",
      "warning_anomaly_score": 3,
      "xss_score_threshold": 999
    },
    "relationships": {
      "waf": {
        "data": {
          "type": "waf",
          "id": "WAF_ID"
        }
      }
    }
  }
}
```

**PATCH** /service/ **service\_id** /wafs/ **waf\_id** /owasp

Update the OWASP settings object for a particular service and firewall.  
Authentication

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

Request Example

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

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

▼ Response Example

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

```
{
  "data": {
    "id": "OWASP_ID",
    "type": "owasp",
    "attributes": {
      "allowed_http_versions": "HTTP/1.0 HTTP/1.1 HTTP/2",
      "allowed_methods": "GET HEAD POST OPTIONS PUT PATCH DELETE",
      "allowed_request_content_type": "application/x-www-form-urlencoded|multipart/form-data|text/xml|application/xml|applicat
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/ .
.dat/ .db/ .dbf/ .dll/ .dos/ .htr/ .htw/ .ida/ .idc/ .idq/ .inc/ .ini/ .key/ .licx/ .lnk/ .log/ .mdb/ .old/ .pass/ .pdb/ .pol/
.resources/ .resx/ .sql/ .sys/ .vb/ .vbs/ .vbproj/ .vsdisco/ .webinfo/ .xsd/ .xsx",
      "restricted_headers": "/proxy/ /lock-token/ /content-range/ /translate/ /if/",
      "rfi_score_threshold": 999,
      "session_fixation_score_threshold": 999,
      "sql_injection_score_threshold": 999,
      "total_arg_length": 6400,
      "updated_at": "2016-09-09 16:00:17 UTC",
      "warning_anomaly_score": 3,
      "xss_score_threshold": 999
    },
    "relationships": {
      "waf": {
        "data": {
          "type": "waf",
          "id": "WAF_ID"
        }
      }
    }
  }
}
```

## Rules

Rules used when configuring WAF.

### Fields

field	type	description
message	string	Message metadata for the rule.
rule_id	string	Corresponding ModSecurity rule ID.
severity	integer	Severity metadata for the rule.
source	string	The ModSecurity rule logic.
vcl	string	The VCL representation of the rule logic.

### Actions

**GET** /wafs/rules

List all rules in the latest configuration set.

Authentication

[API token.](#)

Parameters



parameter	type	description
filter[rule_id]	string	Limit the returned rules to a specific rule ID.
filter[severity]	string	Limit the returned rules to a specific severity.
filter[tags][name]	string	Limit the returned rules to a set linked to a tag by name.
filter[configuration_set_id]	string	Optional. Limit rules to specific configuration set or pass "all" to search all configuration sets, in
page[size]	integer	Limit the number of returned tags.
page[number]	integer	Request a specific page of tags.
include	array	Include relationships. Optional. Comma separated values. Permitted values: <code>tags</code> , <code>rule_statu</code>

Request Example

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

▼ Response Example

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

{
  "data": [
    {
      "type": "rule",
      "id": "RULE_ID",
      "attributes": {
        "rule_id": "MODSEC_RULE_ID",
        "severity": 2,
        "message": "Cross-site Scripting (XSS) Anomaly Threshold Exceeded (XSS Score: %{TX.XSS_SCORE})"
        "source": null,
        "vcl": null,
      }
    }
  ],
  "links": {
    "last": "https://api.fastly.com/wafs/rules?page[number]=204&page[size]=1",
    "first": "https://api.fastly.com/wafs/rules?page[number]=1&page[size]=1",
    "next": "https://api.fastly.com/wafs/rules?page[number]=2&page[size]=1"
  }
}
```

GET /wafs/rules/ id

Get a specific rule.  
Authentication

[API token](#).

Parameters

parameter	type	description
filter[configuration_set_id]	string	Optional. Limit rule to a specific configuration set or pass "all" to search all configuration sets, inc
include	array	Include relationships. Optional. Comma separated values. Permitted values: <code>tags</code> , <code>rule_status</code>

Request Example

```
GET /wafs/rules/:id?include=tags HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

▼ Response Example

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

```
{
  "data": {
    "id": "RULE_ID",
    "type": "rule",
    "attributes": {
      "message": "SLR: Xpoze account/user/mail.html reed Parameter SQL Injection",
      "rule_id": "MODSEC_RULE_ID",
      "severity": 2,
    },
    "relationships": {
      "tags": {
        "data": [
          {
            "id": "TAG_ID",
            "type": "tag"
          }
        ]
      }
    }
  }
}
```

**GET** /wafs/rules/ **id** /vcl

Get associated VCL for a specific rule.  
Authentication

[API token.](#)

Request Example

```
GET /wafs/rules/:id/vcl HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

▼ Response Example

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

```
{
  "data": {
    "id": "RULE_ID-vcl",
    "type": "rule_vcl",
    "attributes": {
      "vcl": "sub waf_ruleset {\n  declare local var.postbody STRING;\n  set var.postbody = req.postbody;\n\n  workspace.snapshot;\n  waf.rule_id = 943011;\n\n  call waf_debug_log;\n  workspace.restore;\n  goto WAF_MARKER_0;\n\n  workspace.restore;\n\n  if (waf.logged) {\n    return;\n  }\n}"
    },
    "relationships": {
      "rule": {
        "data": {
          "id": "RULE_ID",
          "type": "rule"
        }
      }
    }
  }
}
```

**GET** /wafs/ **waf\_id** /rules/ **rule\_id** /vcl

Get associated VCL for a specific rule associated with a specific firewall.  
Authentication

[API token.](#)

Request Example

```
GET /wafs/:waf_id/rules/:rule_id/vcl HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

▼ Response Example

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

```
{
  "data": {
    "id": "RULE_ID-WAF_ID-vcl",
    "type": "rule_vcl",
    "attributes": {
      "vcl": "/*\nThis is a report of changes to the rules you have configured when generating\nVCL.  Rules may be edited or removed from the\nconfiguration of your\nWAF.\n\nParanoiaFilter:\n\n    943011: removed due to being above paranoia level 1\n*/\n\nsub waf_rules {\n\n    var.postbody STRING;\n    set var.postbody = req.postbody;\n\n    if (waf.blocked || waf.logged) {\n        return;\n    }\n}"
    },
    "relationships": {
      "rule": {
        "data": {
          "id": "RULE_ID",
          "type": "rule"
        }
      }
    }
  }
}
```

## Rule statuses

A Rule status represents the status of a particular rule for a given firewall. For a rule to be attached to a particular firewall and performing any actions, it must exist.

### Fields

field	type	description
status	string	Describes the behavior for the particular rule within this firewall. Permitted values: <code>log</code> , <code>block</code> , and <code>disable</code> .
modsec_rule_id	string	The ModSecurity rule ID.
unique_rule_id	string	The Rule ID.

### Actions

**GET** /service/ **service\_id** /wafs/ **waf\_id** /rule\_statuses

List all rule statuses for a particular service and firewall.  
Authentication

[API token](#).

Parameters

parameter	type	description
filter[status]	string	Limit results to rule statuses with the specified status.
filter[rule][message]	string	Limit results to rule statuses whose rules have the specified message.
filter[rule][rule_id]	string	Limit results to rule statuses whose rules represent the specified ModSecurity <code>rule_id</code> .
filter[rule][tags]	integer	Limit results to rule statuses whose rules relate to the specified tag IDs.
filter[rule][tags][name]	string	Limit results to rule statuses whose rules related to the named tags.
include	array	Include relationships. Optional, comma separated values. Permitted values: <code>tags</code> .
page[size]	integer	Limit the number of returned tags.
page[number]	integer	Request a specific page of tags.

#### Request Example

```
GET /service/:service_id/wafs/:waf_id/rule_statuses?filter[tags][name]=application-FBC%20Market HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

#### ▼ Response Example

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

```

{
  "links": {
    "last": "https://api.fastly.com/service/SERVICE_ID/wafs/WAF_ID/rule_statuses?page[number]=1&page[size]=100",
    "first": "https://api.fastly.com/service/SERVICE_ID/wafs/WAF_ID/rule_statuses?page[number]=1&page[size]=100"
  },
  "data": [
    {
      "id": "RULE_STATUS_ID",
      "type": "rule_status",
      "attributes": {
        "status": "log",
        "unique_rule_id": "RULE_ID",
        "modsec_rule_id": "MODSEC_RULE_ID"
      },
      "relationships": {
        "waf": {
          "data": {
            "id": "WAF_ID",
            "type": "waf"
          }
        },
        "rule": {
          "data": {
            "id": "RULE_ID",
            "type": "rule"
          }
        }
      }
    },
    {
      "id": "RULE_STATUS_ID",
      "type": "rule_status",
      "attributes": {
        "status": "disabled",
        "unique_rule_id": "RULE_ID",
        "modsec_rule_id": "MODSEC_RULE_ID"
      },
      "relationships": {
        "waf": {
          "data": {
            "id": "WAF_ID",
            "type": "waf"
          }
        },
        "rule": {
          "data": {
            "id": "RULE_ID",
            "type": "rule"
          }
        }
      }
    },
    {
      "id": "RULE_STATUS_ID",
      "type": "rule_status",
      "attributes": {
        "status": "log",
        "unique_rule_id": "RULE_ID",
        "modsec_rule_id": "MODSEC_RULE_ID"
      },
      "relationships": {
        "waf": {
          "data": {
            "id": "WAF_ID",
            "type": "waf"
          }
        },
        "rule": {
          "data": {
            "id": "RULE_ID",
            "type": "rule"
          }
        }
      }
    }
  ]
}

```

**GET** /service/ **service\_id** /wafs/ **waf\_id** /rules/ **rule\_id** /rule\_status

Get a specific rule status object for a particular service, firewall, and rule.

Authentication

[API token](#).

Request Example

```
GET /service/:service_id/wafs/:waf_id/rules/:rule_id/rule_status HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

▼ Response Example

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

{
  "data": {
    "id": "RULE_STATUS_ID",
    "type": "rule_status",
    "attributes": {
      "status": "log",
      "unique_rule_id": "RULE_ID",
      "modsec_rule_id": "MODSEC_RULE_ID"
    },
    "relationships": {
      "rule": {
        "data": [
          {
            "id": "RULE_ID",
            "type": "rule"
          }
        ]
      },
      "waf": {
        "data": [
          {
            "id": "WAF_ID",
            "type": "waf"
          }
        ]
      }
    }
  }
}
```

**PATCH** /service/ **service\_id** /wafs/ **waf\_id** /rules/ **rule\_id** /rule\_status

Update a rule status for a particular service, firewall, and rule.

Authentication

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

Request Example

```
PATCH /service/:service_id/wafs/:waf_id/rules/:rule_id/rule_status HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json
```

```
{
  "data": {
    "id": "RULE_STATUS_ID",
    "type": "rule_status",
    "attributes": {
      "status": "block"
    }
  }
}
```

▼ Response Example

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

```
{
  "data": {
    "id": "RULE_STATUS_ID",
    "type": "rule_status",
    "attributes": {
      "status": "block",
      "unique_rule_id": "RULE_ID",
      "modsec_rule_id": "MODSEC_RULE_ID"
    }
  }
}
```

**POST** /service/ **service\_id** /wafs/ **waf\_id** /rule\_statuses

Create or update all rule statuses for a particular service and firewall, based on tag name. By default, only rule status for enabled rules (with `enabled` attribute set to `true`) will be updated. To update rule statuses for disabled rules under the specified tag, use the `force` attribute.

Authentication

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

Parameters

parameter	type	description
name	string	The tag name to use to determine the set of rules to update. For example, <code>OWASP</code> or <code>language-php</code> .
force	boolean	Whether or not to update rule statuses for disabled rules. Optional.

Request Example

```
POST /service/:service_id/wafs/:waf_id/rule_statuses HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json
```

```
{
  "data": {
    "type": "rule_status",
    "attributes": {
      "status": "block",
      "name": "application-FBC Market",
      "force": true
    }
  }
}
```

▼ Response Example

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

```
{
  "data": [
    {
      "id": "RULE_STATUS_ID",
      "type": "rule_status",
      "attributes": {
        "status": "block",
        "unique_rule_id": "RULE_ID",
        "modsec_rule_id": "MODSEC_RULE_ID"
      },
      "relationships": {
        "waf": {
          "data": {
            "id": "WAF_ID",
            "type": "waf"
          }
        },
        "rule": {
          "data": {
            "id": "RULE_ID",
            "type": "rule"
          }
        }
      }
    }
  ]
}
```

## Rule sets

Retrieve the currently deployed WAF ruleset VCL and the date it was deployed.

### Fields

field	type	description
last_push	string	Date and time WAF ruleset VCL was last deployed.
vcl	string	The WAF ruleset VCL currently deployed.

### Actions

**GET** /service/ **service\_id** /wafs/ **waf\_id** /ruleset

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

Authentication

[API token.](#)

Parameters

parameter	type	description
service_id	string	The ID of the service.
waf_id	string	The firewall ID.

#### Request Example

```
GET /service/:service_id/wafs/:waf_id/ruleset HTTP/1.1  
Fastly-Key: YOUR_FASTLY_TOKEN  
Accept: application/vnd.api+json
```

#### ▼ Response Example

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

```
{  
  "data": {  
    "id": "RULESET_ID",  
    "type": "ruleset",  
    "attributes": {  
      "last_push": "2016-08-16 17:05:13 UTC",  
      "vcl": "sub waf_ruleset {\n\n}"  
    }  
  }  
}
```

**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 them. 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 response.

Authentication

[API token.](#)

Parameters

parameter	type	description
service_id	string	The ID of the service.
waf_id	string	The firewall ID.

#### Request Example

```
GET /service/:service_id/wafs/:waf_id/ruleset/preview HTTP/1.1  
Fastly-Key: YOUR_FASTLY_TOKEN  
Accept: application/vnd.api+json
```

#### ▼ Response Example

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

```
{
  "data": {
    "id": "RULESET_ID",
    "type": "ruleset",
    "attributes": {},
    "links": {
      "related": {
        "href": "https://api.fastly.com/service/SERVICE_ID/wafs/WAF_ID/update_statuses/UPDATE_STATUS_ID"
      }
    }
  },
  "meta": {
    "warnings": {
      "title": "Generating preview ruleset VCL for WAF_ID",
      "detail": "Please check the data field for generated preview VCL once the background job completes."
    }
  }
}
```

**PATCH** /service/ **service\_id** /wafs/ **waf\_id** /ruleset

Update the WAF ruleset for a particular service and firewall object. Use the URL in the response to view the WAF ruleset deploy status.  
Authentication

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

Request Example

```
PATCH /service/:service_id/wafs/:waf_id/ruleset HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Content-Type: application/vnd.api+json
Accept: application/vnd.api+json
```

```
{
  "data": {
    "id": "RULESET_ID",
    "type": "ruleset"
  }
}
```

▼ Response Example

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

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

## Tags

Tags for categorizing WAF rules. Tags can be filtered by name.

### Fields

field	type	description
name	string	Name of the tag.

### Actions

**GET** /wafs/tags



List all tags.

Authentication

[API token.](#)

Parameters

parameter	type	description
filter[name]	<i>string</i>	Limit the returned tags to a specific name.
page[size]	<i>integer</i>	Limit the number of returned tags.
page[number]	<i>integer</i>	Request a specific page of tags.
include	<i>array</i>	Include relationships. Optional, comma separated values. Permitted values: <code>rules</code> .

Request Example

```
GET /wafs/tags?filter[name]=application-FBC%20Market&include=rules HTTP/1.1  
Fastly-Key: YOUR_FASTLY_TOKEN  
Accept: application/vnd.api+json
```

▼ Response Example

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

```
{
  "links": {
    "next": "https://api.fastly.com/wafs/tags?page[number]=2&page[size]=100",
    "last": "https://api.fastly.com/wafs/tags?page[number]=201&page[size]=100",
    "first": "https://api.fastly.com/wafs/tags?page[number]=1&page[size]=100"
  },
  "data": [
    {
      "id": "TAG_ID",
      "type": "tag",
      "attributes": {
        "name": "OWASP"
      },
      "relationships": {
        "rules": {
          "data": [
            {
              "id": "RULE_ID",
              "type": "rule"
            },
            {
              "id": "RULE_ID",
              "type": "rule"
            },
            {
              "id": "RULE_ID",
              "type": "rule"
            },
            {
              "id": "RULE_ID",
              "type": "rule"
            }
          ]
        }
      }
    },
    {
      "id": "TAG_ID",
      "type": "tag",
      "attributes": {
        "name": "WASCTC/WASC-37"
      },
      "relationships": {
        "rules": {
          "data": [
            {
              "id": "RULE_ID",
              "type": "rule"
            },
            {
              "id": "RULE_ID",
              "type": "rule"
            },
            {
              "id": "RULE_ID",
              "type": "rule"
            },
            {
              "id": "RULE_ID",
              "type": "rule"
            }
          ]
        }
      }
    }
  ]
}
```

## Configuration sets

Configuration sets are used to view and select the available versions of the Fastly WAF rules.

### Fields

field	type	description
active	boolean	The active configuration set is the default configuration set when creating a new WAF. When Fastly adds configurations, new versions become the default (active).

field	type	description
name	string	The name of the configuration set.

## Actions

**GET** /wafs/configuration\_sets

List all Configuration sets.

Authentication

[API token.](#)

**Request Example**

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

▼ **Response Example**

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

```
{
  "data": [{
    "id": "CONFIGURATION_SET_ID",
    "type": "configuration_set",
    "attributes": {
      "active": true,
      "name": "v2 2017-04-17T21:04:00+00:00"
    }
  },
  {
    "id": "CONFIGURATION_SET_ID",
    "type": "configuration_set",
    "attributes": {
      "active": false,
      "name": "v1 2017-02-17T21:04:00+00:00"
    }
  }
],
  "links": {
    "last": "http://api.fastly.com/wafs/configuration_sets?page[number]=1&page[size]=100",
    "first": "http://api.fastly.com/wafs/configuration_sets?page[number]=1&page[size]=100"
  }
}
```

**GET** /wafs/configuration\_sets/**id** /relationships/wafs

List the WAF objects currently using the specified configuration set.

Authentication

[API token.](#)

**Request Example**

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

▼ **Response Example**

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

```
{
  "data": [{
    "id": "WAF_ID",
    "type": "waf"
  }],
  "links": {
    "first": "http://api.fastly.com/wafs/configuration_sets/CONFIGURATION_SET_ID/relationships/wafs?page[number]=1&page[size]=100",
    "last": "http://api.fastly.com/wafs/configuration_sets/CONFIGURATION_SET_ID/relationships/wafs?page[number]=1&page[size]=100"
  }
}
```

**PATCH** /wafs/configuration\_sets/**id** /relationships/wafs

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

Authentication

[API token](#) of a user with at least `Engineer_permissions`.

Request Example

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

{
  "data": [
    {
      "id": "WAF_ID",
      "type": "waf"
    },
    {
      "id": "WAF_ID",
      "type": "waf"
    }
  ]
}
```

▼ Response Example

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

{
  "data": [
    {
      "id": "WAF_ID",
      "type": "waf"
    },
    {
      "id": "WAF_ID",
      "type": "waf"
    }
  ],
  "links": {
    "first": "http://api.fastly.com/wafs/configuration_sets/CONFIGURATION_SET_ID/relationships/wafs?page[number]=1&page[size]=1",
    "last": "http://api.fastly.com/wafs/configuration_sets/CONFIGURATION_SET_ID/relationships/wafs?page[number]=1&page[size]=1"
  }
}
```

## Update statuses

Update status indicates the status of an asynchronous process for updating a firewall object.

### Fields

field	type	description
completed_at	string	Date and time that job was completed.
created_at	string	Date and time that job was created.
data	string	This field can contain data passed to the background worker as well as output from the background job.
message	string	Message with information about the status of the update.
status	string	Current status of the update.
updated_at	string	Date and time that job was last updated.

### Actions

**GET** /service/ **service\_id** /wafs/ **waf\_id** /update\_statuses

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

Authentication

[API token](#).

Parameters

parameter	type	description
page[size]	<i>integer</i>	Limit the number of returned tags.
page[number]	<i>integer</i>	Request a specific page of tags.
include	<i>string</i>	Include relationships. Optional, comma separated values. Permitted values: <code>waf</code> .

Request Example

```
GET /service/:service_id/wafs/:waf_id/update_statuses HTTP/1.1
Fastly-Key: YOUR_FASTLY_TOKEN
Accept: application/vnd.api+json
```

▼ Response Example

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

{
  "links": {
    "last": "https://api.fastly.com/service/SERVICE_ID/wafs/WAF_ID/update_statuses",
    "next": "https://api.fastly.com/service/SERVICE_ID/wafs/WAF_ID/update_statuses",
    "first": "https://api.fastly.com/service/SERVICE_ID/wafs/WAF_ID/update_statuses"
  },
  "data": [
    {
      "id": "UPDATE_STATUS_ID",
      "type": "waf_update_status",
      "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": {
            "id": "WAF_ID",
            "type": "waf"
          }
        }
      }
    },
    {
      "id": "UPDATE_STATUS_ID",
      "type": "waf_update_status",
      "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": {
            "id": "WAF_ID",
            "type": "waf"
          }
        }
      }
    }
  ]
}
```

**GET** /service/ **service\_id** /wafs/ **waf\_id** /update\_statuses/ **update\_status\_id**

Get a specific update status object for a particular service and firewall object.  
Authentication

[API token](#).

Request Example

**GET** /service/:service\_id/wafs/:waf\_id/update\_statuses/:update\_status\_id **HTTP/1.1**  
**Fastly-Key:** YOUR\_FASTLY\_TOKEN  
**Accept:** application/vnd.api+json

▼ Response Example

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

```
{
  "data": {
    "id": "UPDATE_STATUS_ID",
    "type": "waf_update_status",
    "attributes": {
      "completed_at": "2016-09-09 16:10:49 UTC",
      "created_at": "2016-09-09 16:10:49 UTC",
      "data": null,
      "message": null,
      "status": "complete",
      "updated_at": "2016-09-09 16:10:49 UTC"
    },
    "relationships": {
      "waf": {
        "data": {
          "id": "WAF_ID",
          "type": "waf"
        }
      }
    }
  }
}
```

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