

REST API endpoints for API Insights

View statistics about how your organization is using the API

Get route stats by actor

View API request count statistics for an actor broken down by route within a specified time frame.

Fine-grained access tokens for "Get route stats by actor"

This endpoint works with the following fine-grained token types:

- [GitHub App user access tokens](#)
- [GitHub App installation access tokens](#)
- [Fine-grained personal access tokens](#)

The fine-grained token must have the following permission set:

- "API Insights" organization permissions (read)

Parameters for "Get route stats by actor"

Headers

accept string

Setting to `application/vnd.github+json` is recommended.

Path parameters

org string **Required**

The organization name. The name is not case sensitive.

actor_type string **Required**

The type of the actor

Can be one of: `installations` , `classic_pats` , `fine_grained_pats` , `oauth_apps` , `github_apps_user_to_server`

actor_id integer **Required**

The ID of the actor

Query parameters

min_timestamp string **Required**

The minimum timestamp to query for stats

max_timestamp string **Required**

The maximum timestamp to query for stats

page integer

The page number of the results to fetch. For more information, see "[Using pagination in the REST API](#)."

Default: 1

per_page integer

The number of results per page (max 100). For more information, see "[Using pagination in the REST API](#)."

Default: 30

direction string

The direction to sort the results by.

Default: `desc`

Can be one of: `asc` , `desc`

sort array

The property to sort the results by.

HTTP response status codes for "Get route stats by actor"

Status code	Description
200	OK

Code samples for "Get route stats by actor"

Request example

```
GET /orgs/{org}/insights/api/route-stats/{actor_type}/{actor_id}
```

cURL JavaScript GitHub CLI



```
curl -L \
-H "Accept: application/vnd.github+json" \
-H "Authorization: Bearer <YOUR-TOKEN>" \
-H "X-GitHub-API-Version: 2022-11-28" \
"https://api.github.com/orgs/ORG/insights/api/route-stats/ACTOR_TYPE/ACTOR_ID?
min_timestamp=MIN_TIMESTAMP&max_timestamp=MAX_TIMESTAMP"
```

Response

Example response Response schema

Status: 200

```
[
  {
    "http_method": "GET",
    "api_route": "/repositories/:repository_id",
    "total_request_count": 544665,
    "rate_limited_request_count": 13,
    "min_timestamp": "2022-08-10T15:18:00Z",
    "max_timestamp": "2022-08-10T15:18:00Z"
```

Get subject stats

View API request statistics for all subjects within an organization within a specified time frame. Subjects can be users or GitHub Apps.

Fine-grained access tokens for "Get subject stats"

This endpoint works with the following fine-grained token types:

- [GitHub App user access tokens](#)
- [GitHub App installation access tokens](#)
- [Fine-grained personal access tokens](#)

The fine-grained token must have the following permission set:

- "API Insights" organization permissions (read)

Parameters for "Get subject stats"

Headers

accept string

Setting to `application/vnd.github+json` is recommended.

Path parameters

org string **Required**

The organization name. The name is not case sensitive.

Query parameters

min_timestamp string **Required**

The minimum timestamp to query for stats

max_timestamp string **Required**

The maximum timestamp to query for stats

page integer

The page number of the results to fetch. For more information, see "[Using pagination in the REST API](#)."

Default: 1

per_page integer

The number of results per page (max 100). For more information, see "[Using pagination in the REST API](#)."

Default: 30

direction string

The direction to sort the results by.

Default: desc

Can be one of: asc , desc

sort array

The property to sort the results by.

HTTP response status codes for "Get subject stats"

Status code	Description
200	OK

Code samples for "Get subject stats"

Request example

```
GET /orgs/{org}/insights/api/subject-stats
```

cURL

JavaScript

GitHub CLI



```
curl -L \
  -H "Accept: application/vnd.github+json" \
  -H "Authorization: Bearer <YOUR-TOKEN>" \
  -H "X-GitHub-API-Version: 2022-11-28" \
  "https://api.github.com/orgs/ORG/insights/api/subject-stats?
min_timestamp=MIN_TIMESTAMP&max_timestamp=MAX_TIMESTAMP"
```

Response

Example response

Response schema

Status: 200

```
[
  {
    "subject_type": "installation",
    "subject_id": 954453,
    "subject_name": "GitHub Actions",
    "integration_id": 124345,
    "integration_name": "GitHub Actions"
```

Get summary stats

View overall statistics of API requests made within an organization by all users and apps within a certain time frame.

Fine-grained access tokens for "Get summary stats"

This endpoint works with the following fine-grained token types:

- [GitHub App user access tokens](#)
- [GitHub App installation access tokens](#)
- [Fine-grained personal access tokens](#)

The fine-grained token must have the following permission set:

- "API Insights" organization permissions (read)

Parameters for "Get summary stats"

Headers

accept string

Setting to `application/vnd.github+json` is recommended.

Path parameters

org string Required

The organization name. The name is not case sensitive.

Query parameters

min_timestamp string Required

The minimum timestamp to query for stats

max_timestamp string Required

The maximum timestamp to query for stats

HTTP response status codes for "Get summary stats"

Status code	Description
200	OK

Code samples for "Get summary stats"


Request example

GET /orgs/{org}/insights/api/summary-stats

cURL

JavaScript

GitHub CLI



```
curl -L \
-H "Accept: application/vnd.github+json" \
-H "Authorization: Bearer <YOUR-TOKEN>" \
-H "X-GitHub-Api-Version: 2022-11-28" \
"https://api.github.com/orgs/ORG/insights/api/summary-stats?
min_timestamp=MIN_TIMESTAMP&max_timestamp=MAX_TIMESTAMP"
```

Response

Example response

Response schema

Status: 200

```
{
  "total_request_count": 34225,
  "rate_limited_request_count": 23
}
```

Get summary stats by user

View overall statistics of API requests within the organization for a user

Fine-grained access tokens for "Get summary stats by user"

This endpoint works with the following fine-grained token types:

- [GitHub App user access tokens](#)
- [GitHub App installation access tokens](#)
- [Fine-grained personal access tokens](#)

The fine-grained token must have the following permission set:

- "API Insights" organization permissions (read)

Parameters for "Get summary stats by user"

Headers

accept string

Setting to `application/vnd.github+json` is recommended.

Path parameters

org string **Required**

The organization name. The name is not case sensitive.

user_id string Required

The ID of the user to query for stats

Query parameters

min_timestamp string Required

The minimum timestamp to query for stats

max_timestamp string Required

The maximum timestamp to query for stats

HTTP response status codes for "Get summary stats by user"

Status code	Description
200	OK

Code samples for "Get summary stats by user"

Request example

```
GET /orgs/{org}/insights/api/summary-stats/users/{user_id}
```

cURL

JavaScript

GitHub CLI



```
curl -L \
  -H "Accept: application/vnd.github+json" \
  -H "Authorization: Bearer <YOUR-TOKEN>" \
  -H "X-GitHub-API-Version: 2022-11-28" \
  "https://api.github.com/orgs/ORG/insights/api/summary-stats/users/USER_ID?
min_timestamp=MIN_TIMESTAMP&max_timestamp=MAX_TIMESTAMP"
```

Response

Example response

Response schema

Status: 200

```
{
  "total_request_count": 34225,
  "rate_limited_request_count": 23
}
```

Get summary stats by actor

View overall statistics of API requests within the organization made by a specific actor. Actors can be GitHub App Installations, OAuth Apps or other tokens on behalf of a user.

Fine-grained access tokens for "Get summary stats by actor"

This endpoint works with the following fine-grained token types:

- [GitHub App user access tokens](#)
- [GitHub App installation access tokens](#)
- [Fine-grained personal access tokens](#)

The fine-grained token must have the following permission set:

- "API Insights" organization permissions (read)

Parameters for "Get summary stats by actor"

Headers

accept string

Setting to `application/vnd.github+json` is recommended.

Path parameters

org string Required

The organization name. The name is not case sensitive.

actor_type string Required

The type of the actor

Can be one of: `installations` , `classic_pats` , `fine_grained_pats` , `oauth_apps` , `github_apps_user_to_server`

actor_id integer Required

The ID of the actor

Query parameters

min_timestamp string Required

The minimum timestamp to query for stats

max_timestamp string Required

The maximum timestamp to query for stats

HTTP response status codes for "Get summary stats by actor"

Status code	Description
200	OK

Code samples for "Get summary stats by actor"

Request example

GET /orgs/{org}/insights/api/summary-stats/{actor_type}/{actor_id}

cURL

JavaScript

GitHub CLI

```
curl -L \
-H "Accept: application/vnd.github+json" \
-H "Authorization: Bearer <YOUR-TOKEN>" \
-H "X-GitHub-API-Version: 2022-11-28" \
"https://api.github.com/orgs/ORG/insights/api/summary-stats/ACTOR_TYPE/ACTOR_ID?
min_timestamp=MIN_TIMESTAMP&max_timestamp=MAX_TIMESTAMP"
```

Response

Example response

Response schema

Status: 200

```
{
  "total_request_count": 34225,
  "rate_limited_request_count": 23
}
```

Get time stats

View the number of API requests and rate limited requests made within an organization over a specified time period.

Fine-grained access tokens for "Get time stats"

This endpoint works with the following fine-grained token types:

- [GitHub App user access tokens](#)
- [GitHub App installation access tokens](#)
- [Fine-grained personal access tokens](#)

The fine-grained token must have the following permission set:

- "API Insights" organization permissions (read)

Parameters for "Get time stats"

Headers

accept string

Setting to `application/vnd.github+json` is recommended.

Path parameters

org string **Required**

The organization name. The name is not case sensitive.

Query parameters

min_timestamp string **Required**

The minimum timestamp to query for stats

max_timestamp string **Required**

The maximum timestamp to query for stats

timestamp_increment string **Required**

The increment of time used to breakdown the query results (5m, 10m, 1h, etc.)

HTTP response status codes for "Get time stats"

Status code	Description
200	OK

Code samples for "Get time stats"

Request example

GET /orgs/{org}/insights/api/time-stats

cURL

JavaScript

GitHub CLI



```
curl -L \
-H "Accept: application/vnd.github+json" \
-H "Authorization: Bearer <YOUR-TOKEN>" \
-H "X-GitHub-API-Version: 2022-11-28" \
"https://api.github.com/orgs/ORG/insights/api/time-stats?
min_timestamp=MIN_TIMESTAMP&max_timestamp=MAX_TIMESTAMP&timestamp_increment=TIMESTAMP_INCREMENT"
```

Response

Example response

Response schema

Status: 200

```
[
  {
    "timestamp": "2024-09-11T15:00:00Z",
    "total_request_count": 34225,
    "rate_limited_request_count": 0
  },
  {
```

Get time stats by user

View the number of API requests and rate limited requests made within an organization by a specific user over a specified time period.

Fine-grained access tokens for "Get time stats by user"

This endpoint works with the following fine-grained token types:

- [GitHub App user access tokens](#)
- [GitHub App installation access tokens](#)
- [Fine-grained personal access tokens](#)

The fine-grained token must have the following permission set:

- "API Insights" organization permissions (read)

Parameters for "Get time stats by user"

Headers

accept string

Setting to `application/vnd.github+json` is recommended.

Path parameters

org string **Required**

The organization name. The name is not case sensitive.

user_id string **Required**

The ID of the user to query for stats

Query parameters

min_timestamp string **Required**

The minimum timestamp to query for stats

max_timestamp string **Required**

The maximum timestamp to query for stats

timestamp_increment string **Required**

The increment of time used to breakdown the query results (5m, 10m, 1h, etc.)

HTTP response status codes for "Get time stats by user"

Status code	Description
200	OK

Code samples for "Get time stats by user"

Request example

```
GET /orgs/{org}/insights/api/time-stats/users/{user_id}
```

cURL JavaScript GitHub CLI



```
curl -L \
  -H "Accept: application/vnd.github+json" \
  -H "Authorization: Bearer <YOUR-TOKEN>" \
  -H "X-GitHub-API-Version: 2022-11-28" \
  "https://api.github.com/orgs/ORG/insights/api/time-stats/users/USER_ID?
min_timestamp=MIN_TIMESTAMP&max_timestamp=MAX_TIMESTAMP&timestamp_increment=TIMESTAMP_INCREMENT"
```

Response

Example response Response schema

Status: 200

```
[
  {
    "timestamp": "2024-09-11T15:00:00Z",
    "total_request_count": 34225,
    "rate_limited_request_count": 0
  },
  {
```

Get time stats by actor

View the number of API requests and rate limited requests made within an organization by a specific actor over a specified time period.

Fine-grained access tokens for "Get time stats by actor"

This endpoint works with the following fine-grained token types:

- [GitHub App user access tokens](#)
- [GitHub App installation access tokens](#)
- [Fine-grained personal access tokens](#)

The fine-grained token must have the following permission set:

- "API Insights" organization permissions (read)

Parameters for "Get time stats by actor"

Headers

accept string

Setting to `application/vnd.github+json` is recommended.

Path parameters

org string **Required**

The organization name. The name is not case sensitive.

actor_type string **Required**

The type of the actor

Can be one of: `installations` , `classic_pats` , `fine_grained_pats` , `oauth_apps` , `github_apps_user_to_server`

actor_id integer **Required**

The ID of the actor

Query parameters

min_timestamp string Required

The minimum timestamp to query for stats

max_timestamp string Required

The maximum timestamp to query for stats

timestamp_increment string Required

The increment of time used to breakdown the query results (5m, 10m, 1h, etc.)

HTTP response status codes for "Get time stats by actor"

Status code	Description
200	OK

Code samples for "Get time stats by actor"

Request example

```
GET /orgs/{org}/insights/api/time-stats/{actor_type}/{actor_id}
```

cURL

JavaScript

GitHub CLI



```
curl -L \
  -H "Accept: application/vnd.github+json" \
  -H "Authorization: Bearer <YOUR-TOKEN>" \
  -H "X-GitHub-API-Version: 2022-11-28" \
  "https://api.github.com/orgs/ORG/insights/api/time-stats/ACTOR_TYPE/ACTOR_ID?
min_timestamp=MIN_TIMESTAMP&max_timestamp=MAX_TIMESTAMP&timestamp_increment=TIMESTAMP_INCREM
ENT"
```

Response

Example response

Response schema

Status: 200

```
[
  {
    "timestamp": "2024-09-11T15:00:00Z",
    "total_request_count": 34225,
    "rate_limited_request_count": 0
  },
  {
```

Get user stats

View API usage statistics within an organization for a user broken down by the type of access.

Fine-grained access tokens for "Get user stats"

This endpoint works with the following fine-grained token types:

- [GitHub App user access tokens](#)
- [GitHub App installation access tokens](#)
- [Fine-grained personal access tokens](#)

The fine-grained token must have the following permission set:

- "API Insights" organization permissions (read)

Parameters for "Get user stats"

Headers

accept string

Setting to `application/vnd.github+json` is recommended.

Path parameters

org string **Required**

The organization name. The name is not case sensitive.

user_id string Required

The ID of the user to query for stats

Query parameters

min_timestamp string Required

The minimum timestamp to query for stats

max_timestamp string Required

The maximum timestamp to query for stats

page integer

The page number of the results to fetch. For more information, see "[Using pagination in the REST API](#)."

Default: 1

per_page integer

The number of results per page (max 100). For more information, see "[Using pagination in the REST API](#)."

Default: 30

direction string

The direction to sort the results by.

Default: desc

Can be one of: asc , desc

sort array

The property to sort the results by.

HTTP response status codes for "Get user stats"

Status code	Description
200	OK

Code samples for "Get user stats"

Request example

```
GET /orgs/{org}/insights/api/user-stats/{user_id}
```

cURL

JavaScript

GitHub CLI



```
curl -L \
-H "Accept: application/vnd.github+json" \
-H "Authorization: Bearer <YOUR-TOKEN>" \
-H "X-GitHub-API-Version: 2022-11-28" \
"https://api.github.com/orgs/ORG/insights/api/user-stats/USER_ID?
min_timestamp=MIN_TIMESTAMP&max_timestamp=MAX_TIMESTAMP"
```

Response

Example response

Response schema

Status: 200

```
[
  {
    "actor_type": "oauth_app",
    "actor_id": 954453,
    "actor_name": "GitHub Actions",
    "oauth_application_id": 1245,
```