

# Denials API



*This page refers to functionality that has been removed from License Statistics. This information no longer applies to License Statistics v6.3 and newer.*

The Denials endpoint delivers license usage metrics specific to [Denials](#), allowing you to see exactly how many license checkout requests were denied and how often the denials took place.

## Obtaining information about checkout denials

You can easily list denials for given feature that took place by sending the following HTTP request.

```
GET /api/v1/report/feature/${featureId}/denials/${returnType}?sd=${YYYY-MM-DD}&ed=${YYYY-MM-DD}&(additional parameters, as needed)
```

where \$ indicates a variable value that you can replace with a value that best suits your needs. The possible parameters are described below.

Parameter	Required	Type	Description
\${featureId}	Yes	integer	Internal License Statistics identification of the feature for which you want to view denied requests.
\${returnType}	Yes	string	Standard format option. See <a href="#">Making an API request</a> for details.
sd	Yes	date	Start date for which you want to generate the report.
ed	Yes	date	End date for which you want to generate the report. The date is inclusive, meaning that all data from a particular day will be included in the report.
standard report options	No	various	See <a href="#">Making an API request</a> for details.

## Response

On success, report will contain one row for each **denial**, from the given date range. Each row consists of the following columns.

Column	Full name	Type	Description	Visible by default in export
Idt	Date	date and time	Time when the denial took place.	✓ Yes
Idtc	Denials	integer	Number of denied licenses.	✓ Yes
un	User	string	Name of the denied user.	✓ Yes
hn	Host	string	Host from which the denied user tried to check out the license.	✓ Yes

Note that the order in the table is the default order of the columns in the exported file.

## Example 1

The following example shows a command that lets you obtain information about denials for feature "3" over a specified time period.

```
curl --data "sd=2015-01-01" --data "ed=2015-01-02" -H "X-Auth-token: token" "http://yourdomain/api/v1/report/feature/3/denials/json"
```

## Example 2

The following example shows a command that lets you obtain information about all denials for feature "3" over a specified time period, with data ordered by username.

```
curl --data "orderBy=un" --data "orderDirection=ASC" --data "sd=2015-01-01" --data "ed=2015-01-02" -H "X-Auth-token: token" "http://yourdomain/api/v1/report/feature/3/denials/json"
```

## Example 3

The following example shows a command that lets you view the first 100 denials for feature "3" over a specified time period.

```
curl --data "limit=100" --data "offset=0" --data "sd=2015-01-01" --data "ed=2015-01-02" -H "X-Auth-token: token" "http://yourdomain/api/v1/report/feature/3/denials/json"
```

You can also put parameters directly into the URL. For the above example, the command would be similar to the following.

```
curl -H "X-Auth-token: token" "http://yourdomain/api/v1/report/feature/3/denials/json?limit=100&offset=0&sd=2014-12-01&ed=2015-01-02"
```

## Obtaining information about grouped checkout denials

You can easily list the cumulative number of denials for a given feature per fixed time period by sending the following HTTP request.

```
GET /api/v1/report/feature/${featureId}/denials/grouped/${returnType}?sd=${startDate}&ed=${endDate}&grat=${granularity}&(additional parameters, as needed)
```

where \$ indicates a variable value that you can replace with a value that best suits your needs. The possible parameters are described below.

Parameter	Required	Type	Description
\$(featureId)	Yes	integer	Internal License Statistics identification of the feature for which you want to view grouped checkout denials.
\$(returnType)	Yes	string	Standard format option. See <a href="#">Making an API request</a> for details.
sd	Yes	date	Start date from which you want to generate the report.
ed	Yes	date	End date from which you want to generate the report. The date is inclusive, meaning that all data from a particular day will be included in the report.
grat	Yes	enumeration	Period type the result is aggregated for. See <a href="#">granularity descriptions</a> for further details
standard report options	No	various	See <a href="#">Making an API request</a> for details.

### Response

On success, this report will contain one row for each **period** (e.g., each day or week) from the specified date range. Each row consists of the following columns.

Column	Full name	Type	Description	Visible by default in export
Idt	Date	various	The time period. Format depends on <a href="#">granularity</a> .	✓ Yes
Idtc	Denials	string	Cumulative number of denials licenses in the time period for the feature.	✓ Yes

Note that the order in the table is the default order of the columns in the exported file.

### Example 1

The following example shows a command that obtains information about denials for feature "3" grouped by month.

```
curl --data "sd=2015-01-01" --data "ed=2015-01-02" --data "grat=3" -H "X-Auth-token: token" "http://yourdomain/api/v1/report/feature/3/denials/grouped/json"
```

### Example 2

The following example shows a command that lets you see all denials grouped by quarter for feature "3" ordered by the total denial count from highest to lowest.

```
curl --data "orderBy=Idtc" --data "orderDirection=DESC" --data "sd=2014-01-01" --data "ed=2015-01-01" --data "grat=2" -H "X-Auth-token: token" "http://yourdomain/api/v1/report/feature/3/denials/grouped/json"
```

### Example 3

The following example shows a command that lets you view the first 100 denials for feature "3" over a specific time period, grouped by hour.

```
curl --data "limit=100" --data "offset=0" --data "sd=2013-01-01" --data "ed=2015-01-02" --data "grat=6" -H "X-Auth-token: token" "http://yourdomain/api/v1/report/feature/3/denials/grouped/json"
```

You can also put parameters directly into the URL. For the above example, the command would look like the following:

```
curl -H "X-Auth-token: token" "http://yourdomain/api/v1/report/feature/3/denials/grouped/json?limit=5&offset=2&sd=2013-01-01&ed=2015-01-02&grat=6"
```