

# Licenses API. v1.0

Copyright © Riverbed Technology Inc. 2024

Created Jan 16, 2024 at 02:01 PM

# Overview

## Overview

The documentation pages in this section describe the RESTful APIs included with NetProfiler products. It is assumed that the reader has practical knowledge of RESTful APIs, so the documentation does not go into detail about what REST is and how to use it. Instead the documentation focuses on what operations can be performed.

The following operations can be performed via the API:

- Get downloaded licenses.
- Add licenses.
- Delete licenses.
- Fetch license updates.
- Request license token.
- Get auto license download value.
- Set auto license download value.

Details about REST resources can be found in the **Resources** section. This overview continues with how to run these API's.

## Authentication

All REST requests must be authenticated. The **Authentication** section of the Common API describes which authentication methods are presently supported.

## Resources

### licenses: Get licenses

Display all downloaded licenses .

```
GET https://{device}/api/mgmt.licenses/1.0/licenses
```

### Authorization

This request requires authorization.

### Response Body

On success, the server returns a response body with the following structure:

```
JSON
```

```
[
  {
    "key": string,
    "description": string,
    "device serial number": string,
    "installed date": string,
    "status": string
  }
]

Example:
{
  "Licenses": [
    {
      "key": "BAFBG-ABIAA-AAAAA-AAAAA-BRBK6-IAAAA-PU3NC-AK2J6",
      "description": "SteelCentral Virtual Flow Gateway 2M Flows Per Minute Feature Key",
      "device serial number": "AABA-ACAA-4W4C-QVXB",
      "installed date": "Thu, 24 Feb 2022 00:16:43 GMT",
      "status": "Valid"
    },
    {
      "key": "SSIF1-VUDHF-7QGZJ-YUHYW-YYA5J-EK9WS-V4/W4-CC3D6",
      "description": "Unrecognized License",
      "device serial number": "AABA-ACAA-4W4C-QVXB",
      "installed date": "Fri, 25 Feb 2022 01:37:08 GMT",
      "status": "Invalid"
    }
  ]
}
```

Property Name	Type	Description	Notes
<i>response</i>	<array of <object>>	list of downloaded licenses.	
<i>response</i> [item]	<object>	license object	
<i>response</i> [item].key	<string>	license key	
<i>response</i> [item].description	<string>	description	
<i>response</i> [item].device serial number	<string>	device serial number	
<i>response</i> [item].installed date	<string>	installation date	
<i>response</i> [item].status	<string>	status of license	

## licenses: Add licenses

Add licenses.

POST <https://{device}/api/mgmt.licenses/1.0/licenses>

### Authorization

This request requires authorization.

### Request Body

Provide a request body with the following structure:

JSON

```
[
  string
]

Example:
[
  "MMZDK-ZS86U-AVVIP-U82CV-56SXX-AIXT0-VLAPI-7B574",
  "SSIF1-VUDHF-7QGZJ-YUHYW-YYA5J-EK9WS-V4/W4-CC3D6",
  "abcd"
]
```

Property Name	Type	Description	Notes
<i>request</i>	<array of <string>>	List of license keys to add.	
<i>request</i> [item]	<string>	License key	

## Response Body

On success, the server returns a response body with the following structure:

JSON

```
[
  {
    "<license key>": string
  }
]
```

Example:

```
[
  {
    "MMZDK-ZS86U-AVVIP-U82CV-56SXX-AIXT0-VLAPI-7B574": "success"
  },
  {
    "SSIF1-VUDHF-7QGZJ-YUHYW-YYA5J-EK9WS-V4/W4-CC3D6": "success"
  },
  {
    "abcd": "License key format not supported"
  }
]
```

Property Name	Type	Description	Notes
<i>response</i>	<i>&lt;array of &lt;object&gt;&gt;</i>	list of results of each license key	
<i>response[item]</i>	<i>&lt;object&gt;</i>		
<i>response[item].&lt;license key&gt;</i>	<i>&lt;string&gt;</i>		

## licenses: Delete licenses

Delete licenses

```
DELETE https://{device}/api/mgmt.licenses/1.0/licenses
```

## Authorization

This request requires authorization.

## Request Body

Provide a request body with the following structure:

JSON

```
[
  string
]
```

Example:

```
[
  {
    "MMZDK-ZS86U-AVVIP-U82CV-56SXX-AIXT0-VLAPI-7B574": "success"
  },
  {
    "SSIF1-VUDHF-7QGZJ-YUHYW-YYA5J-EK9WS-V4/W4-CC3D": "License key format not supported"
  }
]
```

Property Name	Type	Description	Notes
<i>request</i>	<i>&lt;array of &lt;string&gt;&gt;</i>	List of license keys to delete.	
<i>request[item]</i>	<i>&lt;string&gt;</i>	License key	

## Response Body

On success, the server returns a response body with the following structure:

JSON

```
[
  {
    "<license key>": string
  }
]

Example:
[
  {
    "MMZDK-ZS86U-AVVIP-U82CV-56SXX-AIXT0-VLAPI-7B574": "success"
  },
  {
    "SSIF1-VUDHF-7QGZJ-YUHYW-YYA5J-EK9WS-V4/W4-CC3D": "License key format not supported"
  }
]
```

Property Name	Type	Description	Notes
<i>response</i>	<array of <object>>	list of results of each license key	
<i>response[item]</i>	<object>		
<i>response[item].&lt;license key&gt;</i>	<string>		

## licenses: Fetch licenses

GET https://{device}/api/mgmt.licenses/1.0/licenses/fetch

### Authorization

This request requires authorization.

### Response Body

On success, the server returns a response body with the following structure:

JSON

```
{
  "Message": string
}

Example:
{
  "Message": "Could not contact license server or there are currently no licenses available for this host."
}
```

Property Name	Type	Description	Notes
<i>response</i>	<object>	Outcome of fetch operation.	
<i>response.Message</i>	<string>		

## licenses: Request license activation code

POST https://{device}/api/mgmt.licenses/1.0/licenses/request

### Authorization

This request requires authorization.

### Request Body

Provide a request body with the following structure:

JSON

```

{
  "value": string
}

Example:
{
  "value": "abcd1234"
}

```

Property Name	Type	Description	Notes
<i>request</i>	<object>	Enter a token that you receive when you purchase the license.	
<i>request.value</i>	<string>		

## Response Body

On success, the server returns a response body with the following structure:

### JSON

```

{
  "Message": string
}

Example:
{
  "Message": "Invalid token abcd1234"
}

```

Property Name	Type	Description	Notes
<i>response</i>	<object>	Generates a license activation code token that you receive when you purchase the license.	
<i>response.Message</i>	<string>		

## licenses: Get auto download value

Get value of auto download feature.

```
GET https://{device}/api/mgmt.licenses/1.0/licenses/auto_download
```

## Authorization

This request requires authorization.

## Response Body

On success, the server returns a response body with the following structure:

### JSON

```

{
  "value": string
}

Example:
{
  "value": "true"
}

```

Property Name	Type	Description	Notes
<i>response</i>	<object>		
<i>response.value</i>	<string>		

## licenses: Set auto download value

Set value of auto download feature.

```
POST https://{device}/api/mgmt.licenses/1.0/licenses/auto_download
```

## Authorization

This request requires authorization.

## Request Body

Provide a request body with the following structure:

JSON

```
{  
  "value": string  
}
```

Example:

```
{  
  "value": "true"  
}
```

Property Name	Type	Description	Notes
<i>request</i>	<i>&lt;object&gt;</i>		
<i>request.value</i>	<i>&lt;string&gt;</i>		

## Response Body

On success, the server does not provide any body in the responses.

## Error Codes

In the event that an error occurs while processing a request, the server will respond with appropriate HTTP status code and additional information in the response body:

```
{  
  "error_id": "{error identifier}",  
  "error_text": "{error description}",  
  "error_info": {error specific data structure, optional}  
}
```

The table below lists the possible errors and the associated HTTP status codes that may returned.

Error ID	HTTP Status	Comments
BAD_REQUEST	400	Invalid argument.
AUTH_REQUIRED	401	Authentication required.
AUTH_INVALID_CREDENTIALS	401	Make sure the user name is correct and type your password again. Be sure to use the correct case for the user name and password.
HTTP_INVALID_METHOD	405	Requested method is not available for this resource.
INTERNAL_ERROR	500	Internal error.