



Splunk® Enterprise Admin Manual 8.0.2

Manage licenses from the CLI

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Manage licenses from the CLI

This topic describes how to use Splunk CLI commands to monitor and manage your licenses. It covers some of the main uses and options of the CLI licensing commands. The definitive reference to any CLI command is the command's online help.

For general information on the Splunk CLI, see "About the CLI".

For information on managing licenses through Splunk's REST API, refer to "Licenses" in the REST API Reference Manual.

CLI license commands and objects

You can use the CLI to add, edit, list, and remove licenses and license-related objects. The available commands are:

Command	Object(s)	Description
add	licenses, licenser-pools	Add a license or a pool of licenses to a license stack. This command is only available if you have an Enterprise license.
edit	licenser-localslave, licenser-pools	Edit the attributes of a license slave or a pool of licenses. This command is only available if you have an Enterprise license.
list	licenser-groups, licenser-localslave, licenser-messages, licenser-pools, licenser-slaves, licenser-stacks, licenses	Depending on the object specified, lists either the attributes of that object or members of that object.
remove	licenser-pools, licenses	Remove licenses or license pools from a license stack.

License-related objects are:

Object	Description
licenser-groups	The set of available license groups.
licenser-localslave	A local license slave's configuration.
licenser-messages	Any alerts or warnings about the state of your licenses.
licenser-pools	The set of license pools.
licenser-slaves	All the slaves that have contacted the license master.
licenser-stacks	A stack of licenses.
licenses	The set of licenses for this Splunk instance.

Common license-related tasks

The following are examples of common license-related tasks that you can perform with the CLI.

Manage licenses

To add a new license to the license stack, specify the path to the license file:

```
splunk add licenses $SPLUNK_HOME/etc/licenses/enterprise/enterprise.lic
```

To list all the licenses in a license stack:

```
splunk list licenses
```

The `splunk list` command also displays the properties of each license, including the features it enables (`features`), the license group and stack it belongs to (`group_id`, `stack_id`), the indexing quota it allows (`quota`), and the license key that is unique for each license (`license_hash`).

If a license expires, you can remove it from the license stack. To remove a license from the license stack, specify the license's hash:

```
splunk remove licenses BM+S8VetLnQEb1F+5Gwx9rR4M4Y91AkIE=781882C56833F36D
```

Manage license pools

You can create a license pool from licenses in a license stack (if you have an Enterprise license). A license stack can be divided into multiple license pools. Multiple license slaves can share the quota of the pool.

To see all the license pools in all the license stacks:

```
splunk list licenser-pools
```

To add a license pool to the stack, you need to: name the pool, specify the stack that you want to add it to, and specify the indexing volume allocated to that pool:

```
splunk add licenser-pools pool01 -quota 10mb -slaves guid1,guid2 -stack_id enterprise
```

You can also specify a description for the pool and the slaves that are members of the pool (these are optional).

You can edit the license pool's description, indexing quota, and slaves. For example, assuming you created pool01 in the previous example:

```
splunk edit licenser-pools pool01 -description "Test" -quota 15mb -slaves guid3,guid4 -append_slaves true
```

This adds a description for the pool, "Test", changes the quota from 10mb to 15mb, and adds slaves guid3 and guid4 to the pool. The slaves with guid1 and guid2, which you added in the previous example, continue to have access to the pool.

To remove a license pool from a stack:

```
splunk remove licenser-pools pool01
```

Manage license slaves

A license slave accesses license quota from one or more license pools. The license master controls the access .

To list all the license slaves that have contacted the license master:

```
splunk list licenser-slaves
```

To list all the properties of the local license slave:

```
splunk list licenser-localslave
```

To add a license slave, edit the attributes of that local license slave node (specify the uri of the license master or 'self'):

```
splunk edit licenser-localslave -master_uri 'https://master:port'
```

Monitor license status

You can use the `splunk list` command to view messages (alerts or warnings) about the state of your licenses.

```
splunk list licenser-messages
```