

# tsm licenses

You can use the `tsm licenses` commands to manage server license tasks like activating or deactivating a [Tableau Server] product key on- or off-line, and getting associated files for offline activation or deactivation.

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## tsm licenses activate

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Activates a [Tableau Server] product key.

If the computer where you are running Tableau Server has been configured to connect to the internet through a forward proxy, follow the procedure in the topic, [Configure Product Key Operations with Forward Proxy](#), before running this command.

### Synopsis

```
tsm licenses activate --license-key <product-key> [global options]
```

### Options

-f, --license-file <file.tlf>

Required if doing offline activation.

Specifies the license file (<file>.tlf) used for offline activation.

-k, --license-key <product-key>

Required if activating a valid product key.

Specifies the product key to use for online activation.

-t, --trial

Required if activating a trial license.

Activate a trial license.

## tsm licenses deactivate

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Deactivates a [Tableau Server] product key either online or offline.

If the computer where you are running Tableau Server has been configured to connect to the internet through a forward proxy, follow the procedure in the topic, [Configure Product Key Operations with Forward Proxy](#), before running this command.

### Synopsis

```
tsm licenses deactivate --license-key <product-key> [global options]
```

### Options

-f, --license-file <return\_file.tlr>

Required if doing offline deactivation.

Specifies the license file (<file>.tlf) used for offline deactivation.

-k, --license-key <product-key>

Required if deactivating a product key.

Specifies the product key to use for online deactivation.

### **tsm licenses get-offline-activation-file**

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Generate an offline activate file to use for activating [Tableau Server] offline. To learn more, see [Activate Tableau Server Offline - Adding a License](#).

#### **Synopsis**

```
tsm licenses get-offline-activation-file --license-key <product-key> --output-dir  
<path> [global options]
```

#### **Options**

-k, --license-key <product-key>

Required.

Specifies the product key to use for offline activation.

-o, --output-dir <path>

Required.

The location where the offline activation file should be saved. This location must exist.

### **tsm licenses get-offline-deactivation-file**

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Generate an offline deactivation file to use for deactivating [Tableau Server] offline. To learn more, see [Deactivate Tableau Server Offline](#).

#### **Synopsis**

```
tsm licenses get-offline-deactivation-file --license-key <product-key> --output-dir  
<path> [global options]
```

#### **Options**

-k, --license-key <product-key>

Required.

Specifies the product key to use for offline deactivation.

-o, --output-dir <path>

Required.

The existing location where the offline deactivation file should be saved.

### **tsm licenses list**

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Lists licenses that are activated on the Tableau Server deployment.

For example, a server with five Creator licenses, five Explorer licenses, 100 Viewer licenses, and a Data Management Add-on would provide command output similar to the following:

The following fields are returned:

- **KEY:** A globally unique 16-character string that identifies the license.
- **TYPE:** Describes the type of license
  - **Term:** Term licenses map to a subscription schedule and must be renewed. The expiration date is listed under the LIC EXP field.
  - **Perpetual:** Perpetual licenses are purchased once and do not need to be renewed but must be refreshed to update the MAINT EXP or maintenance expiration date.
  - **Cores:** Core licenses are licenses that map to the number of cores on the computers running specific Tableau Server services. Core licensing allows for a guest user access to views on the server or embedded on other web servers. Core licenses also allow for unlimited Explorer and Viewer users.
- **CREATOR:** The number of Creator licenses issued to the Tableau Server deployment.
- **EXPLORER:** The number of Explorer licenses issued to the Tableau Server deployment.
- **VIEWER:** The number of Viewer licenses issued to the Tableau Server deployment.
- **DATA MANAGEMENT ADD-ON:** Tableau Server is licensed for the Data Management Add-on ( `True` / `False` ). See [About Data Management Add-on](#)
- **GUEST ACCESS:** Tableau Server is licensed for a Guest User. See [Guest User](#) The ability to leverage a Guest User requires Core licensing. See TYPE field.
- **LIC EXP:** The date that the license expires and Tableau Server will stop working. Term licenses expire. See TYPE field. Visit the Tableau [Customer Portal](#)[\(\(Link opens in a new window\)\)](#) to refresh licenses.
- **MAINT EXP:** Applies only to legacy perpetual licenses (TYPE = Perpetual). For Term licenses, this field will output, `N/A` . MAINT EXP displays the date that the maintenance contract for the Tableau Server deployment expires. To update the license maintenance key see [Refresh Expiration Date for the Product Key](#). Visit the Tableau [Customer Portal](#)[\(\(Link opens in a new window\)\)](#) to view maintenance purchase history and to purchase additional maintenance.
- **UPDATABLE:** Specifies whether the license is an updatable subscription license ( `True` / `False` ).
- **LBLM:** Specifies if login-based license management (LBLM) is enabled for the Tableau Server deployment ( `True` / `False` ). When enabled, LBLM allows users to log into Tableau Server to license their instance of Tableau Desktop or Prep, rather than entering a product key. For more information about LBLM, see [Login-based License Management](#)
- **SERVER MANAGEMENT ADD-ON:** Tableau Server is licensed for the Server Management Add-on ( `True` / `False` ). For more information about the Server Management Add-on, see [About Tableau Server Management Add-on](#)

## Synopsis

```
tsm licenses list [global options]
```

## tsm licenses refresh

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Update the maintenance expiration date of all product keys on Tableau Server.

If the computer where you are running Tableau Server has been configured to connect to the internet through a forward proxy, follow the procedure in the topic, [Configure Product Key Operations with Forward Proxy](#), before running this command.

## Synopsis

```
tsm licenses refresh [global options]
```

## Global options

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-h, --help

Optional.

Show the command help.

-p, --password <password>

Required, along with `-u` or `--username` if no session is active.

Specify the password for the user specified in `-u` or `--username`.

If the password includes spaces or special characters, enclose it in quotes:

```
--password "my password"
```

-s, --server https://<hostname>:8850

Optional.

Use the specified address for Tableau Services Manager. The URL must start with `https`, include port 8850, and use the server name not the IP address. For example `https://<tsm_hostname>:8850`. If no server is specified, `https://<localhost | dnsname>:8850` is assumed.

--trust-admin-controller-cert

Optional.

Use this flag to trust the self-signed certificate on the TSM controller. For more information about certificate trust and CLI connections, see [Connecting TSM clients](#).

-u, --username <user>

Required if no session is active, along with `-p` or `--password`.

Specify a user account. If you do not include this option, the command is run using credentials you signed in with.