

tsm data-access

You can use the `tsm data-access` commands to configure data caching, enable or disable data repository access, enable SAML for single sign-on, and configure settings for Web Data Connectors (WDCs).

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[tsm data-access caching list](#)

Displays data connection caching settings. To learn more about data connection caching settings, see [Configure Data Cache](#).

Synopsis

```
tsm data-access caching list [global options]
```

Sets data connection caching settings. To learn more about data connection caching settings, see [Configure Data Cache](#).

Synopsis

```
tsm data-access caching set [options] [global options]
```

Options

`-r, --refresh-frequency`

Optional.

Sets the frequency to refresh cached data with a new query to the underlying data source. You can specify a number to define the maximum number of minutes that data should be cached. You can also specify **low** to cache and reuse data for as long as possible, or **always** (equivalent to **0**) to refresh data each time that a page is loaded. If this option is not specified, it defaults to **low**.

[.print-hidden](#) [#repository-access-disable](#) tsm data-access repository-access disable [#tsm-dataaccess-repositoryaccess-disable](#)

Disable external access to the Tableau PostgreSQL database for the default remote user. This will not disable access from localhost.

Synopsis

```
tsm data-access repository-access disable [options] [global options]
```

Options

--repository-username <username>

Required.

The username, either **tableau** or **readonly**, with access to the data repository.

--request-timeout <timeout in seconds>

Optional.

Wait the specified amount of time for the command to finish. Default value is 1500 (25 minutes).

--ignore-prompt

Optional.

Suppress the prompt for restart and restart [Tableau Server].

tsm data-access repository-access enable

Enables access to the Tableau PostgreSQL database.

By default, PostgreSQL traffic uses port 8060 (TCP). If you are running a local firewall, be sure to allow traffic for this port. To change the PostgreSQL port, see [Ports that are not dynamically mapped](#).

Synopsis

```
tsm data-access repository-access enable [options] [global options]
```

Options

--repository-password <password>

Required.

Sets (or changes) the password to access the data repository for the specified username.

--repository-username <username>

Required.

The username, either **tableau** or **readonly**, with access to the data repository.

--request-timeout <timeout in seconds>

Optional.

Wait the specified amount of time for the command to finish. Default value is 1500 (25 minutes).

--ignore-prompt

Optional.

Suppress the prompt for restart and restart [Tableau Server].

```

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item_link .print-hidden} []{{#repository-access-list}tsm data-access
repository-access list {{#tsm-dataaccess-repositoryaccess-list}

```

Lists users who have access to the Tableau PostgreSQL database.

Synopsis

```
tsm data-access repository-access list [global options]
```

```

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item_link .print-hidden} [!{#set-saml-config}tsm data-access set-saml-
delegation configure {#tsm-dataaccess-setsamldelegation-configure}

```

Setup single sign-on for SAML SAP HANA so that [Tableau Server] functions as an Identity Provider (IdP) that provides single sign-on for users making SAP HANA data connections.

Synopsis

```
tsm data-access set-saml-delegation configure [options] [global options]
```

Options

`-kf, --cert-key <cert-key>`

Optional.

The SAML certificate key file.

-cf, --cert-file <file-path>

Optional.

The location of the SAML certificate file.

`-uf, --username-format <username-format>`

Optional.

Username format. Valid format keys are: 'username', 'domain_and_username', and 'email'.

`-uc,--username-case <username-case>`

Optional.

Username case. Valid case keys are: 'lower', 'upper', and 'preserve'.

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Disable single sign-on for SAML SAP HANA.

Synopsis

```
tsm data-access set-saml-delegation disable [global options]
```

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Enable single sign-on for SAML SAP HANA.

Synopsis

```
tsm data-access set-saml-delegation enable [global options]
```

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Add a web data connector (WDC) to the WDC safe list.

Synopsis

```
tsm data-access web-data-connectors add [options] [global options]
```

Options

-n, --name <name>

Required.

The name for the WDC that will be displayed in the Tableau Server data source list. This name must be enclosed in single quotes (') or double quotes ("). Use double quotes (") if the name includes a space.

-sec, --secondary <secondary-URL-1>, <secondary-URL-2>

Optional.

A comma-delimited list of URLs that indicates which domains the connector can make requests to or receive data from. Do not enclose the URLs in quotes. To add an entire domain to this secondary safe list, you can use a wildcard expression (.*). On Windows, be sure to include the parentheses () as part of the expression, as in the following example: `https://www.example.com/(.*)`

--url <URL>

Required.

The URL for the WDC (formatted as `<scheme>://<host>:<port>/<path>`), for example

```
https://www.tableau.com:80/example/ ). For many WDCs, the <port> value is 443 or 80, but you can check
```

the value for your connector by looking at the data source details on Tableau Server or Tableau Online.

[**heading-item**](#) **{.heading-item_link .print-hidden} []{#web-data-connectors-allow}tsm data-access web-data-connectors allow {#tsm-dataaccess-webdataconnectors-allow}**

Enable or disable WDC refreshes. Also, enable or disable the use of WDCs on Tableau Server.

Synopsis

```
tsm data-access web-data-connectors allow [options] [global options]
```

Options

-r, --refreshes <refreshes-allowed>

Optional.

Set to `false` to disallow WDC refreshes. Defaults to `true`.

-t, --type <WDC-allowed>

Optional.

Set to `none` to disallow the use of WDCs on Tableau Server (and omit WDCs from backups). Defaults to `all`, which allows the use of WDCs.

[**heading-item**](#) **{.heading-item_link .print-hidden} []{#web-data-connectors-delete}tsm data-access web-data-connectors delete {#tsm-dataaccess-webdataconnectors-delete}**

Delete a specified WDC, or all WDCs, from the Tableau Server safe list.

Synopsis

```
tsm data-access web-data-connectors delete [options] [global options]
```

Options

--all

Optional.

This option will delete all WDCs.

--url <URL>

Optional.

The URL for the WDC to delete.

[**heading-item**](#) **{.heading-item_link .print-hidden} []{#web-data-connectors-list}tsm data-access**

web-data-connectors list {#tsm-dataaccess-webdataconnectors-list}

List all WDCs currently on the safe list.

Synopsis

```
tsm data-access web-data-connectors list [options] [global options]
```

Options

[\[icon--med-lg icon--arrow-up .heading-item icon\]{.heading-item_link .print-hidden}](#) Global options

-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.