

# Data manager

On this page:

- [Running the Data Manager](#)
- [Data Manager commands](#)
  - [Deleting selected resource](#)
  - [Deleting selected user](#)

Teamwork Cloud is equipped with a Data Manager for administrative processes. You need to download the data manager zip file and extract it to the machine where you installed Cassandra. Before using Data Manager, we recommend that you backup your database in the same manner as you do before using the migration tool. You can download the DataManager tool from the same location you download the migration tools for the Cassandra database and UML meta-model.

Name	File Name	File Size	MD5 checksum	File Date
	<a href="#">twcloud 190 installer win64.exe</a>	257.15 MB	78C6525F3C06A1B3F124A831FAF231CF	July 2, 2018
	<a href="#">twcloud 190 installer linux64.bin</a>	183.36 MB	7FB3A8F2285C827278665A2391944E62	July 2, 2018
	<a href="#">twcloud 190 no install win64.zip</a>	178.43 MB	960329BD2B9D5CF9EAA0E3FD0885884E	July 2, 2018
	<a href="#">twcloud 190 no install linux64.zip</a>	178.36 MB	6D58B4E059D7F282DF81AA1969BD2D05	July 2, 2018
	<a href="#">datamanager 190 no install linux64.zip</a>	50.31 MB	7BE4A59AAEA906AFDDC83C90E7D04C2F	July 2, 2018
	<a href="#">datamanager 190 no install win64.zip</a>	50.23 MB	1D2232DB1178461161BCF64C79ADD7FA	July 2, 2018
	<a href="#">migrationtool 190 no install linux64.zip</a>	48.19 MB	94CFBEBD0E1180262A3792DE3055831B	July 2, 2018
	<a href="#">migrationtool 190 no install win64.zip</a>	48.14 MB	F2AA81335BAEFF5E078ADD9C47FF4C3E	July 2, 2018
	<a href="#">cassandra 3112 installer win64.exe</a>	42.95 MB	B238B5826BB873E4649EA34119B4FBF8	July 2, 2018
	<a href="#">migrationtool 185 sp4 no install linux64.zip</a>	35.36 MB	87C4C2C5205E94215870E0326E2F9215	July 2, 2018
	<a href="#">migrationtool 185 sp4 no install win64.zip</a>	35.3 MB	D4CEBC341070EB6B2B34F66350A28AA3	July 2, 2018
	<a href="#">UML migrator 190 no install-linux.x86_64.zip</a>	34.07 MB	E362753F45FA5543C85F49C6DB586CFD	July 2, 2018
	<a href="#">UML migrator 190 no install-win32.x86_64.zip</a>	34.01 MB	73D1A3624D798002D909BE9921D0A67B	July 2, 2018
	<a href="#">twcloud readme.html</a>	10.64 kB		July 2, 2018
	<a href="#">migrationtool readme.txt</a>	2.93 kB		July 2, 2018
	<a href="#">UML migrator readme.txt</a>	1.97 kB		July 2, 2018

Downloading the Data Manager tool.

## Running the Data Manager

To run Data Manager

1. Stop the Teamwork Cloud server.
2. Make sure Cassandra is up and running.



The ports through which Data Manager is connected to Cassandra are **9160** and **9042**.

3. Download **DataManager.zip**.
4. Extract the zip file to the machine where you installed Cassandra.
5. On the command line, change the directory to the DataManager folder. Type the command `./datamanager -help` (or `datamanager.bat -help` on Windows) to display available commands like the following.

```
./datamanager -help
```

6. Run your desired command to show the list of users like the following:

```
./datamanager -lu
```

(On Windows, use `datamanager.bat -lu`)

7. Once Data Manager closes, run major compaction on the `esi` keyspace using the `nodetool` utility.

```
./nodetool compact -s esi
```

Find detailed information about the nodetool utility and compact command at the following links:

<http://cassandra.apache.org/doc/latest/tools/nodetool/nodetool.html>

<http://cassandra.apache.org/doc/latest/tools/nodetool/compact.html>



The log file of Data Manager appears in the following directory:

```
<user folder>/ .twcloud/19.0/datamanager.log
```

## Data Manager commands

The following table outlines the commands you can use in Data Manager to manage your data.

Server tool command	Function
<code>-lr,--list-resources</code>	Lists all available resources.
<code>-lrd,--list-marked-deleted-resources</code>	Lists all resources that were marked for deletion.
<code>-lu,--list-users &lt;--no-info&gt;</code>	Lists all usernames and their information, sorted by name. You can add <code>--no-info</code> to show only the usernames.
<code>-help</code>	Display help information
<code>-version</code>	Display Data Manager version
<code>-dr,--delete-resource &lt;resource ID&gt; &lt;resource ID&gt; ...</code>	Deletes the given resource(s) and all of its related information. <ul style="list-style-type: none"><li>Specify multiple resource IDs using space as a separator.</li></ul>
<code>-drd,--delete-marked-deleted-resources</code>	Deletes all resources that were marked as deleted.
<code>-du,--delete-user &lt;username&gt; &lt;username&gt; ...</code>	Deletes a given username(s) and all of its related information. <ul style="list-style-type: none"><li>If a username consists of two words (for example, dan smith) you must add double quotation marks (") before and after the username, as shown in the following example:  <code>--delete-user "dan smith"</code>  or  <code>-du "dan smith"</code></li><li>Specify multiple usernames using space as a separator.</li></ul>

The **delete** command to delete resources and users works as follows.

### Deleting selected resource

```
delete --mark-deleted resources  
delete resource <resource ID>[,<resource ID>]...
```

These commands delete a selected resource and all of the following resource-related information:

- Tags information of the resource.
- Category information (the resource will be removed from all categories).
- Branch information.
- Commit information.
- Role assignment information (role assignment information related to the resource will be removed).
- Locking information.

## Deleting selected user

```
delete user <username>[ <username>]...
```

This command deletes a selected user and all of the following user-related information:

- Role assignment information (all role assignment information belonging to the user will be removed).
- Session (the existing user session will be removed).
- Lock information (model elements in projects locked by the user will be unlocked).
- User group information (the user will be removed from all user groups).



In the modeling tool's history panels, next to the deleted users, the word *deleted* will appear in brackets.

## Related pages

- [Installation, configuration, and licensing](#)
- [Backup and restore data procedures](#)
- [Migrating data and upgrading TWCloud](#)