Data manager

On this page:

- Running the Data Manager
- Data Manager commands
  - Deleting selected resource
  - Deleting selected user
  - Deleting selected branch
  - Deleting revisions

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.

Running the Data Manager

To run Data Manager

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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*)

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
`-help`	Display help information.
`-version`	Display Data Manager version.
`-dr,--delete-resource <resource ID> <resource ID> ...`	Deletes the given resource(s) and all of its related information. • Specify multiple resource ID using space as a separator.

`-drb,--delete-branch <resourceID=value branchID=<ID1>,<ID2> includeChildBranch=<true /false>>`	Delete the given branch(es) and all of its related information.
	• Specify multiple branch ID using a comma as a separator.
	• The *includeChildBranch* has two values: *true* and *false.*
	  ◦ When the *includeChildBranch* value is set to *False* and the branch has child branches, then this branch will not be deleted.
	  ◦ When the *includeChildBranch* value is set to *True,* then even if the branch has child branches it will be deleted (with child branches).

`-drd,--delete-marked-deleted resources`	Deletes all resources that were marked as deleted.

`-drr,--delete-revision <resourceID=value revision=<revision1,revision2> includeChildRevision=<true/false>>`	Delete the given revision(s) and all of its related information.
	• Specify multiple revisions using a comma as a separator.
	• The *includeChildRevision* has two values: *true* and *false.*
	  ◦ When the *includeChildRevision* value is set to *False,* and the revision is not the latest, then it will not be deleted.
	  ◦ When the *includeChildRevision* value is set to *True,* then revisions upward and branches within it from the selected version will be deleted.

`-du,--delete-user <username> <username> ...`	Deletes a given username(s) and all of its related information.
	• 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:
	`--delete-user "dan smith"`
	or
	`-du "dan smith"`
	• Specify multiple usernames using a space as a separator.

`-lb,--list-branch <resourceID=value>`	List all branches of the given resource.
`-li,--list-index`	List all available data that has an index.
`-lr,--list-resources`	Lists all available resources.
`-lrd,--list-marked-deleted-resources`	Lists all resources that were marked for deletion.
`-lrv,--list-revision <resourceID=value branchID=value`	List all revisions in the given branch.
`-lu,--list-users <--no-info>`	Lists all usernames and their information, sorted by name. You can add **--no-info** to show only the usernames.

`-ram,--reset-administrator-password`	Reset Administrator password to *'Administrator'*.
	• If there is no account 'Administrator', it will be created.
	• If account 'Administrator' exists in the database:
	  ◦ If the account is for an external user, it will be reset to an internal user with a new password. This user will be shown in Teamwork Cloud Admin.
	  ◦ If the account is an internal user, only a new password will be generated and the user will be shown in the Teamwork Cloud Admin.
	• The default roles of the Teamwork Cloud Admin will be restored to make sure that this account can fully operate as the default admin.

`-rc,--recreate-cluster-id`	Recreate a cluster ID or change it.
`-ri,--rebuild-index <data=value1,value2>`	Rebuild all indexes for the given data, use '**data=***' option to rebuild all indexes of all available data.

`-urd,--unmark-deleted-resources <resource ID>`	Unmark the given resource(s) that was previously marked as deleted. • Specify multiple resource ID using space as separator
`-version`	Display Data Manager version.
`-vi,--verify-index <data=value1,value2>`	Verify all indexes for the given data, use 'data=*' option to verify all indexes of all available data.

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

Deleting selected resource

```
-dr,--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

```
-du,--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, the word *deleted* will appear in brackets next to the deleted users.

Deleting selected branch

```
-drb,--delete-branch <resourceID=value branchID=<ID1>,<ID2> includeChildBranch=<true/false>>
```

The branch-related information which will be removed together with the branch includes:

- Tags information of each revision in the branch
- Object information created/modified at each revision in the branch
- Commit information of each revision in the branch
- Locking information of each object locked in the branch
- Branch information of the branch
- If the branch has child branches, depending on the **includeChildBranch** value, the branch will be deleted or not:
    - When the **includeChildBranch** value is set to *False* and the branch has child branches, then this branch will not be deleted.
    - When the **includeChildBranch** value is set to *True,* then even if the branch has child branches it will be deleted.

Deleting revisions

```
-drr,--delete-revision <resourceID=value revision=<revision1,revision2> includeChildRevision=<true/false>>
```

The revision-related information which will be removed together with the revision includes:

- Tags information of the revision
- Object information created/modified at the revision
- Commit information of the revision
- Locking information of objects whose id's do not exist anymore in the branch that the revision belongs to
- Branch information of the branch if the revision was the first revision of the branch

- If a selected revision is not the latest, depending on the **includeChildRevision** value, the revision will be deleted or not:
    - When the **includeChildRevision** value is set to *False,* and the revision is not the latest, then it will not be deleted.
    - When the **includeChildRevision** value is set to *True,* then revisions upward and branches within it from the selected version will be deleted.

Related pages

- Installation, configuration, and licensing
- Backup and restore data procedures
- Migrating data and upgrading TWCloud