

# Creating remote resource configurations

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1. In Teamwork Cloud, you can create remote resource configurations allowing you to synchronize resources from one Teamwork Cloud server to another based on the selected synchronization trigger. This is a convenient way to collaborate with disconnected teams or departments and share not only resources but their entire history as well. To learn how you can benefit from this functionality, see [cross-cluster resource synchronization](#).




- To create remote resource configurations, you must have the Remote Synchronization Manager role. The role scope needs to include the target Teamwork Cloud server categories where you want the synchronized resources to be saved.

- Cross-cluster resource synchronization works only in one direction - from the source to the target server. Synchronized resources on

To create a remote resource configuration, the target server must be in read-only mode and cannot be edited to ensure version consistency.

- Remote resource configurations are created and managed on the target Teamwork Cloud server.

- a. Go to the Settings application and select **Remote repository management** on the left side of the screen.

- b. In the bottom right corner of the screen, click  to open the wizard for creating a remote resource configuration.

- c. In the first step of the wizard, log in to the source Teamwork Cloud server:

- i. In the **Source Teamwork Cloud address** box, enter the address of the source server from which you want to synchronize resources or categories, specifying port 3579. For example: `TWC_Server_IP:3579`



For a secure SSL connection to the source Teamwork Cloud, port 10002 should be used.

- ii. In the **Username** and **Password** boxes, enter the credentials of a source server user.

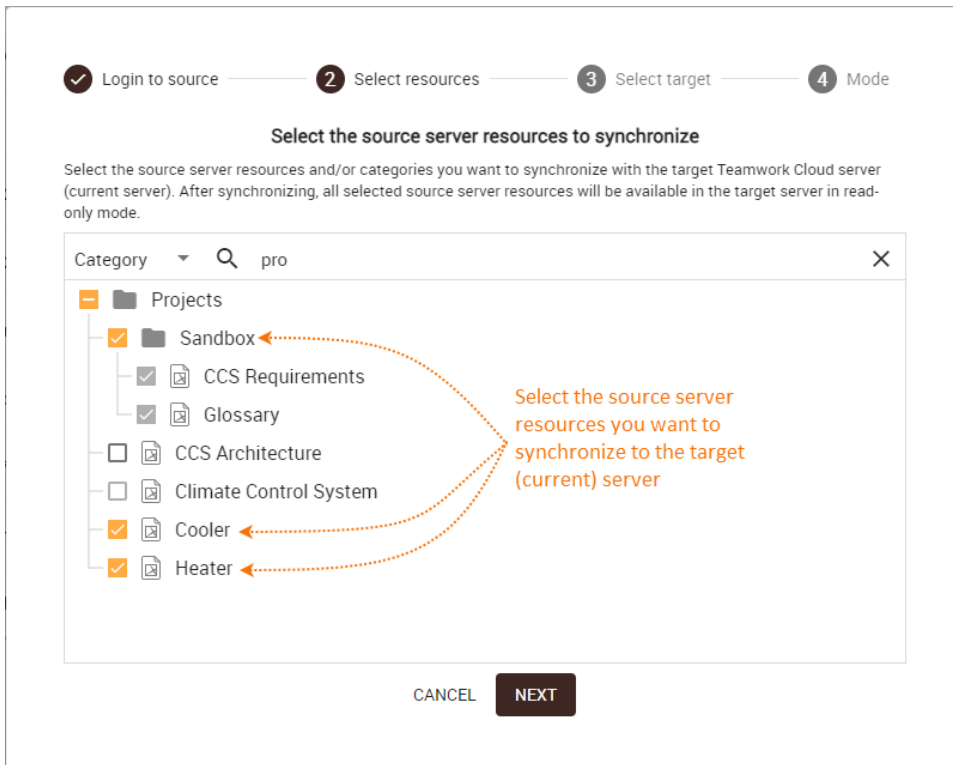


### Required source server user permissions

For successful synchronization, the user whose credentials are used for logging in to the source Teamwork Cloud server must have the **Read Resources** permission in the source server.

- d. Click **Next**.

- e. Select the source server resources and/or categories you want to synchronize with the target Teamwork Cloud server (the current server) and click **Next**.



✓ Login to source — 2 Select resources — 3 Select target — 4 Mode

**Select the source server resources to synchronize**

Select the source server resources and/or categories you want to synchronize with the target Teamwork Cloud server (current server). After synchronizing, all selected source server resources will be available in the target server in read-only mode.

Category

- [-] Projects
  - ☒ Sandbox
    - ☒ CCS Requirements
    - ☒ Glossary
  - ☐ CCS Architecture
  - ☐ Climate Control System
  - ☒ Cooler
  - ☒ Heater

Select the source server resources you want to synchronize to the target (current) server

CANCEL NEXT

- f. Select the category in the target Teamwork Cloud server where you want the synchronized resources to be stored and click **Next**.

g. Select one of the following synchronization triggers:

- **Manual** - the resource or category is synchronized only when initiated by a user.
- **On every new commit** - the resource or category is synchronized whenever a new resource version becomes available in the source server.
- **On specific commit tag** - the resource or category is synchronized when a resource is committed to the source server with a specific commit tag.

✓ Login to source — Select resources — Select target — 4 Mode

**Select a synchronization mode**

Choose what triggers the synchronization of the selected source server resources.  
Resources will be synchronized only in one direction: from source to target.

Synchronization frequency \*

Manual

CANCEL CREATE

Click to select the synchronization trigger

h. Click **Create**.

A separate remote resource configuration is created for every resource and/or category selected in step 5. All existing remote resource configurations and their details including synchronization status are displayed in the remote repository management screen as shown below.

Category/Resource from Source	Target category	Source address	Synchronization mode	Status	Synchronized	
Car Dashboard System	Sand box	kns-qa3centos.ds one.3ds.com	Manual	Not synchronized		
Climate Control System	Sand box	kns-qa3centos.ds one.3ds.com	pending-review	Synchronized	Sep 24, 2021, 9:39:00 AM	
Distiller Model	Root	kns-qa3centos.ds one.3ds.com	On every new commit	Synchronized	Sep 20, 2021, 2:33:09 PM	
Projects	Root	kns-qa3centos.ds one.3ds.com	Manual	Partially synchronized	Sep 24, 2021, 11:23:06 AM	
Modem Cable	Root	kns-qa3centos.ds one.3ds.com	Manual	In queue	Nov 29, 2021, 9:13:40 AM	


The remote repository management screen where you can create and manage remote resource configurations.

## Synchronizing resources manually

After creating a remote resource configuration, the related resource or category is synchronized depending on the selected synchronization mode. However, you can also synchronize resources manually as described below.

If you select the **Manual** synchronization mode for a remote resource configuration, you need to synchronize resources by yourself as described in this section.

To synchronize resources manually


- Go to the Settings application and select **Remote repository management** on the left side of the screen.
- Select the remote resource configurations of the resources and/or categories you want to synchronize.
- In the top right corner of the screen, click .

## Deleting remote resource configurations

If remote resource configurations are no longer needed, you can delete them as described below.

#### To delete a remote resource configuration

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- a. Go to the Settings application and select **Remote repository management** on the left side of the screen.
- b. Select the remote resource configurations you want to delete.
- c. In the top right corner of the screen, click .
- d. Optionally, run [Data Manager](#) and use one of the commands for deleting resources to completely remove the remote resource configurations from Teamwork Cloud.

#### **Note**

Step 4 is mandatory if you want to create another remote resource configuration for the same resource. In such a case, it is not enough to delete the configuration you want to replace by using just the Teamwork Cloud UI. You need to remove it via Data Manager as well.