

# 2021x Refresh2 Version News



# Teamwork Cloud

Released on: December 3, 2021

Teamwork Cloud introduces several new and exciting capabilities, such as cross-cluster resource synchronization allowing you to share and reuse resources with their entire history from a remote server in a read-only mode, multiple permission management improvements, the possibility to generate project revisions reports, monitor user activity, and more. In addition, you can now containerize Teamwork Cloud web applications to define different deployment topologies based on user needs.

## **2021x Refresh2 HotFix 5 available**

Due to Cassandra 3.11 approaching its end of life, the 2021x Refresh2 HotFix 5 has been released on April 21, 2023. This HotFix addresses the issue by supporting Cassandra 4 and introduces a number of bug fixes and performance improvements.

## **2021x Refresh2 Hot Fix 4 available**

2021x Refresh2 Hot Fix 4 has been released on July 15, 2022, for CATIA Magic and No Magic portfolios. It introduces a number of bug fixes and performance improvements.

## **2021x Refresh2 Hot Fix 3 available for Teamwork Cloud, Magic Collaboration Studio, Web Application Platform**

Due to the Spring Framework (Spring4Shell) vulnerability issues, the 2021x Refresh2 HF3 has been released on May 27, 2022. The HF3 addresses the Spring Framework (Spring4Shell) 5.3.0 to 5.3.17, 5.2.0 to 5.2.19 versions.

## **2021x Refresh2 Hot Fix available**

Due to the Apache Log4j vulnerability issues, the 2021x Refresh2 HF1 has been released on December 22, 2021.

For more information, see [CATIA Magic and No Magic products affected by Log4j vulnerability - CVE-2021-44228, CVE-2021-45046, CVE-2021-44832](#).

Also, see the Knowledge Base article at <https://kb.dsxcient.3ds.com/mashup-ui/page/result?qai?id=QA00000102301e>.

[Cross-Cluster Resource Synchronization](#)

[Permission Management Improvements](#)

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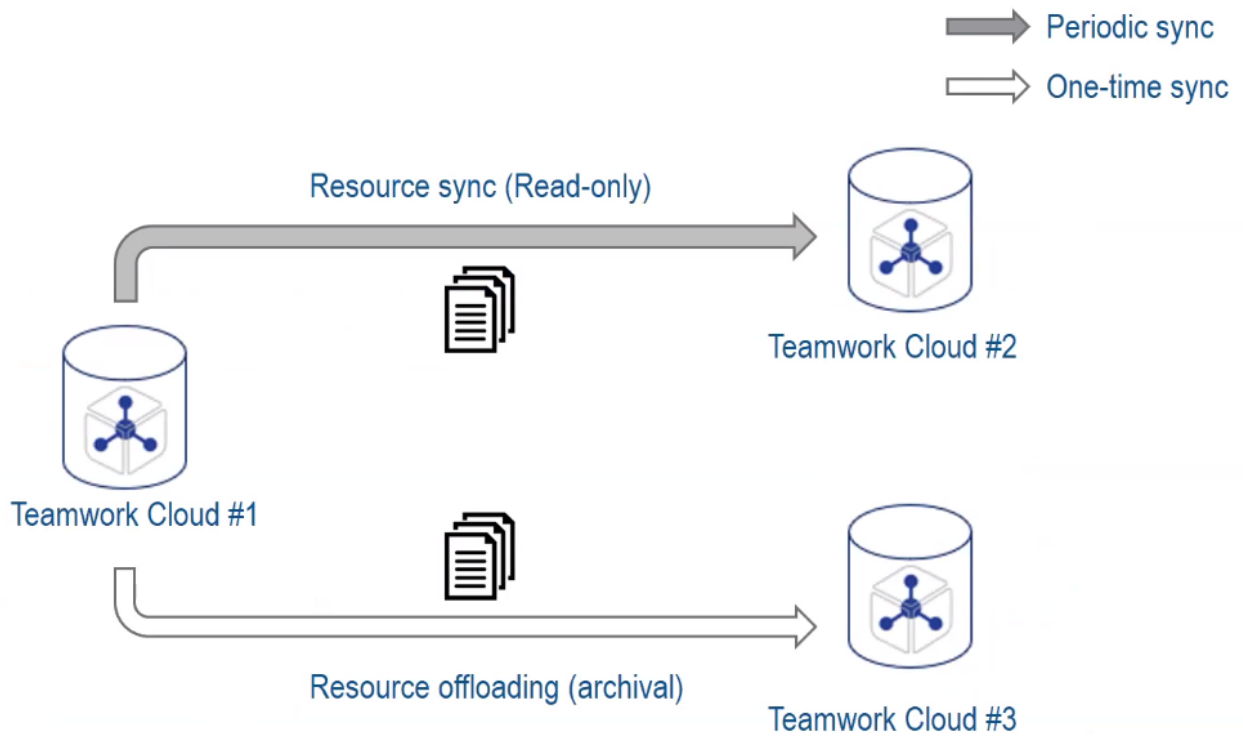
[New Deployment Options](#)

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[Cross-Cluster Resource Synchronization](#)

Teamwork Cloud introduces a major new functionality allowing you to reuse resources from a remote server in a read-only mode. This makes collaboration between multiple disconnected Teamwork Cloud sites possible enabling sharing not only resources but their entire history as well. Synchronize resources between two different Teamwork Cloud servers with just a few clicks and choose whether resources should be synchronized manually, automatically, or when a specific commit tag is used.



Resource synchronization can be used both to collaborate with distant teams and offload resources to a remote server.

Remote repository management

Server settings

Server license

LDAP management

OAuth consumers

Indexing management

Remote repository management

Remote repository management

Synchronize resources from another instance of Teamwork Cloud

<input type="checkbox"/>	Category/Resource from Source	Target category	Source address	Synchronization mode	Status	Synchronized	
<input type="checkbox"/>	Car Dashboard System	Sand box	kns-qa3centos.dsone.3ds.com	Manual	Not synchronized		
<input type="checkbox"/>	Climate Control System	Sand box	kns-qa3centos.dsone.3ds.com	pending-review	Synchronized	Sep 24, 2021, 9:39:00 AM	
<input type="checkbox"/>	Distiller Model	Root	kns-qa3centos.dsone.3ds.com	On every new commit	Synchronized	Sep 20, 2021, 2:33:09 PM	
<input type="checkbox"/>	Projects	Root	kns-qa3centos.dsone.3ds.com	Manual	Partially synchronized	Sep 24, 2021, 11:23:06 AM	

1 Login to source

2 Select resources

3 Select target

4 Mode

Log in to the source server

Log in to the Teamwork Cloud server (source server) from which you want to synchronize resources and/or categories. Use the source server credentials to log in.

Source Teamwork Cloud address \*

kns-qa3centos.dsone.3ds.com

Username \*

johsmi

Password \*

.....

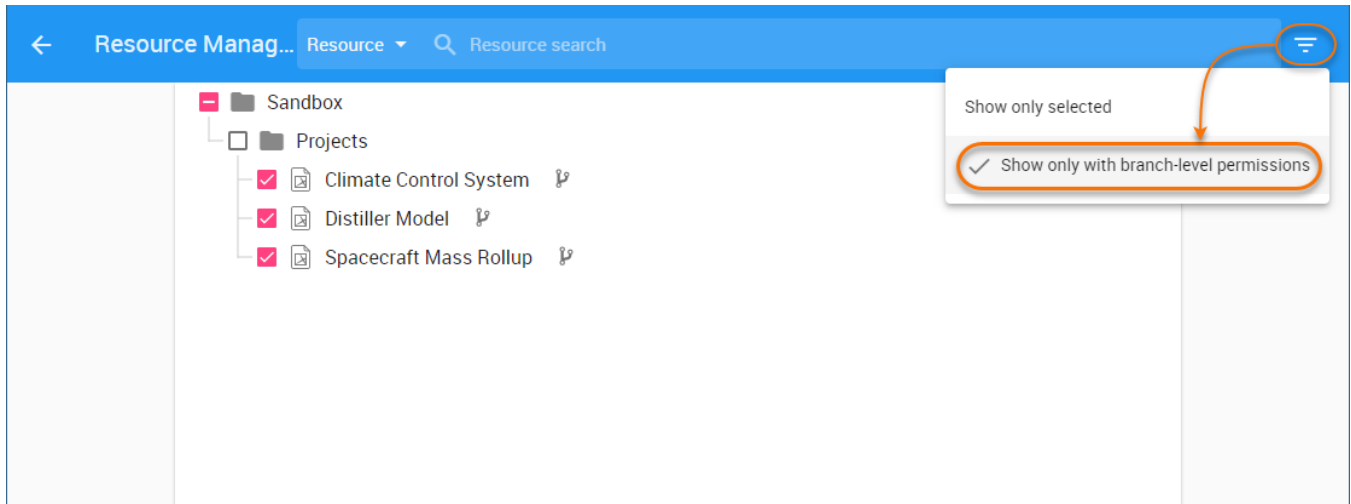
CANCEL

NEXT

## Permission Management Improvements

### Filtering resources with branch-level permissions

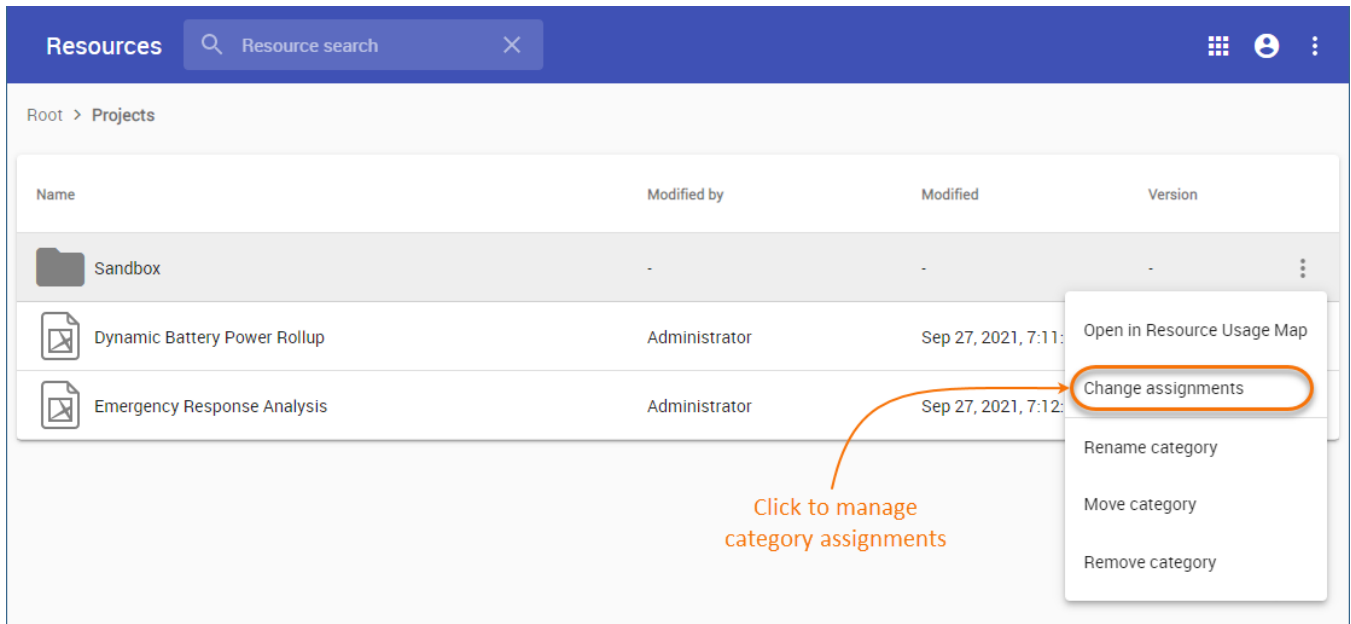
The Users and Roles applications have been improved and now allow you to filter the resources with branch-level permissions when selecting assignments.



Filtering role assignments with branch-level permissions in the Users application.

### Managing category-level permissions

In Teamwork Cloud 2021x Refresh2, managing category-level permissions is a lot more convenient. Use a new action in the Resources application to see and change all category assignments in one place.



Managing category assignments.

### Managing resource permissions

Managing the permissions of a specific resource is now easier because in the Resource pane you can see and change the users assigned to that resource.

Resources

Resource search

Root > Projects

Name	Modified by	Modified	Version
Sandbox	-	-	-
Dynamic Battery Power Rollup	Administrator	Sep 27, 2021, 7:11:56 PM	#1
Emergency Response Analysis	Administrator	Sep 27, 2021, 7:12:51 PM	#1

Dynamic Battery Power Rollup

Projects

Created on Sep 27, 2021 7:11 PM by Administrator

Modified on Sep 27, 2021 7:11 PM by Administrator

REMOVE

EDIT

History

Version #1

Administrator on Sep 27, 2021 7:11 PM

trunk

Resource assignments (2)

ievsta

ievsta

ingabe

Inga A.

CHANGE

Changing resource assignments.

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## Reporting Capabilities

### Generating project revisions report

This version of Teamwork Cloud introduces the functionality allowing you to export the history of any Teamwork Cloud project into an Excel spreadsheet. Sharing project revision reports can be a quick and easy way to demonstrate the project progress to team leads or project managers.

The screenshot shows the 'Resources' page in Teamwork Cloud. A list of resources is shown, including 'Car Braking Analysis', 'Car Dashboard System', 'Cruise Control', 'Requirements', 'Temperature Regulation Loop', and 'Vehicle Structure'. A context menu is open for the 'Car Braking Analysis' resource, with the 'Generate revisions report' option highlighted. Below the menu, a 'RESOURCE REVISIONS REPORT' table is displayed.

RESOURCE REVISIONS REPORT					
<b>Resource Name:</b>		Car Braking Analysis			
<b>Resource Author:</b>		Administrator (Administrator)			
<b>Resource Created:</b>		27/09/2021 07:19 PM			
VERSION	AUTHOR	COMMITTED	COMMIT MESSAGE	TAG	BRANCH
#3	Administrator (Administrator)	27/09/2021 07:28 PM	Branch "Braking Analysis Req." created	Braking Analysis Req.	
#2	Administrator (Administrator)	27/09/2021 07:20 PM		trunk	
#1	Administrator (Administrator)	27/09/2021 07:19 PM		trunk	

Exporting project history into Excel.

## Monitoring user activity

Now Teamwork Cloud allows you to monitor user activity in the Settings application, which will help you analyze how many consecutive users connect to Teamwork Cloud on a daily basis and how often the licence is used.

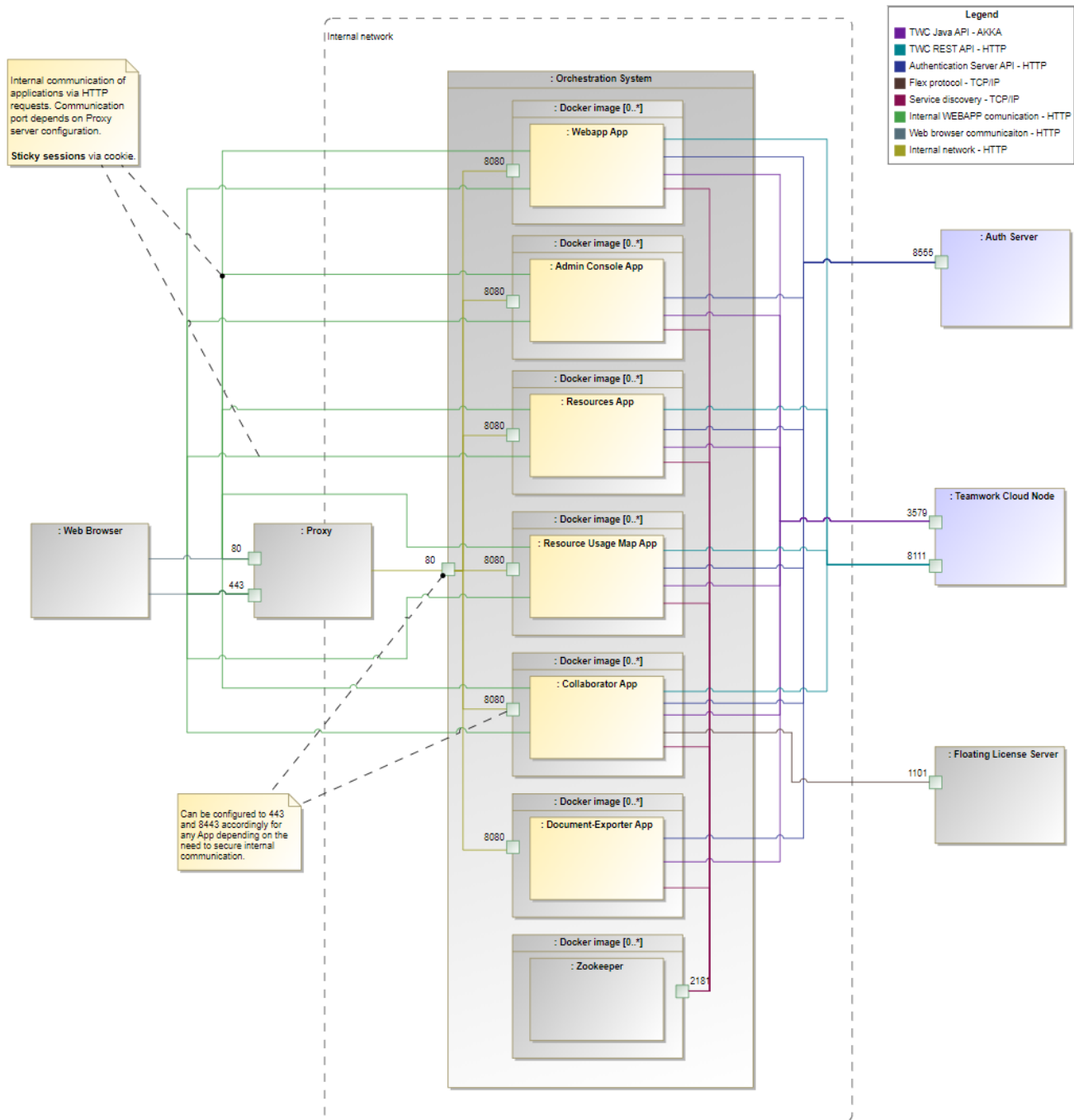
The screenshot shows the 'Server license' page in the Settings application. The page displays a list of recently active users. The table below shows the details of these users.

#	Username ↑	Full name	Last activity date
1	Administrator	Administrator	Sep 27, 2021, 5:25:23 PM
2	ingabe	Inga A.	Sep 27, 2021, 5:58:14 PM
3	johsmi	John S.	Sep 27, 2021, 6:02:39 PM

The Settings application displaying recently active users.

## New Deployment Options

In version 2021x Refresh2, Web Application Platform and all of its plugins are provided as separate web applications. This allows containerizing web applications in order to define different deployment topologies based on user needs. As shown in the figure below, you are free to choose a custom deployment option for your company to increase performance and scalability.



An enterprise deployment option for Web Application Platform and its plugins.

## Other

- When updating Teamwork Cloud to a new version, be aware that several Authentication server properties have been modified. The default value of the **authentication.redirect.uri.whitelist** property needs to be changed to "https://\$<web\_application\_server\_IP>:<port>". In addition, the following new properties need to be added to the property file: **authentication.unlimited.token.expiry**, **authentication.client.unlimited**, **disable.credentials.authentication**.
- If you use SAML Identity Provider, note that the following new properties need to be added to the Authentication server properties file: **authentication.saml.authn.contexts**, **authentication.saml.authn.context.comparison.type**, **authentication.saml.error.visible**.

## REST API Change Log

The [REST API change log](#) concerns the following areas:

- Format changes in JSON syntax and a character set in an HTTP header.
- Use of Swagger UI 3.0 and Open API 3.0.
- A new data type of **ProtectedObjectAccessible**.
- Changes in **ProtectedObject**, **UserGroup**, and **LDAP Resync** data types.

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## Documentation

[Teamwork Cloud 2021x Refresh2](#)

### News of earlier versions

- [Teamwork Cloud 2021x Refresh1](#)
- [Teamwork Cloud 2021x](#)
- [Teamwork Cloud 19.0 LTR SP4](#)
- [Teamwork Cloud 19.0 LTR SP3](#)