


# Permissions

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A permission in Teamwork Cloud Admin (TWCloud Admin) is an approval to perform a particular task or access one or more data or resource objects in the system. Permissions are associated with roles. A role contains a set of permissions allowing the user with that role to perform specific tasks or work on a resource. For example, a Resource Contributor (Role) has permissions to edit, read resources, or edit resource properties. The permissions enable that role to perform specific operations that are forbidden to other users.

Some permissions can only be used once a role has been assigned a resource, such as a resource reviewer role whose permission allows him to view or read data in a resource. If no resource is assigned to this role, the resource reviewer cannot access the data. You can assign one or more permissions to a custom role.

**Note**  
You cannot directly assign the permissions to the user. You must assign permissions to a role first and then assign the role to a user.

The **Role** pane in TWCloud Admin allows you to see the assigned permissions for each role. As an example, the figure below shows the permissions of the **Server Administrator** role.

Roles

Role search

Administer Resources	-	
Edit Resource Properties	-	
Edit Resources	-	
Manage Model Permissions	-	
Resource Contributor	Resource-specific role. Users who are assign...	
Resource Creator	Global role. Users who are assigned to this r...	
Resource Locks Administra...	Resource-specific role. Users who are assign...	
Resource Manager	Resource-specific role. Users who are assign...	
Resource Reviewer	Resource-specific role. Users who are assign...	
Security Manager	Global role. Users who are assigned to this r...	
Server Administrator	Global role. Users who are assigned to this r...	
User Manager	Global role. Users who are assigned to this r...	

Role

Server Administrator

Global role. Users who are assigned to this role can configure server settings, including the ability to configure LDAP integration, secured connection or server licensing.

REMOVEEDIT

Permissions

Configure Server

CHANGE

Role assignments

Administrator

Global scope

armgri

Global scope

The role's permissions on the Role detail panel of TWCloud Admin.

Some types of permissions do not require you to specify which resources you want to assign them to. For example:

- **Read Resources** either specifies which resource to read or assigns resources by selecting **Global** as the scope of the role.
- **Create Resources** does not require a specific resource to create because this permission belongs in the **Global** role scope by default. This permission can be used to create any resource.

For more information about the scopes of roles, see [Scopes of roles](#).

## Role permission

We use permissions to protect data such as files or information in TWCloud Admin and to limit what a user can read, write, and execute within the system. A user can have many roles and a role can have many users. The table below lists all permission types that belong in each preexisting role in the TWCloud system.

Role	Permissions
Resource Contributor	<ul style="list-style-type: none"><li>• Edit Resource Properties.</li><li>• Edit Resources.</li><li>• Read Resources.</li></ul>
Resource Creator	<ul style="list-style-type: none"><li>• Categorize Resources.</li><li>• Create Resources.</li><li>• List All Resources.</li></ul>
Resource Locks Administrator	<ul style="list-style-type: none"><li>• Read Resources.</li><li>• Release Resource Locks.</li></ul>
Resource Manager	<ul style="list-style-type: none"><li>• Administer Resources.</li><li>• Edit Resource Properties.</li><li>• Edit Resources.</li><li>• List All Users.</li><li>• Manage Model Permissions.</li><li>• Manage Owned Resource Right.</li><li>• Read Resources.</li><li>• Remove Resource.</li></ul>
Resource Reviewer	<ul style="list-style-type: none"><li>• Read Resources.</li></ul>
Security Manager (Global role)	<ul style="list-style-type: none"><li>• List All Resources.</li><li>• List All Users.</li><li>• Manage Security Roles.</li><li>• Manage User Permissions.</li></ul>
Server Administrator (Global role)	<ul style="list-style-type: none"><li>• Configure Server.</li></ul>
User Manager (Global role)	<ul style="list-style-type: none"><li>• Create Users.</li><li>• Edit User Properties.</li><li>• List All Users.</li><li>• Manage User Groups.</li><li>• Remove User.</li></ul>

If a user has more than one permission type, the permission types will be merged to the user's assigned permissions. For example, if you assign the following:

- role\_A to read resource\_A only.
- role\_B to edit resource\_A only.

This user will be able to read and edit resource\_A.



### Note

If a user with the Resource Creator role creates a resource, that user will be assigned as the Resource Manager for that particular resource.

## Permission description

The following table describes predefined permissions and the possible role scope for each permission type.



To be able to read-write resources, the user must have the Edit Resources and Edit Resource Properties permissions, otherwise the user will see resources as read-only.

Permission	Description	Scope
Administer Resources	<p>The user is required to also have the Edit Resources and Edit Resource Properties permissions to enable listed actions, otherwise the resources will be read-only.</p> <p>The user with these three permissions can:</p> <ul style="list-style-type: none"><li>• Use local and server resources</li><li>• Stop using resources in the resource (including Standard/System Profiles)</li><li>• Lock/Unlock usages. Change versions of used resources</li><li>• Update resources from a local file</li><li>• Reload usages from a local file</li><li>• Import usage to a resource</li><li>• Migrate resources to a newer version</li><li>• Upgrade resources to new versions of Standard/System Profiles</li><li>• Set a resource as the latest</li><li>• Export packages to a new resource</li><li>• Reset element IDs (reset resource IDs)</li><li>• Create a branch</li><li>• Remove a branch</li><li>• Rename a branch</li></ul>	Global /Resource
Edit Resources	The user with this permission can edit the resource contents. This includes the ability to change or augment the model.	Global /Resource
Edit Resource Properties	The user with this permission can edit resource properties, or change the name or description of the resource.	Global /Resource
List All Resources	The user with this permission can see all resources and access them.	Global
Read Resources	The user with this permission can read the resource contents. This includes the ability to open resources and review the models.	Global /Resource
Release Resource Locks	The user with this permission can release other users' locks in a resource.	Global /Resource
Create Resource	The user with this permission can create resources. This also includes the ability to add the resources to the server.	Global /Resource
Remove Resource	The user with this permission can delete resources.	Global /Resource
Manage Model Permissions	The user with this permission can manage model-level permissions. This permission automatically includes the permission List all users.	Global /Resource
Manage Owned Resource Access Right	The user with this permission can manage resource-specific access rights, including the ability to grant or revoke user roles in the limited resource scope. This permission automatically includes the permission List all users.	Global /Resource
Categorize Resources	The user with this permission can categorize resources, including the ability to create, delete, or edit existing categories.	Global
Create User	The user with this permission can create new server users.	Global
List All Users	The user with this permission can see all Users.	Global
Remove User	The user with this permission can delete users.	Global
Edit User Properties	The user with this permission can edit user details.	Global
Manage User Permissions	The user with this permission can manage user-level permissions, including the ability to grant or revoke roles in unlimited scope.	Global
Configure Server	The user with this permission can configure server settings, including the ability to configure a secured connection, LDAP connection, and manage server licenses.	Global

Manage User Groups	The user with this permission can manage User groups, including the ability to create, edit, or delete user groups.	Global
Manage Security Roles	The user with this permission can manage security roles, including the ability to create, edit, or delete security roles.	Global

**Related pages**

- [Types of roles](#)
- [Scopes of roles](#)