



Red Hat Hybrid Cloud Console 1-latest

User Access Configuration Guide for Role-based Access Control (RBAC) with FedRAMP

How to use the User Access feature to configure RBAC for services hosted on the Red Hat Hybrid Cloud Console

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Abstract

This guide is for Red Hat account users who want to use the User Access feature to configure role-based access control (RBAC) for services hosted on the Red Hat Hybrid Cloud Console with FedRAMP[®]. Red Hat is committed to replacing problematic language in our code, documentation, and web properties. We are beginning with these four terms: master, slave, blacklist, and whitelist. Because of the enormity of this endeavor, these changes will be implemented gradually over several upcoming releases. For more details, see our CTO Chris Wright's message .

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CHAPTER 1. USER ACCESS CONFIGURATION GUIDE FOR ROLE-BASED ACCESS CONTROL (RBAC)

The User Access feature is an implementation of role-based access control (RBAC) that controls user access to various services hosted on the [Red Hat Hybrid Cloud Console](#). You configure the User Access feature to grant user access to services hosted on the Hybrid Cloud Console.

1.1. USER ACCESS AND THE SOFTWARE AS A SERVICE (SAAS) ACCESS MODEL

Red Hat customer accounts might have hundreds of authenticated users, yet not all users need the same level of access to the SaaS services available on the [Red Hat Hybrid Cloud Console](#). With the User Access features, an Organization Administrator can manage user access to services hosted on the [Red Hat Hybrid Cloud Console](#).



NOTE

User Access does not manage OpenShift Cluster Manager permissions. For OpenShift Cluster Manager, all users in the organization can view information, but only an Organization Administrator and cluster owners can perform actions on clusters. See [Configuring access to clusters in OpenShift Cluster Manager](#) in the OpenShift Cluster Manager documentation for details.

1.2. WHO CAN USE USER ACCESS

To initially view and manage User Access on the [Red Hat Hybrid Cloud Console](#), you must be an Organization Administrator. This is because User Access requires user management capabilities that are designated from the Red Hat Customer Portal at [Customer Portal](#). Those capabilities belong solely to the Organization Administrator.

The **User Access administrator** role is a special role that the Organization Administrator can assign. This role allows users who are not Organization Administrator users to manage User Access on the [Red Hat Hybrid Cloud Console](#).

1.3. HOW TO USE USER ACCESS

The User Access feature is based on managing roles rather than by individually assigning permissions to specific users. In User Access, each role has a specific set of permissions. For example, a role might allow read permission for an application. Another role might allow write permission for an application.

You create groups that contain roles and, by extension, the permissions assigned to each role. You assign users to groups. This means each user in a group is assigned the permissions of the roles in that group.

By creating different groups and adding or removing roles for that group, you control the permissions allowed for that group. When you add one or more users to a group, those users can perform all actions that are allowed for that group.

Red Hat provides two default access groups for User Access:

- **Default admin access** group. The **Default admin access** group is limited to Organization Administrator users in your organization. You cannot change or modify the roles in the **Default admin access** group.

- **Default access** group. The **Default access** group contains all authenticated users in your organization. These users automatically inherit a selection of predefined roles.



NOTE

You can make changes to the **Default access** group. However, when you do so, its name changes to **Custom default access** group.

Red Hat provides a set of predefined roles. Depending on the application, the predefined roles for each supported application might have different permissions that are tailored to the application.

1.3.1. The Default admin access group

The **Default admin access** group is provided by Red Hat on the [Red Hat Hybrid Cloud Console](#). It contains a set of roles that are assigned to all users who have an Organization Administrator role on your system. The roles in this group are predefined in the [Red Hat Hybrid Cloud Console](#).

The roles in the **Default admin access** group cannot be added to or modified. Because this group is provided by Red Hat, it is automatically updated when Red Hat assigns roles to the **Default admin access** group.

The benefit of the **Default admin access** group is that it allows roles to be assigned automatically to Organization Administrators.

See [Predefined User Access roles](#), for the roles are included in the **Default admin access** group.

1.3.2. The Default access group

The **Default access** group is provided by Red Hat on the [Red Hat Hybrid Cloud Console](#). It contains a set of roles that are predefined in the [Red Hat Hybrid Cloud Console](#). The **Default access** group includes all authenticated users in your organization. The **Default access** group is automatically updated when **Default access** group roles are added in the [Red Hat Hybrid Cloud Console](#).



NOTE

The **Default access** group contains a subset of all predefined roles. For more information, see section [Predefined User Access roles](#).

As an Organization Administrator, you can add roles to and remove roles from the **Default access** group. When you do so, its name changes to **Custom default access** group. The changes you make to this group affect all authenticated users in your organization.

1.3.3. The Custom default access group

When you manually modify the **Default access** group, its name changes to **Custom default access**, which indicates it was modified. Moreover, it is no longer automatically updated from the [Red Hat Hybrid Cloud Console](#).

From that point forward, an Organization Administrator is responsible for all updates and changes to the **Custom default access** group. The group is no longer managed or updated by the [Red Hat Hybrid Cloud Console](#).



IMPORTANT

You cannot delete the **Default access** group or **Custom default access** group. You can restore the **Default access** group, which removes the **Custom default access** group and any changes you made. See [Restoring the Default access group](#).

1.3.4. The User Access groups, roles, and permissions

User Access uses the following categories to determine the level of user access that an Organization Administrator can grant to the supported [Red Hat Hybrid Cloud Console](#) services. The access provided to any authorized user depends on the group that the user belongs to and the roles assigned to that group.

- **Group:** A collection of users belonging to an account which provides the mapping of roles to users. An Organization Administrator can use groups to assign one or more roles to a group and to include one or more users in a group. You can create a group with no roles and no users.
- **Roles:** A set of permissions that provide access to a given service, such as Insights. The permissions to perform certain operations are assigned to specific roles. Roles are assigned to groups. For example, you might have a **read** role and a **write** role for a service. Adding both roles to a group grants all members of that group read and write permissions to that service.
- **Permissions:** A discrete action that can be requested of a service. Permissions are assigned to roles.

An Organization Administrator adds or deletes roles and users to groups. The group can be a new group created by an Organization Administrator or the group can be an existing group. By creating a group that has one or more specific roles and then adding users to that group, you control how that group and its members interact with the [Red Hat Hybrid Cloud Console](#) services.

When you add users to a group, they become members of that group. A group member inherits the roles of all other groups they belong to. The user interface lists users in the **Members** tab.

1.3.5. Additive access

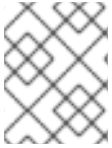
User access on the [Red Hat Hybrid Cloud Console](#) uses an additive model, which means that there are no **deny** roles. In other words, actions are only permitted. To control access, assign the appropriate roles with the desired permissions to groups, then add users to those groups. The access permitted to any individual user is a sum of all roles assigned to all groups to which that user belongs.

1.3.6. Access structure

The following points are a summary of the user access structure for User Access:

- **Group:** A user can be a member of one or many groups.
- **Role:** A role can be added to one or many groups.
- **Permissions:** One or more permissions can be assigned to a role.


In its initial default configuration, all User Access account users inherit the roles that are provided in the **Default access** group.



NOTE

Any user added to a group must be an authenticated user for the organization account on the [Red Hat Hybrid Cloud Console](#).

CHAPTER 2. PROCEDURES FOR CONFIGURING USER ACCESS

As an Organization Administrator or User Access administrator, you can click  > **Identity & Access Management** to view, configure, and modify the User Access groups, roles, and permissions.

2.1. CREATING A USER ACCESS ADMINISTRATOR

The **User Access administrator** is a special role that the Organization Administrator assigns to a group. All users in this group can perform User Access administration roles, such as adding, modifying, or deleting groups and roles. The **User Access administrator** role does not inherit the roles defined in the **Default Admin Access** group.

The **User Access administrator** role cannot create or modify a User Access administrator group. Only the Organization Administrator can create, modify, or delete a group that is assigned the **User Access administrator** role.



NOTE

The **User Access administrator** role does not grant permission to view and approve customer Access Requests.

By having the **User Access administrator** role, users who are not the Organization Administrator can perform many of the Organization Administrator functions for managing the User Access features. The **User Access administrator** role does not inherit the roles of the **Default admin access** group. The roles in that group are restricted to the Organization Administrator.

Prerequisites

- You are logged in to the [Red Hat Hybrid Cloud Console](#) as a user who has Organization Administrator permission.

Procedure

1. Navigate to the [Red Hat Hybrid Cloud Console > Settings > Identity & Access Management > User Access > Groups](#).
2. Click **Create group**.
3. Follow the guided actions provided by the wizard to create the group and add users and roles.
 - a. Name the group with a recognizable name: **User Access Admin**.
 - b. Provide a meaningful description: **User Access Organization Administrator permissions**
 - c. Click the **Next** button to add roles.
 - d. Search for the **User Access administrator** role and click the selection box to add this role to the group. Optionally, select additional roles.
 - e. Click the **Next** button to add members to the group.

**NOTE**

Any member you add must be an active member of the organization account.

- f. After you select the members for the group, click the **Next** button to review the details.
 - g. You can click the **Back** button to go back and make changes, or the **Cancel** button to cancel the action.
4. Click the **Submit** button to complete the **Create group** wizard. The new group will appear in the **Groups** tab.

2.2. VIEWING ROLES AND PERMISSIONS

You can view the roles and permissions for User Access at the [Red Hat Hybrid Cloud Console](#) . For a list of predefined roles provided by Red Hat, see section [Predefined User Access roles](#) .

**NOTE**

You cannot modify a predefined role.

Prerequisites

- You are logged in to the [Red Hat Hybrid Cloud Console](#) as a user who has Organization Administrator permission.
- If you are not an Organization Administrator, you must be a member of a group that has the **User Access administrator** role assigned to it.

Procedure

1. Navigate to the [Red Hat Hybrid Cloud Console > Settings > Identity & Access Management > User Access > Roles](#). User Access roles are displayed. You can scroll through the list of all Roles.
2. In the table, click either the role **Name** or the role **Permissions** to see details about the permissions assigned to the role. For example, if you click on the **Cost Price List Viewer** role, you see the following information.

[Roles](#) > Cost Price List Viewer

Cost Price List Viewer

A cost management role that grants read permissions on cost models.

Application	Resource type	Operation	Resource definitions ⓘ	Last commit
cost-management	cost_model	read	N/A	19 May 2021

**NOTE**

An asterisk * indicates a wildcard permission. A wildcard permission grants access to all resource types and allows all operations for the applications in a role.

2.3. VIEWING USER PERMISSIONS

You can view a user's permissions and other access-related information from the user details page.

Prerequisites

- You are logged in to the [Red Hat Hybrid Cloud Console](#) as a user who has Organization Administrator permission.
- If you are not an Organization Administrator, you must be a member of a group that has the **User Access administrator** role assigned to it.

Procedure

1. Navigate to the [Red Hat Hybrid Cloud Console > Settings > Identity & Access Management > User Access > Users](#) to view a list of users in your organization.
2. Click a **Username** to view more details about that user.
3. On the user details page, you can view:
 - If the user is an Organization Administrator in your organization
 - The user's email address
 - The user's username on the Hybrid Cloud Console (also known as a Red Hat login)
 - A list of roles associated with the user. To view more details about each role:
 - Click the count in the **Groups** column to show the groups with this role assigned.
 - Click the count in the **Permissions** column to show permissions the role provides.

**NOTE**

If you are not an Organization Administrator, you can view your own permissions for different services by navigating to the [Red Hat Hybrid Cloud Console > Settings > Identity & Access Management > My User Access](#).

2.4. MANAGING GROUP ACCESS WITH ROLES AND MEMBERS

You can manage group access by creating a group and adding roles and users to the group. The roles and their permissions determine the type of access granted to all members of the group.

The **Members** tab shows all users that you can add to the group. When you add users to a group, they become members of that group. A group member inherits the roles of all other groups they belong to.

Prerequisites

- You are logged in to the [Red Hat Hybrid Cloud Console](#) as a user who has Organization Administrator permission.
- If you are not an Organization Administrator, you must be a member of a group that has the **User Access administrator** role assigned to it.



NOTE

Only the Organization Administrator can assign the **User Access administrator** role to a group.

Procedure

1. Navigate to the [Red Hat Hybrid Cloud Console > Settings > Identity & Access Management > User Access > Groups](#) to open the **Groups** page.
2. Click **Create group**.
3. Follow the guided actions provided by the wizard to add users and roles.
4. To grant additional group access, edit the group and add additional roles.

2.4.1. Adding a role to a group

Add a role to an existing group to provide additional permissions to all members of that group. You can view user details to add roles to a group that the user belongs to.



NOTE

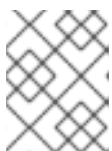
You can add a role to a group from the **Users** page, or by editing a group from the **Groups** page. These steps show you how to edit the group from the user details page.

Prerequisites

- You are logged in to the [Red Hat Hybrid Cloud Console](#) as a user who has Organization Administrator permission.
- If you are not an Organization Administrator, you must be a member of a group that has the **User Access administrator** role assigned to it.

Procedure

1. Navigate to the [Red Hat Hybrid Cloud Console > Settings > Identity & Access Management > User Access > Users](#) to open the **Users** list.
2. Click the **Username** for a user to open the user details page.
3. Click the count in the **Groups** column for a role. This shows the groups the user is a member of that have this role assigned.



NOTE

You can view the permissions a role provides by clicking the count in the **Permissions** column.

4. Click **Add role to this group** next to the group name to add additional role(s) to the group. This opens the **Add roles** dialog.
5. Select the checkbox for each role(s) you want to add to the group. (Only roles not yet associated with the group are listed.) Click **Add to group**.
6. Reload the user details page to see the roles you added to the group.

The group now has these additional permissions in the console.

2.4.2. Adding a user to a group

Add a user to an existing group to provide that user with the permissions granted by the roles assigned to that group.

This can be useful when a new team member joins your organization and you want to provide them with all necessary permissions for their work.



NOTE

You can add a user to a group from the **Users** page, or by editing a group from the **Groups** page. These steps show you how to add a user to a group from the user details page.

Prerequisites

- You are logged in to the [Red Hat Hybrid Cloud Console](#) as a user who has Organization Administrator permission.
- If you are not an Organization Administrator, you must be a member of a group that has the **User Access administrator** role assigned to it.

Procedure

1. Navigate to the [Red Hat Hybrid Cloud Console > Settings > Identity & Access Management > User Access > Users](#) to open the **Users** list.
2. Click the username for the user you want to edit.
3. On the user details page, click **Add user to a group**. A dialog opens showing a list of groups the user is not a member of.
4. Select the checkbox for one or more groups to add the user to and click **Add to group**.
5. Reload the user details page to see the roles you added.

The user now has the permissions granted by the group(s) they were added to.

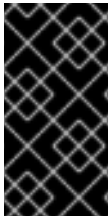
2.5. RESTRICTING SERVICE ACCESS TO A SINGLE USER

You can create a new group that contains a single user and add a role to that group. The role you add provides the service access permissions you want that single user to have. If you add other users to the group, the added users will have the same group permissions.

The roles you add to the group can be from the predefined list of roles provided with User Access, from custom roles created by an Organization Administrator, or a combination of both.

For more information about predefined roles, see section [Predefined User Access roles](#).

When you add a user to a new group, the user acquires the permissions of the new group and also inherits the permissions of all other groups they belong to. The permissions of the new group are added to their existing permissions.



IMPORTANT

In this procedure you modify the **Default access** group. Once modified, the **Default access** group name changes to **Custom default access**. The **Custom default access** group is no longer updated with changes pushed out by Red Hat from the [Red Hat Hybrid Cloud Console](#).

TIP

You can restore the **Default access** group, which removes the **Custom default access** group and any changes you made. See [Restoring the Default access group](#).

Prerequisites

- You are logged in to the [Red Hat Hybrid Cloud Console](#) as a user who has Organization Administrator permission.
- If you are not an Organization Administrator, you must be a member of a group that has the **User Access administrator** role assigned to it.

Procedure

1. Navigate to the [Red Hat Hybrid Cloud Console > Settings > Identity & Access Management > User Access > Groups](#). The **Groups** page is displayed.
2. Remove all roles from the **Default access** group.
Because all users in your organization belong to the **Default access** group, you cannot add or remove single users in **Default access** to create access control. By removing all roles, users do not inherit role permissions from **Default access**.
 - a. Select the checkbox above the roles list to select all roles in the group.
 - b. Click the more options icon (;) > **Remove**.
 - c. Click **Remove roles** to confirm.
3. Save the changes to **Default access** group. The name changes to **Custom default access**.
4. Create a new group that contains the users and roles for the allowed access permissions.
For example, create a group **Security Admin** that contains the users who will have full access to vulnerability service.
 - a. Create a group **Security Admin**.
 - b. Add one or several users to the group from the **Members** list.
 - c. Add the **Vulnerability administrator** role.

Each user you add to this group has full access to the vulnerability service.



NOTE

If you want an Organization Administrator to have access, add the Organization Administrator user to the group.

2.6. INCLUDING AN ORGANIZATION ADMINISTRATOR IN A GROUP

You can include an Organization Administrator in a group. You add an Organization Administrator user to a group if you want an Organization Administrator to have the roles assigned to that group. An Organization Administrator does not inherit all available roles for all [Red Hat Hybrid Cloud Console](#) applications. Any roles not inherited by means of the **Default access** group or the **Default admin access** group must be assigned through group membership.



NOTE

This procedure assumes that you want to modify an existing group and add an Organization Administrator to the group. Alternatively, you can add an Organization Administrator to a group when you create a new group.

Prerequisites

- You are logged in to the [Red Hat Hybrid Cloud Console](#) as a user who has Organization Administrator permission.
- If you are not an Organization Administrator, you must be a member of a group that has the **User Access administrator** role assigned to it.
- Create a group if one does not exist. For more information, see [Managing group access with roles and members](#).

Procedure

1. Navigate to the [Red Hat Hybrid Cloud Console > Settings > Identity & Access Management > User Access > Groups](#). The **Groups** page displays.
2. Click the group **Name** to display details about the group.
3. On the group details page, click the **Members** tab to display a list of authorized users who are a member of the group.
4. Click the **Add member** tab.
5. On the **Add members to the group** page that appears, find the Organization Administrator user name and click the check box next to the name.
For example, if the Organization Administrator user name is **smith-jones**, find that name and click the check box next to **smith-jones**. You can add additional names.
6. Verify the name list is complete and click the **Add to group** action.

Notification pop-ups appear when the action successfully completes.


2.7. DISABLING GROUP ACCESS

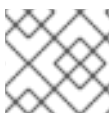
You can disable group access by removing roles from a group. Because the roles and their permissions determine the type of access granted to the group, removing roles disables group access for that role.

Prerequisite

- You are logged in to the [Red Hat Hybrid Cloud Console](#) as a user who has Organization Administrator permission.
- If you are not an Organization Administrator, you must be a member of a group that has the **User Access administrator** role assigned to it.

Procedure

1. Navigate to the [Red Hat Hybrid Cloud Console > Settings > Identity & Access Management > User Access > Groups](#). The **Groups** page is displayed.
2. Click the Group **Name** that you want to modify.
3. Click the **Roles** tab.
4. Click the check box next to roles **Name** that you want to remove.
You can click the check box at the top of the **Name** column to select all roles.
5. Click the more options menu icon  that is next to the **Add role** tab, and then click **Remove from group**.
6. In the confirmation window that appears, click either **Remove role** or **Cancel** to complete the action.



NOTE

Groups can contain no roles and no members and still be a valid group.

2.8. GRANULAR PERMISSIONS FOR USER ACCESS

Granular permissions allow an Organization Administrator to define role permissions for one or more applications. Many of the predefined roles provide wildcard permissions, which is equivalent to a super user role with full access to all actions.

By defining granular permissions, you can create (or modify) roles with limited permissions, such as read-only, or read and update but not delete.

As an example, compare the predefined roles of Cost Administrator and Cost Price List Viewer.

Role	Application	Resource	Operation
Cost Administrator	cost-management	* (all)	* (all)
Cost Price List Viewer	cost-management	cost_model	read

By creating a new role, you can define the applications, resources, and operations that are specific to that role.

2.8.1. Adding custom User Access roles

User Access provides a number of predefined roles that you can add to groups. In addition to using the predefined roles, you can create and manage custom User Access roles with granular permissions for one or more applications.

For a list of predefined roles provided by Red Hat, see section [Predefined User Access roles](#).



NOTE

You cannot modify a predefined role.

Prerequisites

- You are logged in to the [Red Hat Hybrid Cloud Console](#) as a user who has Organization Administrator permission.
- If you are not an Organization Administrator, you must be a member of a group that has the **User Access administrator** role assigned to it.

Procedure

A guided wizard leads you through the steps for adding a role.

The following steps describe how to use the **Create role** wizard.

1. Navigate to the [Red Hat Hybrid Cloud Console > Settings > Identity & Access Management > User Access > Roles](#). The **Roles** window appears.
2. Click the **Create role** button. This starts the **Create role** wizard.

At this point in the wizard, you can create a role from scratch or copy an existing role.

2.8.2. Creating a role from scratch

Create a role from scratch when you want to create a role with specific granular permissions. For example, you can create a single role for your organization that provides read-only permissions across all resources for all available applications. By adding and managing this role in your default access group, you can change default access to read-only.

Prerequisites

- You are logged in to the [Red Hat Hybrid Cloud Console](#) as a user who has Organization Administrator permission.
- If you are not an Organization Administrator, you must be a member of a group that has the **User Access administrator** role assigned to it.
- You started the **Create role** wizard.

Procedure

1. In the **Create role** wizard, click the **Create a role from scratch** button.
2. Enter a **Role name**, which is required.

3. Optionally, enter a **Role description**.
4. Click the **Next** button. If the role name already exists, you must provide a different name before you can proceed.
5. Use the **Add permissions** window to select the application permissions to include in your role. By default, permissions are listed by application.
6. Optionally use the filter drop-down to filter by Applications, Resources, or Operations.

TIP

Use the list at the top of the wizard page to view all the permissions added to the role. You can click a permission to delete it.

7. Click the **Next** button to review details. You can click the **Submit** button to submit the role, the **Back** button to go back and make changes, or the **Cancel** button to cancel the action.

The role you created is available to add to a User Access group.

2.8.3. Copying an existing role

Copy an existing role when that role already contains many of the permissions you want to use and you need to change, add, or remove some permissions.

An existing role can be one of the predefined roles provided by Red Hat or it can be a previously created custom role. For a list of predefined roles provided by Red Hat, see section [Predefined User Access roles](#).



NOTE

You cannot modify a predefined role.

Prerequisites

- You are logged in to the [Red Hat Hybrid Cloud Console](#) as a user who has Organization Administrator permission.
- If you are not an Organization Administrator, you must be a member of a group that has the **User Access administrator** role assigned to it.
- You started the **Create role** wizard.

Procedure

1. In the **Create role** wizard, click the **Copy an existing role** button.
2. Click the button next to the role you want to copy.
3. Click the **Next** button.
4. The **Name and description** window shows a copy of the **Role name** and the existing **Role description** filled in. Make changes as needed.

5. Click the **Next** button. If the role name already exists, you must provide a different name before you can proceed.
6. Use the **Add permissions** window to select the application permissions to include in your role. By default, permissions are listed by application.

TIP

Custom roles only support granular permissions. Wildcard permissions, such as **approval:*:*** are not copied into a custom role.

7. Optionally use the filter drop-down to filter by Applications, Resources, or Operations.

TIP

Use the list at the top of the wizard page to view all the permissions added to the role. You can click a permission to delete it.

8. Click the **Next** button to review details. You can click the **Submit** button to submit the role, the **Back** button to go back and make changes, or the **Cancel** button to cancel the action.

The role you created is available to add to a User Access group.

2.8.4. Creating an application-specific role

Use the filters provided by the **Create role** wizard to create a role for a specific application. When you create a role for a specific application, the filters display the allowed **Resource type** and **Operation** for the selected application.

You can create application-specific roles that include more than one application.

Prerequisites

- You are logged in to the [Red Hat Hybrid Cloud Console](#) as a user who has Organization Administrator permission.
- If you are not an Organization Administrator, you must be a member of a group that has the **User Access administrator** role assigned to it.
- You started the **Create role** wizard.
- You are at the **Add permissions** step in the wizard.

Procedure

1. In the **Add permissions** window, click in the **Filter by application** field.
2. Choose the application by typing the first few letters of application name. The wizard shows the matching permissions for that application.
3. Optionally, use the navigation tools to scroll through the list of available applications and permissions.
4. Click the check box next to the permissions that you want in the application-specific role.

5. Click the **Next** button to review details. You can click the **Submit** button to submit the role, the **Back** button to go back and make changes, or the **Cancel** button to cancel the action.

2.8.5. Creating cost management application roles

You can create a role that is specific to the cost management application. When you create a cost management role, you define cost management resource definitions for that role. Other application roles do not provide that choice.

Prerequisites

- Cost management operator is installed and configured.
- You are logged in to the [Red Hat Hybrid Cloud Console](#) as a user who has Organization Administrator permission.
- If you are not an Organization Administrator, you must be a member of a group that has the **User Access administrator** role assigned to it.
- A minimum of one cloud integration is configured for cost management.
- You started the **Create role** wizard.

Procedure

This procedure describes how to create roles with cost management permissions from scratch.

1. In the **Create role** window, click on the radio button **Create a role from scratch**
2. Enter a **Role name** (required) and a **Role description** (optional).
3. Click the **Next** button to display the **Add permissions** window.
4. Enter **cost** in the **Filter by application** field to display the cost management application and click on the **cost-management** check box.
5. When the **Add permissions** window appears, click on the check box for each cost management permission to include in this role.
6. Click on the **Next** button to display the **Define Cost Management resources** window.
7. You will see a drop-down list of available **Resource definitions** for each application permission you added to the role. You must click on the check box for at least one resource in each cost management permission.
8. Click the **Next** button to review details. You can click the **Submit** button to submit the role, the **Back** button to go back and make changes, or the **Cancel** button to cancel the action.

2.8.5.1. Cost management example for creating a role from scratch

Prerequisites

- You are logged in to the [Red Hat Hybrid Cloud Console](#) as a user who has Organization Administrator permission.

- If you are not an Organization Administrator, you must be a member of a group that has the **User Access administrator** role assigned to it.
- A minimum of one cloud integration is configured for cost management.
- You started the **Create role** wizard.

Procedure

1. Start the **Create role** wizard and click on **Create a role from scratch**
2. Enter **AWS Org Unit Cost Viewer** for **Role name** and then click the **Submit** button. A description is not required.
3. Enter **cost** in the **Filter by application** field to display the cost management application and click on the **cost-management** check box.
4. Click the check box on the line that contains **aws.organizational_unit** and then click the **Next** button to display a drop-down list of available **Resource definitions** for the permission.
5. Click on the check box for at least one resource listed in the **Resource definitions** list and then click the **Next** button to review details.
6. After you review the details for this role, which show the **Permissions** and **Resource definitions**, click the **Submit** button to submit the role.



2.8.6. Editing custom role names

You can change the name of a custom role from the main roles page or from the **Permissions** page.


Prerequisites

- * You are logged in to the [Red Hat Hybrid Cloud Console](#) as a user who has Organization Administrator permission.
- If you are not an Organization Administrator, you must be a member of a group that has the **User Access administrator** role assigned to it.
- One or more custom role must exist.

Procedure

1. Navigate to the [Red Hat Hybrid Cloud Console > Settings > Identity & Access Management > User Access > Roles](#). The **Roles** window appears. In the **Roles** window, a custom role has **(more options)** to the right of its name. 
2. Click  **(more options)**.
3. Click on **Edit** to change the role name or description.
4. Click on **Delete** to remove the custom role.

TIP

You can also click on the role name to open the **Permissions** window and then click on the **(more options)** to the right of the role name to access the Edit and Delete actions. 

5. A confirmation window appears. After you confirm that this action cannot be undone, the custom role is deleted.



2.8.7. Removing permissions from a custom role

You can remove permissions from a custom role.

Prerequisites

- You are logged in to the [Red Hat Hybrid Cloud Console](#) as a user who has Organization Administrator permission.
- If you are not an Organization Administrator, you must be a member of a group that has the **User Access administrator** role assigned to it.
- One or more custom role must exist.

Procedure

1. Navigate to the [Red Hat Hybrid Cloud Console > Settings > Identity & Access Management > User Access > Roles](#). The **Roles** window appears. In the **Roles** window, a custom role has **(more options)** to the right of its name. 
2. Click on a custom role name to open the **Permissions** window.
3. In the **Permissions** list, click the  **(more options)** to the right of an application permission name and click **Remove**.
4. A confirmation window appears. Click **Remove permission**.

2.8.8. Restoring the Default access group

You can restore the **Default access** group to its state as provided by Red Hat services. When you do so, the **Custom default access** group is removed along with any changes made to that group.

There is no way to recover the **Custom default access** group when you restore the **Default access** group.

Reasons to restore the **Default access** group:

- You made changes to the **Default access** group that were not intended.
- You want to start over with the **Default access** group.
- You want to remove the **Custom default access** group.
- You want to pick up changes to the the **Default access** group pushed out by Red Hat services and abandon the **Custom default access** group.

**NOTE**

One of the default groups, either the **Default access** group or the **Custom default access** group, always exists on your system.

Prerequisites

- You are logged in to the [Red Hat Hybrid Cloud Console](#) as a user who has Organization Administrator permission.
- If you are not an Organization Administrator, you must be a member of a group that has the **User Access administrator** role assigned to it.
- The **Custom default access** group must exist.

Procedure

1. Navigate to the [Red Hat Hybrid Cloud Console > Settings > Identity & Access Management > User Access > Groups](#). The **Groups** page is displayed.
2. Click **Custom default access** on the **Groups** page.
3. Click **Restore to default** and accept the caution message. **Default access** appears on the **Groups** page.

CHAPTER 3. PREDEFINED USER ACCESS ROLES

The following table lists the predefined roles provided with User Access. Some of the predefined roles are included in the **Default access** group, which includes all authenticated users in your organization.

Only the Organization Administrator users in your organization inherit the roles in the **Default admin access** group. Because this group is provided by Red Hat, it is updated automatically when Red Hat assigns roles to the **Default admin access** group.

For more information about viewing predefined roles, see [Chapter 2, Procedures for configuring User Access](#).

NOTE

Predefined roles are updated and modified by Red Hat and cannot be modified. The table might not contain all currently available predefined roles.

Table 3.1. Predefined roles provided with User Access

Role name	Description	Default access group	Default admin access group
Compliance administrator	A Compliance role that grants full access to any Compliance resource.		X
Compliance viewer	A Compliance role that grants read access to any Compliance resource.	X	
Drift analysis administrator	Perform any available operation against any Drift Analysis resource.		X
Drift viewer	Perform read only operation against Drift Analysis resources.	X	
RHEL Advisor administrator	Perform any available operation against any RHEL Advisor resource.	X	
Inventory Groups Administrator	Be able to read and edit Inventory Groups data.		X
Inventory Groups Viewer	Be able to read Inventory Groups data.		
Inventory Hosts Administrator	Be able to read and edit Inventory Hosts data.	X	X

Role name	Description	Default access group	Default admin access group
Inventory Hosts Viewer	Be able to read Inventory Hosts data.		
Inventory administrator	Perform any available operation against any Inventory resource.		
Malware detection administrator	Perform any available operation against any malware-detection resource.		X
Malware detection viewer	Read any malware-detection resource.		
Notifications administrator	Perform any available operation against Notifications and Integrations applications.		X
Notifications viewer	Read only access to notifications and integrations applications.		
Patch administrator	Perform any available operation against any Patch resource.		X
Patch viewer	Read any Patch resource.	X	
Policies administrator	Perform any available operation against any Policies resource.		X
Policies viewer	Perform read only operation against any Policies resource.	X	
Remediations administrator	Perform any available operation against any Remediations resource		

Role name	Description	Default access group	Default admin access group
Remediations user	Perform create, view, update, delete operations against any Remediations resource.	X	
Resource Optimization administrator	Perform any available operation against any Resource Optimization resource.		X
Resource Optimization user	A Resource Optimization user role that grants read only permission.	X	
Tasks administrator	Perform any available operation against any Tasks resource.		X
User Access administrator	Grants a non-org admin full access to configure and manage user access to services hosted on console.redhat.com. This role can only be viewed and assigned by Organization Administrators.		
User Access principal viewer	Grants a non-org admin read access to principals within user access.		
Vulnerability administrator	Perform any available operation against any Vulnerability resource.		X
Vulnerability viewer	Read any Vulnerability resource.	X	

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We appreciate your feedback on our documentation. Provide as much detail as possible so that your request can be addressed.

Prerequisites

- You have a Red Hat account. If you do not have a Red Hat account, you can create one by clicking **Register** on the [Red Hat Customer Portal](#) home page.
- You are logged in to your Red Hat account.

Procedure

1. To provide your feedback, click the following link: [Create Issue](#)
2. Describe the issue or enhancement in the **Summary** text box.
3. Provide more details about the issue or enhancement in the **Description** text box.
4. If your Red Hat user name does not automatically appear in the **Reporter** text box, enter it.
5. Scroll to the bottom of the page and then click the **Create** button. A documentation issue is created and routed to the appropriate documentation team.

Thank you for taking the time to provide feedback.