

# Conductor Roles and Permissions

Interaction Design

**Date:** 17 December 2012

**Version:** 0.1



**AEOLUS™**

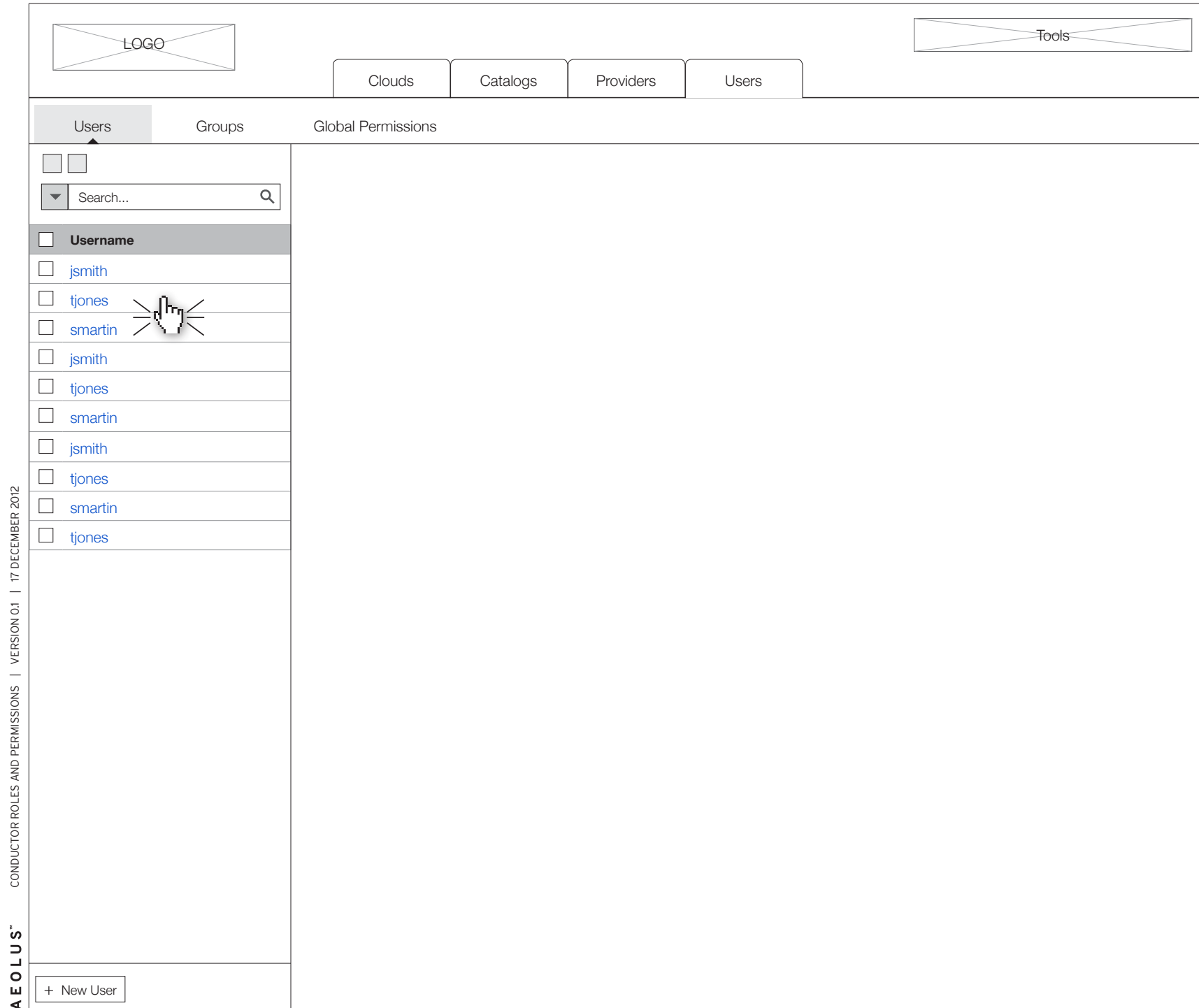
## What's in this doc

This document shows an updated concept for how role mapping between users/groups and resources is managed

- **From a user's perspective**
- **From a group's perspective**
- **From a resource's perspective**

This work is an update to a previous document (Conductor Roles and Permissions UX Evaluation) which was presented at the Aeolus Developer Conference in Brno on 7 Nov 2012 and can be found here:

<http://www.aeolusproject.org/docs/presentations/2012-nov-conference/jeperry-ConductorRolesEvaluation2012-11-07.pdf>



## A note about navigation and two-pane layout

The design shown is based on Jaromir's exploration of new navigation and a two pane view for conductor.

[http://conductor.jaromircoufal.cz/conductor\\_concept.pdf](http://conductor.jaromircoufal.cz/conductor_concept.pdf)

[http://conductor.jaromircoufal.cz/new\\_conductor-ui\\_navigation-restructuring.html](http://conductor.jaromircoufal.cz/new_conductor-ui_navigation-restructuring.html)

The designs for roles and permissions in this document have no dependency on the adoption of this layout and navigation.

LOGO

Tools

Clouds

Catalogs

Providers

Users

Users

Groups

Global Permissions

Search...

Q

Username

jsmith

tjones

smartin

jsmith

tjones

smartin

jsmith

tjones

smartin

jsmith

tjones

+ New User

tjones

1

Details

Groups

Permissions

Disable

Delete

Username

tjones

First Name

Thomas

Last Name

Jones

email

tjones@email.com

Quota Limit

Unlimited

Maximum running instances

Currently using 48 instances

Change Password

Undo Changes

Save

Created

Wed, 03 Oct 2012 15:36:46 -0400

Total Logins

31 successful, 2 failed

Modified

Wed, 03 Oct 2012 15:36:46 -0400

Last Login

November 01, 2012 20:57 from 000.00.00.0

- ### Example of user details in two-pane
- Click on Permissions to view permissions for this user.

[illegible]

## Permissions View

1. Select to manage global permissions or permissions for each resource type.

View Permissions For:

- Clouds
  - Global Permissions
  - 
  - ✓ Clouds
  - Catalogs
  - Resource Zones
  - Providers
  - Provider Accounts
  - Applications
  - Instances

2. For resource types, the table shows all resources of the selected type, and any role a user has that grants permissions on that resource, regardless of how that permission is granted.
3. Users can pause or click on role names to see detailed role descriptions, and more info about how the role is granted (if not direct).

LOGO

Tools

CloudsCatalogsProvidersUsers

UsersGroupsGlobal Permissions

Search...

Username

jsmith

tjones

smartin

jsmith

tjones

smartin

jsmith

tjones

smartin

tjones

+ New User

tjones

DisableDelete

DetailsGroupsPermissions

View Permissions For:

Resource Zones

Name

Revoke Access

Assign Role

tjones

has permissions on 41 Resource Zones.

	Name	Roles	
	[All Resource Zones]	<div><div></div>Global Resource Zone User</div>	
	Aerie	<div><div></div>Resource Zone User</div>	<div>Edit Roles</div>
	dev01	<div>Resource Zone User, Resource Zone AppForm Blueprint Administrator</div>	<div>Edit Roles</div>
	dev02	<div><div></div>Resource Zone User</div>	<div>Edit Roles</div>
	dev03	<div><div></div>Resource Zone User</div>	<div>Edit Roles</div>
	dev04	<div><div></div>Resource Zone User</div>	<div>Edit Roles</div>
	dev05	<div><div></div>Resource Zone User</div>	<div>Edit Roles</div>
	dev06	<div><div></div>Resource Zone User</div>	<div>Edit Roles</div>
	dev07	<div>Resource Zone User, Resource Zone AppForm Blueprint Administrator</div>	<div>Edit Roles</div>
	dev08	<div><div></div>Resource Zone User</div>	<div>Edit Roles</div>
	Foggy1	<div><div></div>Resource Zone User</div>	<div>Edit Roles</div>
	Foggy2	<div><div></div>Resource Zone User</div>	<div>Edit Roles</div>
	Mist 1	<div>Resource Zone AppForm Blueprint Administrator</div>	<div>Edit Roles</div>
	Mist 2	<div><div></div>Resource Zone AppForm Blueprint Administrator</div>	<div>Edit Roles</div>
	Precipitation	<div><div></div>Resource Zone Administrator</div>	<div>Edit Roles</div>
	Storm	<div><div></div>Cloud Administrator</div>	<div>Edit Roles</div>

- ## Types and sources of grant indicated visually
- While the list provides a complete view of a user’s access on resources, users should understand that only direct grants can be modified from this view.
1. Direct grants on a resource, which can be modified here, are shown without special treatment.
  2. Non-direct grants (inherited roles on a parent resource, indirect grants via groups, and global roles) are distinguished with a special visual treatment; shown here with a color background and icon.
  3. If a user has global permission that applies to the type of resource listed, it is noted first in the list.
  4. Click Edit Roles to go to the Role assignments page and manage direct access.

LOGO

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Search...

Username

jsmith

tjones

smartin

jsmith

tjones

smartin

jsmith

tjones

smartin

tjones

+ New User

tjones

Disable

Delete

Details

Groups

Permissions

Select roles for **tjones** on the Resource Zone named **Foggy2**:

Direct Grant	Granted via Group	Role and Description
<input type="checkbox"/>	No	<b>Resource Zone User</b> Users with this role can view and use a Resource Zone. This role is necessary for any user to be able to launch AppForms and instances in this Resource Zone. <div><div>1</div><div>View Details</div></div>
<input type="checkbox"/>	No	<b>Resource Zone AppForm Blueprint Administrator</b> Users with this role have full administrative permission on catalogs and AppForm Blueprints in the Resource Zone. Grant <b>Resource Zone User</b> to also allow the user to launch applications and instances in this cloud Resource Zone. <div>View Details</div>
<input type="checkbox"/>	No	<b>Resource Zone Administrator</b> Users with this role have full administrative permission on a Resource Zone and all of the resources it contains. It is a superset of all permissions of <b>Resource Zone User</b> and <b>Resource Zone Blueprint Administrator</b> , with additional privileges on the Resource Zone itself and all resources it contains.. <div>View Details</div>

Apply Changes

Cancel

Role Assignment page

**Example: No existing grants apply**

Each role that can be granted directly is listed with a checkbox to grant the role.

A column indicates whether the role is also granted to any group the user is a member of.

There is no limit to the number of roles that may granted at once.

1. User can click ‘View Details” to expand and see detailed permission info for a role.

LOGO

Tools

Clouds

Catalogs

Providers

Users

Users

Groups

Global Permissions

▼

Search...

Q

☐ Username

☐ jsmith

☐ tjones

☐ smartin

☐ jsmith

☐ tjones

☐ smartin

☐ jsmith

☐ tjones

☐ smartin

☐ tjones

+ New User

tjones

Disable

Delete

Details

Groups

Permissions

Select roles for **tjones** on the Resource Zone named **Foggy2**:

Direct Grant	Granted via Group	Role and Description
<input type="checkbox"/>	No	<div><b>Resource Zone User</b></div> <div>Users with this role can view and use a Resource Zone. This role is necessary for any user to be able to launch AppForms and instances in this Resource Zone.</div> <div>The user can:</div> <div><ul style="list-style-type: none"><li>View this Resource Zone</li><li>View quota usage for this Resource Zone</li><li>Launch instances within this Resource Zone (4)</li><li>Launch AppForms within this Resource Zone (2)</li><li>View <a href="#">AppForm Blueprints associated with catalogs in this Resource Zone (113)</a></li><li>Launch applications based on AppForm blueprints associated with catalogs in this Resource Zone</li><li>View <a href="#">catalogs in this Resource Zone (2)</a></li></ul></div> <div><a href="#">Hide Details</a></div>

| ☐ | No | **Resource Zone AppForm Blueprint Administrator**  Users with this role have full administrative permission on catalogs and AppForm Blueprints in the Resource Zone. Grant **Resource Zone User** to also allow the user to launch applications and instances in this cloud Resource Zone.  [View Details](#) |

| ☐ | No | **Resource Zone Administrator**  Users with this role have full administrative permission on a Resource Zone and all of the resources it contains. It is a superset of all permissions of **Resource Zone User** and **Resource Zone Blueprint Administrator**, with additional privileges on the Resource Zone itself and all resources it contains..  [View Details](#) |

Apply Changes

Cancel

# Role Assignment page

## Viewing role details

The detailed role description could provide links to “child” resources that are affected by this grant.

1. In this case if the user is granted Resource Zone User on Foggy2, we can see that they will be able to view two catalogs associated with Foggy2. The links would allow the user to know more about those catalogs before granting (or removing) access.



LOGO

Tools

CloudsCatalogsProvidersUsers

UsersGroupsGlobal Permissions

▼

Search...

Q

☐

Username

☐

jsmith

☒

tjones

☐

smartin

☐

jsmith

☐

tjones

☐

smartin

☐

jsmith

☐

tjones

☐

smartin

☐

tjones

+ New User

tjones

Disable

Delete

DetailsGroupsPermissions

Select roles for **tjones** on the Resource Zone named **Foggy2**:

Direct Grant	Granted via Group	Role and Description
<div><div><input checked="" type="checkbox"/></div><div>1</div></div>	No	<div><div><b>Resource Zone User</b></div><div>Users with this role can view and use a Resource Zone. This role is necessary for any user to be able to launch AppForms and instances in this Resource Zone.</div><div><a href="#">View Details</a></div></div>
<div><div><input type="checkbox"/></div></div>	No	<div><div><b>Resource Zone AppForm Blueprint Administrator</b></div><div>Users with this role have full administrative permission on catalogs and AppForm Blueprints in the Resource Zone. Grant <b>Resource Zone User</b> to also allow the user to launch applications and instances in this cloud Resource Zone.</div><div><a href="#">View Details</a></div></div>
<div><div><input type="checkbox"/></div></div>	No	<div><div><b>Resource Zone Administrator</b></div><div>Users with this role have full administrative permission on a Resource Zone and all of the resources it contains. It is a superset of all permissions of <b>Resource Zone User</b> and <b>Resource Zone Blueprint Administrator</b>, with additional privileges on the Resource Zone itself and all resources it contains..</div><div><a href="#">View Details</a></div></div>

Apply Changes

Cancel

## Role Assignment page

### Example: Direct grant applied

1. A granted role is indicated with marked checkbox and darker background treatment.

LOGO

Tools

Clouds

Catalogs

Providers

Users

Users

Groups

Global Permissions

Search...

Username

jsmith

tjones

smartin

jsmith

tjones

smartin

jsmith

tjones

smartin

tjones

smartin

tjones

tjones

Disable

Delete

Details

Groups

Permissions

Select roles for **tjones** on the Resource Zone named **Foggy2**:

Note: This user is a member of one or more groups that grant access to this resource.

Direct Grant	Granted via Group	Role and Description
<input type="checkbox"/>	Yes (1)	<b>Resource Zone User</b> Users with this role can view and use a Resource Zone. This role is necessary for any user to be able to launch AppForms and instances in this Resource Zone. <a href="#">View Details</a>
<input type="checkbox"/>	No	<b>Resource Zone AppForm Blueprint Administrator</b> Users with this role have full administrative permission on catalogs and AppForm Blueprints in the Resource Zone. Grant <b>Resource Zone User</b> to also allow the user to launch applications and instances in this cloud Resource Zone. <a href="#">View Details</a>
<input type="checkbox"/>	No	<b>Resource Zone Administrator</b> Users with this role have full administrative permission on a Resource Zone and all of the resources it contains. It is a superset of all permissions of <b>Resource Zone User</b> and <b>Resource Zone Blueprint Administrator</b> , with additional privileges on the Resource Zone itself and all resources it contains.. <a href="#">View Details</a>

Apply Changes

Cancel

+ New User

Role Assignment page

**Example: A role is already indirectly granted via a group membership**

1. When a role is granted indirectly via one or more groups that the user is a member of, it is indicated on the role assignment page.

Users may simultaneously have a direct grant in addition to an indirect grant for the same role. This is just like having two keys for one door.

An example of how this can happen is when a user has a direct grant and is subsequently added to a group with the same role.

When checking permissions, all that matters is that there’s at least one grant that gives the needed privilege.

10

LOGO

Tools

CloudsCatalogsProvidersUsers

UsersGroupsGlobal Permissions

▼

Search...

☐

Username

☐

jsmith

☐

tjones

☐

smartin

☐

jsmith

☐

tjones

☐

smartin

☐

jsmith

☐

tjones

☐

smartin

☐

tjones

+ New User

tjones

DisableDelete

DetailsGroupsPermissions

Select roles for **tjones** on the Resource Zone named **Foggy2**:  
Note: One or more global roles apply to this resource. [Manage Global Roles for tjones](#)

Direct Grant	Granted via Group	Role and Description
Yes	No	<div><div><div></div><div><b>Global Resource Zone User</b></div></div><div>Users with this role can view and use a Resource Zone. This role is necessary for any user to be able to launch AppForms and instances in this Resource Zone. <a href="#">View Details</a></div></div>
<input type="checkbox"/>	No	<div><div><div></div><div><b>Resource Zone User</b></div></div><div>Users with this role can view and use a Resource Zone. This role is necessary for any user to be able to launch AppForms and instances in this Resource Zone. <a href="#">View Details</a></div></div>
<input type="checkbox"/>	No	<div><div><div></div><div><b>Resource Zone AppForm Blueprint Administrator</b></div></div><div>Users with this role have full administrative permission on catalogs and AppForm Blueprints in the Resource Zone. Grant <b>Resource Zone User</b> to also allow the user to launch applications and instances in this cloud Resource Zone. <a href="#">View Details</a></div></div>
<input type="checkbox"/>	No	<div><div><div></div><div><b>Resource Zone Administrator</b></div></div><div>Users with this role have full administrative permission on a Resource Zone and all of the resources it contains. It is a superset of all permissions of <b>Resource Zone User</b> and <b>Resource Zone Blueprint Administrator</b>, with additional privileges on the Resource Zone itself and all resources it contains.. <a href="#">View Details</a></div></div>

Apply Changes

Cancel

## Role Assignment page

### Example: A global role applies

When a global role is granted either directly to the user, or indirectly via a group that the user is a member of, it is included on the role assignment page but is not editable.

1. This example shows that the user has Global Resource Zone User which grants permissions on all Resource Zones.

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Clouds

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Users

Users

Groups

Global Permissions

▼

Search...

Username

jsmith

tjones

smartin

jsmith

tjones

smartin

jsmith

tjones

smartin

tjones

+ New User

tjones

Disable

Delete

Details

Groups

Permissions

Select roles for **tjones** on the Resource Zone named **Foggy2**:

Note: One or more roles that are granted on a parent resource also apply to this resource.

Direct Grant	Granted via Group	Role and Description
<div>Yes</div>	No	<div><div>↑ Cloud Administrator (granted on BigCloud01)</div><div>Users with this role can lorem ipsum.an met quia velluptat ere et odignatis rent aliqui dolor se vende vende dolore idenim et es essit, atqui abore remquia sperissintus ut explibe aribus conse platenem fugiam cus.</div><div>View Details</div></div>
<div><input type="checkbox"/></div>	No	<div><div>Resource Zone User</div><div>Users with this role can view and use a Resource Zone. This role is necessary for any user to be able to launch AppForms and instances in this Resource Zone.</div><div>View Details</div></div>
<div><input type="checkbox"/></div>	No	<div><div>Resource Zone AppForm Blueprint Administrator</div><div>Users with this role have full administrative permission on catalogs and AppForm Blueprints in the Resource Zone. Grant <b>Resource Zone User</b> to also allow the user to launch applications and instances in this cloud Resource Zone.</div><div>View Details</div></div>
<div><input type="checkbox"/></div>	No	<div><div>Resource Zone Administrator</div><div>Users with this role have full administrative permission on a Resource Zone and all of the resources it contains. It is a superset of all permissions of <b>Resource Zone User</b> and <b>Resource Zone Blueprint Administrator</b>, with additional privileges on the Resource Zone itself and all resources it contains..</div><div>View Details</div></div>

Apply Changes

Cancel

## Role Assignment page

### Example: A role is inherited via a grant on a parent resource

Similar to a global role, when permission is granted via a role on a parent resource (directly or indirectly), the inherited parent resource role is included on the role assignment page but is not editable.

1. This example shows that the user has Cloud Administrator on the parent resource (cloud) named Big-Cloud01.

LOGO

Tools

Clouds

Catalogs

Providers

Users

Users

Groups

Global Permissions

Search...

Username

jsmith

tjones

smartin

jsmith

tjones

smartin

jsmith

tjones

smartin

tjones

+ New User

tjones

Disable

Delete

Details

Groups

Permissions

Select roles for **tjones** on the Resource Zone named **Foggy2**:

Note: One or more global roles apply to this resource. [Manage Global Roles for tjones](#). One or more roles that are granted on a parent resource also apply to this resource.

Direct Grant	Granted via Group	Role and Description
Yes	No	<div><div><div><div></div><div>Global Resource Zone User</div></div><div>Users with this role can view and use a Resource Zone. This role is necessary for any user to be able to launch AppForms and instances in this Resource Zone.</div><div><a href="#">View Details</a></div></div></div>
No	Yes (3)	<div><div><div><div></div><div>Cloud Administrator (granted on <a href="#">BigCloud01</a>)</div></div><div>Users with this role can lorem ipsum.an met quia velluptat ere et odignatis rent aliqui dolor se vende vende volore idenim et es essit, atqui abore remquia sperissintus ut explibe aribus conse platenem fugiam cus.</div><div><a href="#">View Details</a></div></div></div>
<div><div></div></div>	No	<div><div><div><div></div><div>Resource Zone User</div></div><div>Users with this role can view and use a Resource Zone. This role is necessary for any user to be able to launch AppForms and instances in this Resource Zone.</div><div><a href="#">View Details</a></div></div></div>
<div><div><div></div></div></div>	Yes (1)	<div><div><div><div></div><div>Resource Zone AppForm Blueprint Administrator</div></div><div>Users with this role have full administrative permission on catalogs and AppForm Blueprints in the Resource Zone. Grant <b>Resource Zone User</b> to also allow the user to launch applications and instances in this cloud Resource Zone.</div><div><a href="#">View Details</a></div></div></div>
<div><div></div></div>	No	<div><div><div><div></div><div>Resource Zone Administrator</div></div><div>Users with this role have full administrative permission on a Resource Zone and all of the resources it contains. It is a superset of all permissions of <b>Resource Zone User</b> and <b>Resource Zone Blueprint Administrator</b>, with additional privileges on the Resource Zone itself and all resources it contains..</div><div><a href="#">View Details</a></div></div></div>

Role Assignment page

**Example: Multiple grant types**

As shown here, it is possible for a user to have a combination of global, inherited, and resource roles that are directly or indirectly granted.

Order for roles to display:

1. Global (if applicable)
2. Inherited (if applicable)
3. Resource

Within each set above, roles can be displayed in order of number of permissions, starting with fewest permissions.

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Global Permissions

Search...

Username

jsmith

tjones

smartin

jsmith

tjones

smartin

jsmith

tjones

smartin

tjones

+ New User

tjones

Disable

Delete

Details

Groups

Permissions

View Permissions For:

Global Permissions

Direct Grant	Granted via Group	Role and Description
<input type="checkbox"/>	Yes (1)	<div><div><div></div></div><div><b>Global Hardware Profile User (Recommended for all users)</b></div><div>Allows users to view any hardware profile, which are necessary to launch applications and instances in any pool. If you remove this role, the user will no longer have access to hardware profiles and will not be able to launch applications or instances..</div><div><a href="#">View Details</a></div></div>
<input type="checkbox"/>	No	<div><div><div></div></div><div><b>Global Hardware Profile Administrator</b></div><div>Users with this role Met quia velluptat ere et odignatis rent aliqui dolor se vende vende volore idenim et es essit, atqui abore remquia sperissintus ut explibe aribus conse platenem fugiam cus.</div><div><a href="#">View Details</a></div></div>
<input type="checkbox"/>	No	<div><div><div></div></div><div><b>Global Provider User</b></div><div>Users with this role Met quia velluptat ere et odignatis rent aliqui dolor se vende vende volore idenim et es essit, atqui abore remquia sperissintus ut explibe aribus conse platenem fugiam cus.</div><div><a href="#">View Details</a></div></div>
<input type="checkbox"/>	No	<div><div><div></div></div><div><b>Global Provider Administrator</b></div><div>Users with this role Met quia velluptat ere et odignatis rent aliqui dolor se vende vende volore idenim et es essit, atqui abore remquia sperissintus ut explibe aribus conse platenem fugiam cus.</div><div><a href="#">View Details</a></div></div>
<input type="checkbox"/>	No	<div><div><div></div></div><div><b>Global Realm Administrator</b></div><div>Users with this role Met quia velluptat ere et odignatis rent aliqui dolor se vende vende volore idenim et es essit, atqui abore remquia sperissintus ut explibe aribus conse platenem fugiam cus.</div><div><a href="#">View Details</a></div></div>

Apply Changes

Cancel

Setting global roles

1. The global roles view shows a list of all global roles, similar to any individual resource type. This is the default view when inspecting a user’s permissions.

Not shown (off screen): As with other role assignment views, buttons at the bottom of the list allow the user to save or cancel changes.

## **Search / Lookup from user permission list**

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Tools

Clouds

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Global Permissions

Search...

Q

Username

jsmith

tjones

smartin

jsmith

tjones

smartin

jsmith

tjones

smartin

tjones

+ New User

tjones

Disable

Delete

Details

Groups

Permissions

View Permissions For:

Resource Zones

Name

Vap

tjones

has permissions on 3 Resource Zones matching your search.

[Broaden to see all matching results](#)

Revoke Access

Assign Role

	Name	Roles	
	Vaptron	Resource Zone User	Edit Roles
	Vapman	Resource Zone User	Edit Roles
	Vapper	Resource Zone User	Edit Roles

## Resource permission lookup with dynamic list filtering

When a user or group has a large number of resources to which they have permission, it may be faster to type the name of a specific resource to find it in the list.

1. Type part of the name of a resource.
2. The list on the page updates dynamically to only show matches from the current list.
3. User can click a link to pivot to a broader list of all resources of this type whether tjones has permission or not.

This is particularly useful for the troubleshooting scenarios, when you want to ensure that a user or group has access to a resource, and then discover that they do not.



LOGO

Tools

CloudsCatalogsProvidersUsers

UsersGroupsGlobal Permissions

Search...

Username

jsmith

tjones

smartin

jsmith

tjones

smartin

jsmith

tjones

smartin

tjones

+ New User

tjones

DisableDelete

DetailsGroupsPermissions

View Permissions For:

Resource Zone

Name

Vap

User's Permissions

Any

Showing 18 results

Clear Search

Revoke AccessAssign Role

	Name	Roles	
<input type="checkbox"/>	VAPO	User has no permissions	Edit Roles
<input type="checkbox"/>	Vapor	User has no permissions	Edit Roles
<input type="checkbox"/>	Vapor-Dev	User has no permissions	Edit Roles
<input type="checkbox"/>	Vapor-Test	User has no permissions	Edit Roles
<input type="checkbox"/>	Vaptron	Resource Zone User	Edit Roles
<input type="checkbox"/>	dev-vap	User has no permissions	Edit Roles
<input type="checkbox"/>	test-vap	User has no permissions	Edit Roles
<input type="checkbox"/>	Vapman	Resource Zone User	Edit Roles
<input type="checkbox"/>	Vapper	Resource Zone User	Edit Roles
<input type="checkbox"/>	Vappid	User has no permissions	Edit Roles
<input type="checkbox"/>	Lorem-Vapor-Dev	User has no permissions	Edit Roles
<input type="checkbox"/>	Lorem-Vapor-Test	User has no permissions	Edit Roles
<input type="checkbox"/>	Livaporate	User has no permissions	Edit Roles
<input type="checkbox"/>	lev-vap	User has no permissions	Edit Roles
<input type="checkbox"/>	zest-vap	User has no permissions	Edit Roles
<input type="checkbox"/>	zapvap	User has no permissions	Edit Roles

## Show all matching resources

When the user selects to see all resources, an additional scoping filter is added, indicating that the interface is now showing more than just resources that the user has permissions on.

User's Permissions

Any

User has permissions

User has no permissions

☒ Any

From this view, the user can

- Edit the roles for any of the results, including those where permissions are not currently granted
- Modify the query to see different results
- Click ‘Clear Search’ to return to the default state

## Managing roles for a group

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Global Permissions

▼

Search...

Groups

LoremGroup

Foggy-Admins

LoremGroup

LoremGroup

LoremGroup

LoremGroup

LoremGroup

LoremGroup

LoremGroup

LoremGroup

LoremGroup

+ New User

Foggy-Admins

Details

Groups

Permissions

Select roles for **Foggy-Admins** on the Resource Zone named **Foggy2:**

Note: One or more global roles apply to this resource. [Manage Global Roles for tjones](#). One or more roles that are granted on a parent resource also apply to this resource.

Direct Grant	Role and Description
Yes	<div><div></div><div><b>Global Resource Zone User</b></div><div>Users with this role can view and use a Resource Zone. This role is necessary for any user to be able to launch AppForms and instances in this Resource Zone.</div><div><a href="#">View Details</a></div></div>
Yes	<div><div></div><div><b>Cloud Administrator</b> (granted on <a href="#">BigCloud01</a>)</div><div>Users with this role can lorem ipsum.an met quia velluptat ere et odignatis rent aliqui dolor se vende vende volore idenim et es essit, atqui abore remquia sperissintus ut explibe aribus conse platenem fugiam cus.</div><div><a href="#">View Details</a></div></div>
	<div><div></div><div><b>Resource Zone User</b></div><div>Users with this role can view and use a Resource Zone. This role is necessary for any user to be able to launch AppForms and instances in this Resource Zone.</div><div><a href="#">View Details</a></div></div>
<input checked="" type="checkbox"/>	<div><div></div><div><b>Resource Zone AppForm Blueprint Administrator</b></div><div>Users with this role have full administrative permission on catalogs and AppForm Blueprints in the Resource Zone. Grant <b>Resource Zone User</b> to also allow the user to launch applications and instances in this cloud Resource Zone.</div><div><a href="#">View Details</a></div></div>
	<div><div></div><div><b>Resource Zone Administrator</b></div><div>Users with this role have full administrative permission on a Resource Zone and all of the resources it contains. It is a superset of all permissions of <b>Resource Zone User</b> and <b>Resource Zone Blueprint Administrator</b>, with additional privileges on the Resource Zone itself and all resources it contains..</div><div><a href="#">View Details</a></div></div>

## Role Assignment page for group

Role assignment for group is nearly identical to role assignment on users, except the “Granted via Group” column is not present because groups cannot belong to other groups.

This page shows a group that has a global role, a role on a parent resource, and one resource role selected.

## Managing roles on resources

LOGO

Tools

CloudsCatalogsProvidersUsers

OverviewCloudsResource ZonesAppForms

Search...

Clouds

Aerie

dev01

dev02

dev03

dev04

dev05

dev06

dev07

dev08

dev09

Foggy1

Foggy2

Foggy3

Mist 1

Mist 2

Precipitation

Storm01

Storm02

Storm03

Storm04

+ New Resource Zone

Foggy2

DisableDelete

OverviewAppformsAppForm BlueprintsPermissions

View Permissions For:

Groups

Name

113 groups have permissions on Foggy2

Add Groups

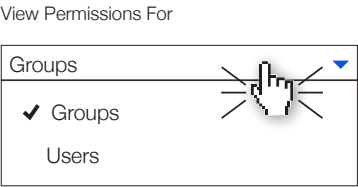
Name	Roles	
Area Leads	Resource Zone User, Resource Zone AppForm Blueprint Administrator	Edit Roles
Area Admins	Cloud Administrator	Edit Roles
east	Resource Zone User	Edit Roles
east-devs	Resource Zone User	Edit Roles
east-devs-2	Resource Zone User	Edit Roles
east-devs-3	Resource Zone User	Edit Roles
east-devs-4	Resource Zone Administrator	Edit Roles
Global RZ Admins	Global Resource Zone Administrator	Edit Roles
north-devs-2	Resource Zone Administrator	Edit Roles
north-devs-3	Resource Zone User	Edit Roles
ops0	Resource Zone User	Edit Roles
ops1	Resource Zone User	Edit Roles
ops2	Resource Zone User, Resource Zone AppForm Blueprint Administrator	Edit Roles
ops3	Resource Zone User, Resource Zone AppForm Blueprint Administrator	Edit Roles
ops4	Resource Zone Administrator	Edit Roles
ops5	Resource Zone User	Edit Roles

## Role assignment on resource

Users can assign roles from the resource perspective by navigating to the permissions view for the resource.

Using a similar layout as the user or group perspective, here you can see who has what access in a simple grid.

1. The default view is to see all groups with permissions, users can switch to the user view to see all users with permissions.



2. Adding a group shows a group picker interface.

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dev02

dev03

dev04

dev05

dev06

dev07

dev08

dev09

Foggy1

Foggy2

Foggy3

Mist 1

Mist 2

Precipitation

Storm01

Storm02

Storm03

Storm04

+ New Resource Zone

Foggy2

DisableDelete

OverviewAppformsAppForm BlueprintsPermissions

View Permissions For:

Users

Name

35 users have permissions on Foggy2

Add Users

	Name	Roles	
	aadams	Resource Zone User	Edit Roles
	aboswell	Resource Zone User	Edit Roles
	ajones	Resource Zone User, Resource Zone AppForm Blueprint Administrator	Edit Roles
	asmith	Resource Zone Administrator	Edit Roles
	ataylor	Resource Zone User	Edit Roles
	awilliams	Resource Zone User	Edit Roles
	azappa	Resource Zone User	Edit Roles
	badams	Resource Zone User	Edit Roles
	bbrinkman	Global Resource Zone Administrator	Edit Roles
	bbaily	Resource Zone User	Edit Roles
	bcousak	Resource Zone User	Edit Roles
	bdyke	Resource Zone User, Resource Zone AppForm Blueprint Administrator	Edit Roles
	bedwards	Resource Zone User	Edit Roles
	cjones	Resource Zone User	Edit Roles
	cmorris	Resource Zone User	Edit Roles
	dcarriagan	Resource Zone User	Edit Roles
	epfieffer	Resource Zone User	Edit Roles

## Role assignment on resource

Similar to the view for Groups, the Users view shows all the users who have permissions and their roles.

1. Clicking a checkbox shows bulk actions (next page).

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Clouds

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dev07

dev08

dev09

Foggy1

Foggy2

Foggy3

Mist 1

Mist 2

Precipitation

Storm01

Storm02

Storm03

Storm04

+ New Resource Zone

Foggy2

DisableDelete

OverviewAppformsAppForm BlueprintsPermissions

View Permissions For:

Users

Name

35 users have permissions on Foggy2

Revoke AccessAssign Role

	Name	Roles	
	aadams	Resource Zone User	Edit Roles
	aboswell	Resource Zone User	Edit Roles
	ajones	Resource Zone User, Resource Zone AppForm Blueprint Administrator	Edit Roles
	asmith	Resource Zone Administrator	Edit Roles
<input checked="" type="checkbox"/>	ataylor	Resource Zone User	Edit Roles
	awilliams	Resource Zone User	Edit Roles
	azappa	Resource Zone User	Edit Roles
	badams	Resource Zone User	Edit Roles
	bbrinkman	Global Resource Zone Administrator	Edit Roles
	bbaily	Resource Zone User	Edit Roles
	bcousak	Resource Zone User	Edit Roles
	bdyke	Resource Zone User, Resource Zone AppForm Blueprint Administrator	Edit Roles
	bedwards	Resource Zone User	Edit Roles
	cjones	Resource Zone User	Edit Roles
	cmorris	Resource Zone User	Edit Roles
	dcarriagan	Resource Zone User	Edit Roles
	epfieffer	Resource Zone User	Edit Roles

Bulk actions

- 1. Select any number of users or groups and revoke access or assign roles in bulk.

Assign Role

Resource Zone User

Resource Zone AppForm Blueprint Administrator

Resource Zone Administrator

Redundant assignments should be ignored silently and exceptions should be handled gracefully.

LOGO

Tools

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OverviewCloudsResource ZonesAppForms

▼

Search...

Q

☐ Clouds

☐ Aerie

☐ dev01

☐ dev02

☐ dev03

☐ dev04

☐ dev05

☐ dev06

☐ dev07

☐ dev08

☐ dev09

☐ Foggy1

☐ Foggy2

☐ Foggy3

☐ Mist 1

☐ Mist 2

☐ Precipitation

☐ Storm01

☐ Storm02

☐ Storm03

☐ Storm04

+ New Resource Zone

Foggy2

DisableDelete

OverviewAppformsAppForm BlueprintsPermissions

Select roles for **tjones** on the Resource Zone named **Foggy2**:

Note: One or more roles that are granted on a parent resource also apply to this resource.

Direct Grant	Granted via Group	Role and Description
Yes	No	<div>⬆ <b>Cloud Administrator</b> (granted on <a href="#">BigCloud01</a>)</div> <div>Users with this role can lorem ipsum.an met quia velluptat ere et odignatis rent aliqui dolor se vende vende volore idenim et es essit, atqui abore remquia sperissintus ut explibe aribus conse platenem fugiam cus.</div> <div><a href="#">View Details</a></div>
☐	No	<div><b>Resource Zone User</b></div> <div>Users with this role can view and use a Resource Zone. This role is necessary for any user to be able to launch AppForms and instances in this Resource Zone.</div> <div><a href="#">View Details</a></div>
☐	No	<div><b>Resource Zone AppForm Blueprint Administrator</b></div> <div>Users with this role have full administrative permission on catalogs and AppForm Blueprints in the Resource Zone. Grant <b>Resource Zone User</b> to also allow the user to launch applications and instances in this cloud Resource Zone.</div> <div><a href="#">View Details</a></div>
☐	No	<div><b>Resource Zone Administrator</b></div> <div>Users with this role have full administrative permission on a Resource Zone and all of the resources it contains. It is a superset of all permissions of <b>Resource Zone User</b> and <b>Resource Zone Blueprint Administrator</b>, with additional privileges on the Resource Zone itself and all resources it contains..</div> <div><a href="#">View Details</a></div>

Apply Changes

Cancel

Role Assignment page

The role assignment page is identical whether entering from the user/group perspective, or from the resource perspective.

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# Summary

This document shows how role mapping between users/groups and resources is managed...

## From a user’s perspective

- Provide a complete view** of the permissions a user has on a given resource, including by way of
- direct grants to the user
  - indirect grants to a group to which the user belongs
  - inherited grants, which are roles granted on a parent resource, which includes permission on the child object
  - global grants, which are roles granted globally on all resources of a type, system-wide.
- Provide a way to modify** permissions that are directly granted to a user on a given resource

## From a group’s perspective

- Provide a complete view** of the permissions a group has on a given resource, including by way of
- direct grants to the group
  - inherited grants, which are roles granted on a parent resource, which includes permission on the child object
  - global grants, which are roles granted globally on all resources of a type, system-wide.
- Provide a way to modify** permissions that are directly granted to a group on a given resource

## From a resource’s perspective

- Provide a complete view** of the permissions any user or group has on a given resource, including by way of
- direct grants to the resource
  - inherited grants, which are roles granted on a parent resource, which includes permission on the child object
  - global grants, which are roles granted globally on all resources of a type, system-wide.
- Provide a way to modify** permissions that are directly granted on a given resource