

Creating a Group in Nextcloud from Keycloak

Learn how to create a group in Nextcloud via Keycloak

- [Creating a Keycloak Client Role](#)
- [Assigning a Group to a Role in Keycloak](#)

Creating a Keycloak Client Role

Introduction

In order for Keycloak to communicate with its clients about what roles exist and who is in them, Keycloak uses "Role Mapping." These roles can then be assigned to groups and/or users afterwards.


Creating a Role

In order to create a role, you must first navigate to the Nextcloud client in Keycloak.



FireantLLC

Manage

Clients 

Client scopes

Realm roles

Users

Groups

Sessions

Events

Configure

Realm settings

Authentication

Identity providers

User federation



Welcome to FireantLLC

Want to leave this page and manage this realm, please click the menu items in the left navigation bar.

[client-testing](#)

OpenID Connect

This client is used to test vari...

–

[Nextcloud](#)

OpenID Connect

–

<https://cloud.fireantllca:>

[realm-management](#)

OpenID Connect

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–

Once you're there, click on the `Roles` tab.



[Clients](#) > Client details

Nextcloud OpenID Connect

Clients are applications and services that can request authentication of a user.

Settings

Keys

Credentials

Roles

Client scopes

Sessions

Advanced

General Settings

Client ID * ?

Nextcloud

Name ?

Description ?

Always display in console ?



Off

Then click [Create role](#).



[Clients](#) > Client details

Nextcloud OpenID Connect

Clients are applications and services that can request authentication of a user.

- Settings
- Keys
- Credentials
- Roles**
- Client scopes
- Sessions
- Advanced



Create role



Role name	Composite	Description
admin	False	–
Employees	False	–
Engine Boss	False	–

Enter the name of the role, then click .



Create role

Role name *

Description

Save



Cancel

And that's it!

The role will not show up in Nextcloud until a user is assigned to the role, either directly or through a group.

Assigning a Group to a Role in Keycloak

Introduction

Now that you have your **role created**, you can now assign it to a group. This makes it so adding people to this role along with making modifications is easy and applies to everyone in the group.

Assigning a Role to a Group

If you haven't already, you should create a group to assign the role to.

First, navigate to your group.



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Welcome to FireantLLC

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[Groups](#) > [employees](#) > Group details

Firefighter

Child groups

Members

Attributes

Role mapping

Permissions



Create group



Group name

IT

management

New Hire

Firefighter

Then click on the `Role mapping` tab.

Groups > employees > Group details

Firefighter

Child groups Members Attributes **Role mapping** Permissions

🔍 Search for groups → **Create group** ⋮

Group name

Engine Boss

Click on `Assign role`.

Groups > employees > Group details

Firefighter

Child groups Members Attributes **Role mapping** Permissions

🔍 Search by name → Hide inherited roles **Assign role**

<input type="checkbox"/> Name	Inherited
<input type="checkbox"/> Nextcloud Employees	False

Check the role(s) you want to the group, then click `Assign`.

Assign roles to Firefighter account

Filter by Origin ▾

Search by role name



<input type="checkbox"/>	Name	Description
<input type="checkbox"/>	account manage-consent	`\${role_manage-consent}`
<input type="checkbox"/>	account view-profile	`\${role_view-profile}`
<input type="checkbox"/>	broker read-token	`\${role_read-token}`
<input type="checkbox"/>	client-testing uma_protection	
<input type="checkbox"/>	Nextcloud Engine Boss	
<input type="checkbox"/>	Nextcloud Quota-15GB	
<input type="checkbox"/>	Nextcloud Employees	
<input type="checkbox"/>	Nextcloud Management	
<input type="checkbox"/>	Nextcloud Quota-20GB	
<input checked="" type="checkbox"/>	Nextcloud Firefighter	

Assign

Cancel

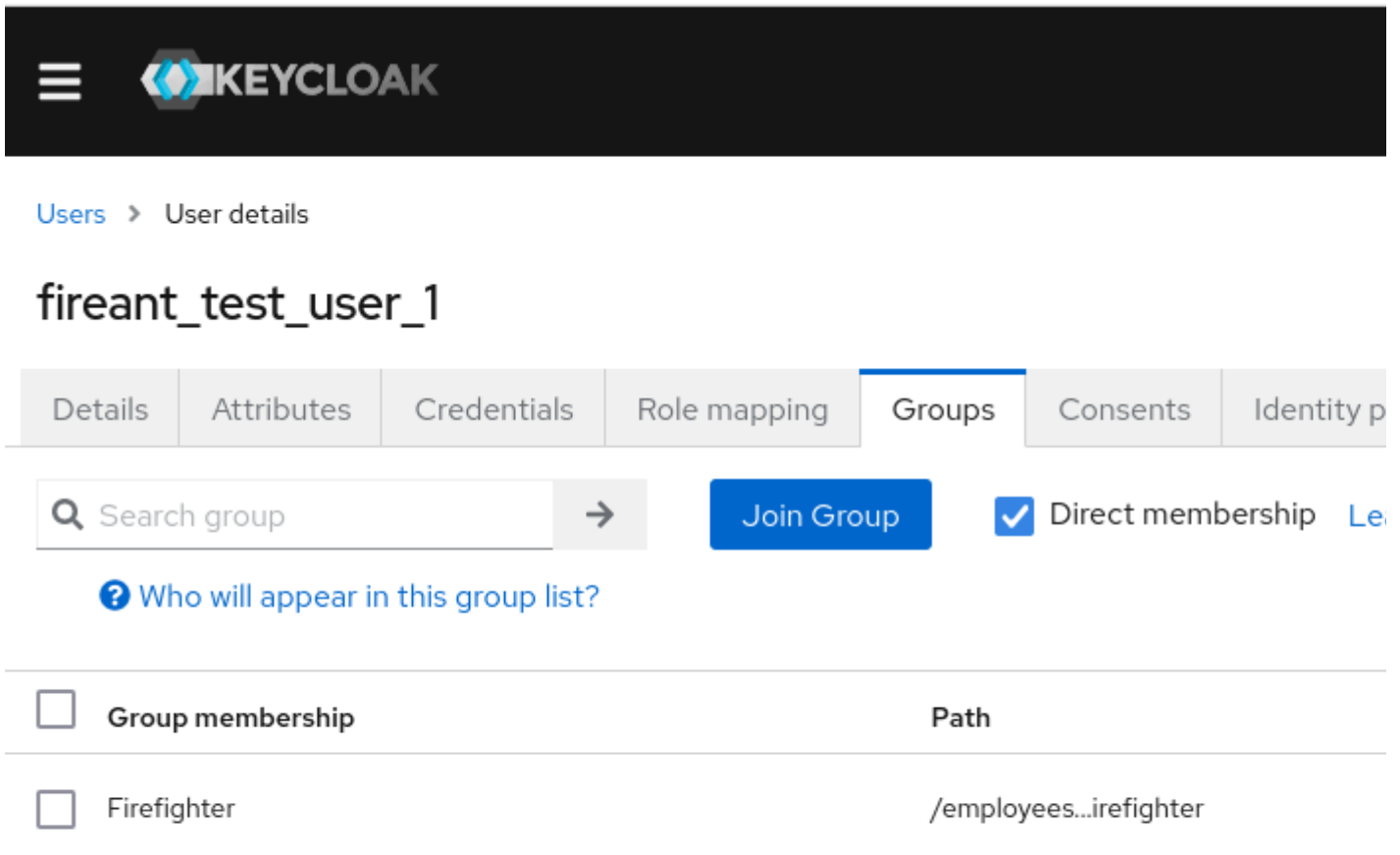


And that's it!

Testing Our Work

In order to make sure that our changes worked, we can add a user to our group. For this test, I will use the `fireant_test_user_1` user.

First of all, I'll assign the user to only the `Firefighter` group.



The screenshot shows the Keycloak user management interface. At the top, there is a navigation bar with the Keycloak logo and a hamburger menu icon. Below the navigation bar, the breadcrumb 'Users > User details' is visible. The user name 'fireant_test_user_1' is displayed prominently. A horizontal menu contains tabs for 'Details', 'Attributes', 'Credentials', 'Role mapping', 'Groups', 'Consents', and 'Identity p'. The 'Groups' tab is selected and highlighted. Below the tabs, there is a search bar labeled 'Search group' with a search icon and a right arrow. To the right of the search bar is a blue 'Join Group' button. Further right, there is a checked checkbox labeled 'Direct membership' followed by a partially visible 'Le' link. Below this, a blue question mark icon is followed by the text 'Who will appear in this group list?'. A table below shows the group membership configuration:

<input type="checkbox"/>	Group membership	Path
<input type="checkbox"/>	Firefighter	/employees...irefighter

Then I'll re-login into the user on Nextcloud. I'll also refresh my Users page on Nextcloud, since I have that open.

In the Users page on Nextcloud, I can see that the Firefighter group is there and that the test user is the only user in it. That means I know it was successful.

+ New user

+ Add group

Active users 6

Admins 3

Groups

FALCC-Employees 5 ...

FALCC-Quota-20GB 2 ...

FALCC-admin 2 ...

FALCC-Firefighter 1 ...

FALCC-IT 1 ...



Username

Password

Display name



FALCC-23afd60b-381c-4cd

9-9455-dc9561de8e76

Test User 1