

# 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.



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.fireantllc.com>

[realm-management](#)

OpenID Connect

—

—

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



Search role by name



Create role



Role name

Composite

Description

[admin](#)

False

—

[Employees](#)

False

—

[Engine Boss](#)

False

—

Enter the name of the role, then click [Save](#).



[Clients](#) > [Client details](#) > Create role

## 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.



KEYCLOAK

FireantLLC ▼

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## Welcome to FireantLLC

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





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

## Firefighter

Child groups

Members

Attributes

Role mapping

Permissions

 Search for groups



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

Q

Search for groups

→

Create group

⋮


☐

Group name

☐

Engine Boss

Click on `Assign role`.

 KEYCLOAK

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

# Firefighter

Child groups

Members

Attributes

Role mapping

Permissions

Q

Search by name

→

☐

Hide inherited roles

Assign role

☐

Name

Inherited

☐

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.

KEYCLOAK

Users

>

User details

fireant\_test\_user\_1

Details

Attributes

Credentials

Role mapping

Groups

Consents

Identity p

Q

Search group

→

Join Group

☒ Direct membership

Le

?

Who will appear in this group list?


<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

4 ...



Username

Password

Display name



FALCC-23afd60b-381c-4cd

9-9455-dc9561de8e76

Test User 1