

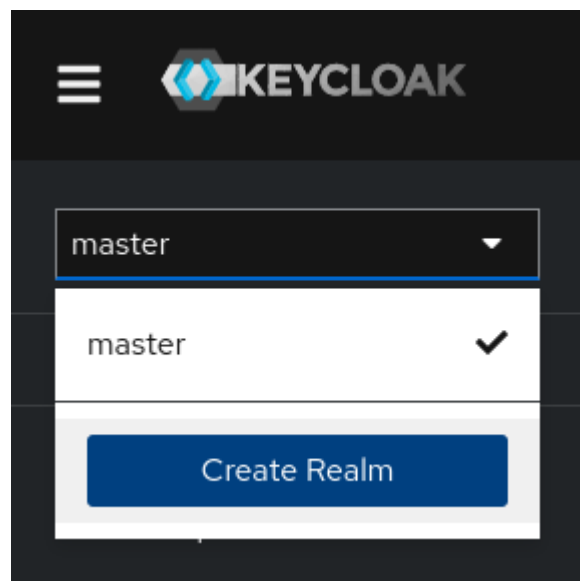
Keycloak_create_realm_user_and_Secure_the_first_application

Create a realm

A realm in Keycloak is equivalent to a tenant. Each realm allows an administrator to create isolated groups of applications and users. Initially, Keycloak includes a single realm, called **master**. Use this realm only for managing Keycloak and not for managing any applications.

.Use these steps to create the first realm

- .1 .Open the [Keycloak Admin Console](#)
- .2 Click the word **master** in the top-left corner, then click **Create Realm**
- .3 .Enter **myrealm** in the **Realm name** field
- .4 .Click **Create**



Create a user

:Initially, the realm has no users. Use these steps to create a user

- .5 .Open the [Keycloak Admin Console](#)
- .6 .Click the word **master** in the top-left corner, then click **myrealm**
- .7 .Click **Users** in the left-hand menu
- .8 .Click **Add user**
- .9 :Fill in the form with the following values
 - **Username:** **myuser**
 - **First name:** any first name

- **Last name:** any last name
 - Click **Create**
- .10

The screenshot shows the Keycloak 'Create user' form. The left sidebar contains a menu with options: Manage, Clients, Client scopes, Realm roles, Users (selected), Groups, Sessions, Events, Configure, Realm settings, Authentication, Identity providers, and User federation. The main content area is titled 'Create user' and includes a toggle for 'Enabled' and an 'Action' dropdown. The form fields are: Username (myuser), Email, Email verified (Off), First name (Foo), Last name (Bar), Required user actions (Select action), and Groups (Join Groups). At the bottom, there are 'Create' and 'Cancel' buttons.

:This user needs a password to log in. To set the initial password

- Click **Credentials** at the top of the page
 - Fill in the **Set password** form with a password
 - Toggle **Temporary** to **Off** so that the user does not need to update this password at the first login
- .11
.12
.13

Set password for myuser

Password *

Password confirmation *

Temporary ? ☐ off

Save Cancel

Log in to the Account Console

You can now log in to the Account Console to verify this user is configured correctly.

.Open the [Keycloak Account Console](#) .14

.Log in with **myuser** and the password you created earlier .15

As a user in the Account Console, you can manage your account including modifying your profile, adding two-factor authentication, and including identity provider accounts.

KEYCLOAK Sign out Foo Bar

Personal info

Manage your basic information.

All fields are required.

Username

myuser

First name

Foo

Last name

Bar

Save Cancel

Secure the first application

To secure the first application, you start by registering the application with
:your Keycloak instance

.Open the [Keycloak Admin Console](#) .16

.Click the word **master** in the top-left corner, then click **myrealm** .17

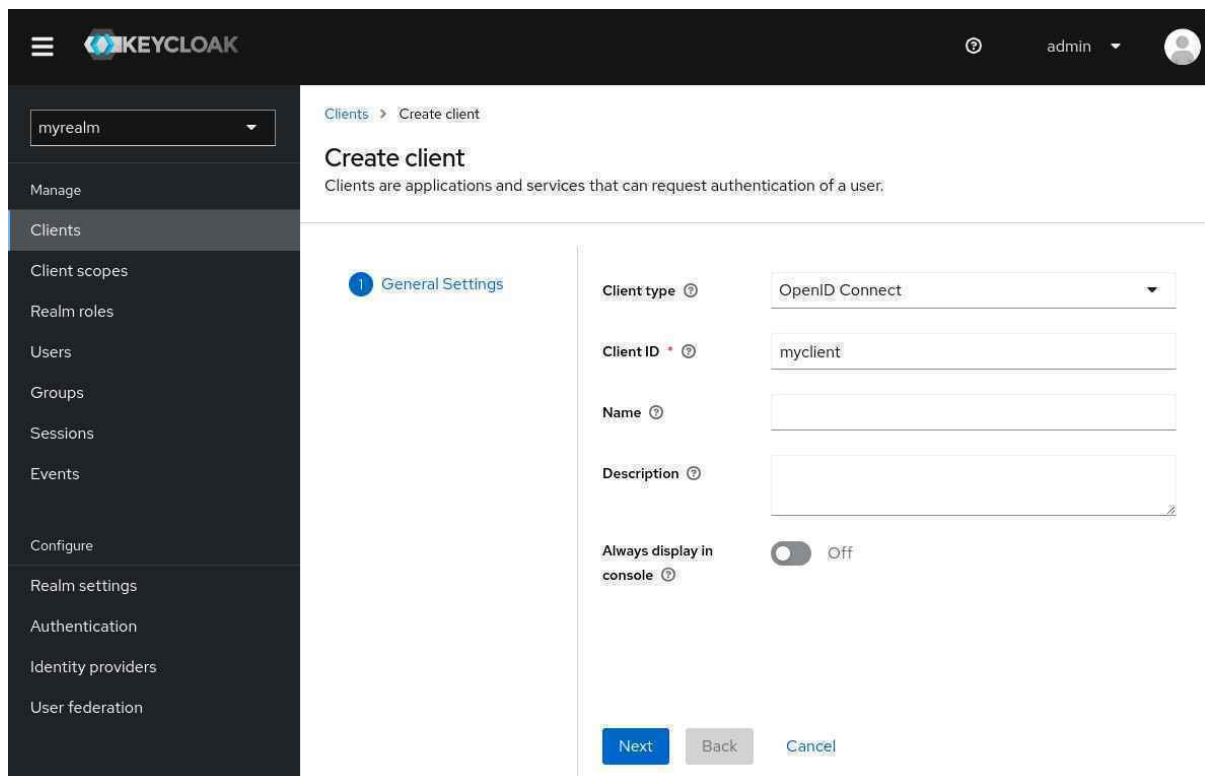
.Click **Clients** .18

Click **Create client** .19

:Fill in the form with the following values .20

Client type: **OpenID Connect** •

Client ID: **myclient** •

The screenshot shows the Keycloak Admin Console interface. On the left is a dark sidebar with a menu containing 'myrealm', 'Manage', 'Clients', 'Client scopes', 'Realm roles', 'Users', 'Groups', 'Sessions', 'Events', 'Configure', 'Realm settings', 'Authentication', 'Identity providers', and 'User federation'. The 'Clients' menu item is highlighted. The main content area has a breadcrumb 'Clients > Create client' and a title 'Create client' with a subtitle 'Clients are applications and services that can request authentication of a user.' Below this is a 'General Settings' section with a blue information icon. The form contains the following fields: 'Client type' (a dropdown menu set to 'OpenID Connect'), 'Client ID' (a text input field containing 'myclient'), 'Name' (an empty text input field), 'Description' (an empty text area), and 'Always display in console' (a toggle switch currently set to 'Off'). At the bottom of the form are three buttons: 'Next' (highlighted with a yellow box), 'Back', and 'Cancel'.

Click **Next** .21

.Confirm that **Standard flow** is enabled .22

.Click **Next** .23

.Make these changes under **Login settings** .24

***Set Valid redirect URIs** to <https://www.keycloak.org/app> •

Set **Web origins** to <https://www.keycloak.org> •

.Click **Save** .25

myrealm

Manage

Clients

Client scopes

Realm roles

Users

Groups

Sessions

Events

Configure

Realm settings

Authentication

Identity providers

User federation

Clients > Create client

Create client

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

- 1 General Settings
- 2 Capability config
- 3 Login settings

Root URL

Home URL

Valid redirect URIs [Add valid redirect URIs](#)

Valid post logout redirect URIs [Add valid post logout redirect URIs](#)

Web origins [Add web origins](#)

Save Back Cancel

To confirm the client was created successfully, you can use the SPA .testing application on the [Keycloak website](https://www.keycloak.org/app)

./Open <https://www.keycloak.org/app> .26

.Click **Save** to use the default configuration .27

Click **Sign in** to authenticate to this application using the Keycloak .28
.server you started earlier