

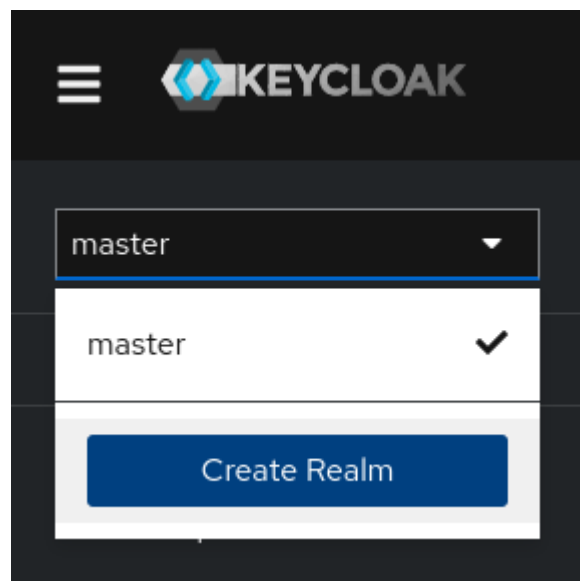
Keycloak_create_realm_user_and_Secure_the_first_application

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 administration interface. On the left, a dark sidebar contains a menu with items like 'Manage', 'Clients', 'Client scopes', 'Realm roles', 'Users' (highlighted), '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' with the value 'myuser', an empty 'Email' field, 'Email verified' set to 'Off', 'First name' with 'Foo', 'Last name' with 'Bar', 'Required user actions' with a dropdown showing 'Select action', and 'Groups' with a 'Join Groups' button. At the bottom of the form 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

First name

Last name

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. The top navigation bar includes the Keycloak logo, a user profile icon labeled 'admin', and a help icon. The left sidebar contains a menu with items like '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 is titled 'Clients > Create client' and 'Create client'. Below the title is a subtitle: 'Clients are applications and services that can request authentication of a user.' The 'General Settings' tab is active, showing a form with the following fields: 'Client type' (OpenID Connect), 'Client ID' (myclient), 'Name' (empty), 'Description' (empty), and 'Always display in console' (toggle off). At the bottom of the form are three buttons: 'Next', '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

The screenshot shows the Keycloak administration interface. On the left, a sidebar menu lists various management options, with 'Clients' highlighted. The main panel is titled 'Create client' and includes a breadcrumb 'Clients > Create client'. Below the title, a description states: 'Clients are applications and services that can request authentication of a user.' The configuration is divided into three numbered steps: 1. General Settings, 2. Capability config, and 3. Login settings (the current step). The 'Login settings' section contains several input fields: 'Root URL' and 'Home URL' are empty; 'Valid redirect URIs' has a default value 'https://www.keycloak.org/app/*' and a '+ Add valid redirect URIs' link; 'Valid post logout redirect URIs' is empty with a '+ Add valid post logout redirect URIs' link; and 'Web origins' has a default value 'https://www.keycloak.org' and a '+ Add web origins' link. At the bottom of the form are three buttons: 'Save' (in blue), 'Back', and '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