

INSTITUTE OF COMPUTER TECHNOLOGY

B-TECH COMPUTER SCIENCE ENGINEERING 2025-26

SUBJECT: IDENTITY ACCESS MANAGEMENT

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BRANCH: CYBER SECURITY

BATCH: 52

Lab 2: Create User in Keycloak

STEP-1:

- ➔ Click Users in the left-hand menu.
- ➔ Click Add user.
- ➔ Fill in the form with the following values:
 - Username: user_01
 - First name: Jhon
 - Last name: Wick
- ➔ Click Create.

Users > Create user

Create user

Required user actions: Verify Email x Select action x

Email verified ☐ Off

General

Username * user_01

Email

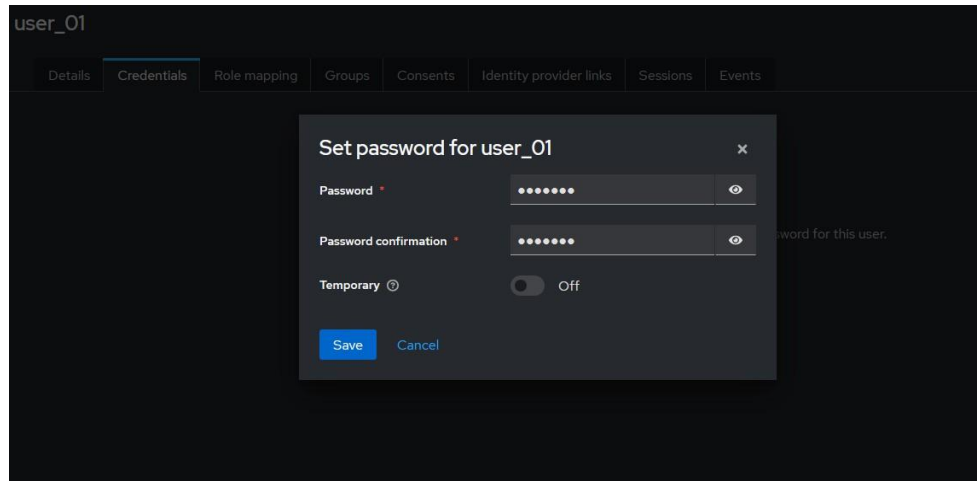
First name Jhon

Last name Wick

Groups

STEP-2:

- ➔ 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.



The screenshot shows the Keycloak user management interface for 'user_01'. The 'Credentials' tab is selected. A modal dialog titled 'Set password for user_01' is open. It contains two password input fields, 'Password' and 'Password confirmation', both with masked characters and toggle icons. Below these fields is a 'Temporary' toggle switch, which is currently turned off. At the bottom of the dialog are 'Save' and 'Cancel' buttons. The background shows the 'Details' tab with various sub-tabs like 'Role mapping', 'Groups', 'Consents', etc.

STEP-3:

- ➔ Now open another browser and paste URL :
<http://localhost:8080/realms/master/account>
- ➔ Enter the username and password which we create in above 2 steps.
- ➔ Click on sign in



The screenshot shows the Keycloak login page. The Keycloak logo is at the top. The main heading is 'Sign in to your account'. Below this are two input fields: 'Username' with the value 'user_01' and 'Password' with masked characters. There is a 'Remember me' checkbox and a 'Forgot Password?' link. A large blue 'Sign In' button is at the bottom. At the very bottom, it says 'New user? Register'.

User's Page:-

The screenshot shows the Keycloak user management interface. On the left is a sidebar with 'Personal info', 'Account security', and 'Applications'. The main area is titled 'Personal info' with the subtitle 'Manage your basic information'. It contains a 'General' section with four input fields: 'Username' (filled with 'user_01'), 'Email', 'First name' (filled with 'Jhon'), and 'Last name' (filled with 'Wick'). At the bottom are 'Save' and 'Cancel' buttons. On the right, there is a 'Jump to section' dropdown menu currently set to 'General'. The top right of the page shows the user's name 'Jhon Wick' and a profile icon.

STEP-3:

- Go to authentication section.
- click on policies.
- Click on save.

The screenshot shows the 'Authentication' section of the Keycloak admin console. The left sidebar lists various management options, with 'Authentication' highlighted. The main area has tabs for 'Flows', 'Required actions', and 'Policies', with 'Policies' selected. Under 'Policies', there are sub-tabs: 'Password policy', 'OTP Policy', 'Webauthn Policy', 'Webauthn Passwordless Policy', and 'CIBA Policy'. The 'Password policy' sub-tab is active, showing a message 'No password policies' with a plus icon and the text 'You haven't added any password policies to this realm. Add a policy to get started'. A dropdown menu 'Add policy' is open, listing options: 'Expire Password', 'Hashing Iterations', 'Not Recently Used', 'Password Blacklist', 'Regular Expression', and 'Minimum Length'.

Authentication

Authentication is the area where you can configure and manage different credential types. [Learn more](#)

Flows

Required actions

Policies

Password policy

OTP Policy

Webauthn Policy

Webauthn Passwordless Policy

CIBA Policy

Add policy

Uppercase Characters *



−

1

+

Digits *

−

2

+

Minimum Length *

−

5

+

Special Characters *

−

1

+

Save

Reload