

INSTITUTE OF COMPUTER TECHNOLOGY
B-TECH COMPUTER SCIENCE ENGINEERING 2025-26
SUBJECT:IDENTITY ACCESS MANAGEMENT

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BRANCH: CYBER SECURITY

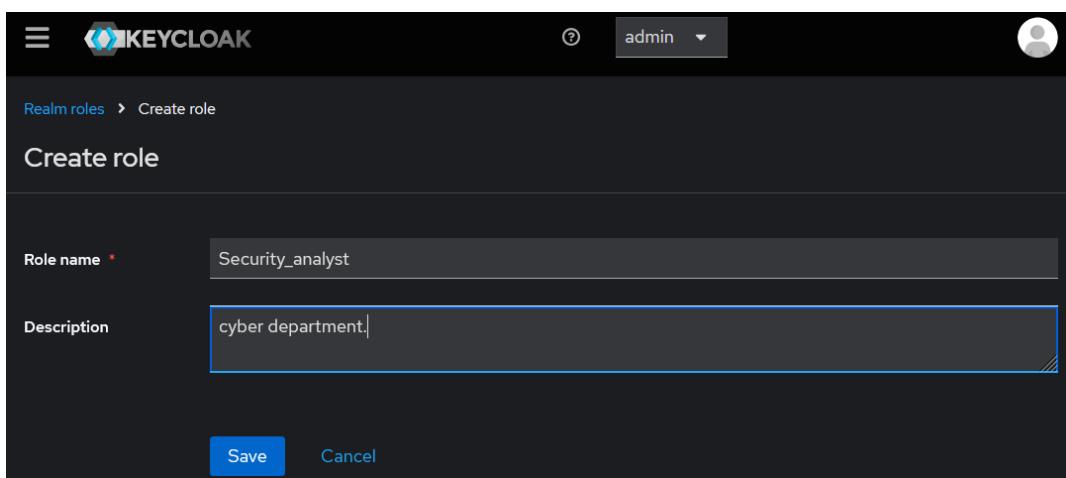
BATCH: 52

PRACTICAL_04

Aim: Creating and assigning Roles to users

STEP_1:-

- Go to Realm roles section.
- Click on Create role button.
- Insert role name and description.
- After that click on Save.



The screenshot shows the 'Create role' page in the Keycloak interface. At the top, there's a navigation bar with 'Realm roles' and 'Create role'. Below that is a 'Create role' header. The main form has two fields: 'Role name *' with the value 'Security_analyst' and 'Description' with the value 'cyber department.'. At the bottom of the form are 'Save' and 'Cancel' buttons.

STEP_2:-

- Go to Users section , Select user.
- Go to Role mapping Section.
- Click on Assign role Dropdown Button.
- Select Realm roles.
- Check the checkbox of role which we want.
- Click on Assign.

Assign Realm roles to rahul

<input type="checkbox"/>	Name	Description
<input type="checkbox"/>	admin	role_admin
<input type="checkbox"/>	create-realm	role_create-realm
<input type="checkbox"/>	HR	human resources
<input type="checkbox"/>	offline_access	role_offline-access
<input checked="" type="checkbox"/>	Security_analyst	cyber department.
<input type="checkbox"/>	uma_authorization	role_uma_authorization

Assign Cancel

STEP_3: (Viewing Session Logs)

- Go to Users section.
- Select the desired username.
- Go to Sessions tab.
- View all active sessions with details like session start time, IP address, and client.

Users > User details

rahul

Enabled Action

Started	Last access	IP address	Clients
8/25/2025, 7:46:03 AM	8/25/2025, 7:46:06 AM	172.17.0.1	account-console
8/25/2025, 7:46:40 AM	8/25/2025, 7:46:43 AM	172.17.0.1	account-console

STEP_4: (Enable Save Events)

- Go to Realm Settings section.
- Click on the Events tab.
- Go to User Events Settings.
- Enable the checkbox/toggle Save Events.

master

Realm settings are settings that control the options for users, applications, roles, and groups in the current realm. [Learn more](#)

Enabled Action ▾

General Login Email Themes Keys Events Localization Security defenses Sessions Tokens Client policies User pro ▾

Event listeners User events settings Admin events settings

Save events On

Expiration Minutes ▾

Save Revert

Clear user events Clear user events

STEP_5: (Show Events)

- Go to Events section in the sidebar.
→ Select and view User Events and Admin Events.

Events

Events are records of user and admin events in this realm. To configure the tracking of these events, go to [Event configs](#). [Learn more](#)

User events Admin events

Search events Refresh 1 - 4 ▾ < >

Time	User ID	Event saved type	IP address	Client
August 25, 2025 at 7:53 AM	19b10545-ece2-4ccb-a34f-1c99406a8bc4	CODE_TO_TOKEN	172.17.0.1	account-console
August 25, 2025 at 7:53 AM	19b10545-ece2-4ccb-a34f-1c99406a8bc4	LOGIN	172.17.0.1	account-console
August 25, 2025 at 7:53 AM	19b10545-ece2-4ccb-a34f-1c99406a8bc4	LOGIN	172.17.0.1	account-console
August 25, 2025 at 7:51 AM	376962d0-46b2-412f-9aeb-ef0a2a5e8c28	LOGIN	172.17.0.1	security-admin-console

Events

Events are records of user and admin events in this realm. To configure the tracking of these events, go to [Event configs](#). [Learn more](#)

User events Admin events

Search admin event Refresh 1 - 3 ▾ < >

Time	Resource path	Resource type	Operation type	User	⋮
August 25, 2025 at 7:59 AM		REALM	UPDATE	376962d0-46b2-412f-9aeb-ef0a2a5e8c28	⋮
August 25, 2025 at 7:59 AM	authentication/required-actions/CONFIG...	REQUIRED_ACTION	UPDATE	376962d0-46b2-412f-9aeb-ef0a2a5e8c28	⋮
August 25, 2025 at 7:58 AM	events/config	REALM	UPDATE	376962d0-46b2-412f-9aeb-ef0a2a5e8c28	⋮