1. To setup Keycloak with docker compose and type command line to start docker compose

Docker-compose.yml

|  |
| --- |
| version: '3.9'  services:  keycloak:  image: jboss/keycloak  restart: always  environment:  KEYCLOAK\_VERSION: 17.0.0  KEYCLOAK\_USER: admin  KEYCLOAK\_PASSWORD: admin  volumes:  - ./realm-export.json:/opt/jboss/keycloak/realm-export.json  command:  - "-b 0.0.0.0"  - "-Dkeycloak.import=/opt/jboss/keycloak/realm-export.json"  - "-Dkeycloak.profile.feature.scripts=enabled"  - "-Dkeycloak.profile.feature.upload\_scripts=enabled"  ports:  - "8000:8080" |

Command line

|  |
| --- |
| Docker-compose up |

1. Access KeyCloak dashboard

<http://localhost:800>

admin/admin

User

User1/user1

Client App

Ostock/

1. Understand structure of KeyCloak

* The root level is Realm, there is a default Ream spmia-realm has been initialized from ./realm-export.json file
* Inside real, we will create an client app, eg. Ostock

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* Inside this client app, we will define application Role

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* Then you can assign App Role for users

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1. Resources
   1. How to use API to interact with Keycloak to manage users (CRUD)

<https://viblo.asia/p/keycloak-spring-boot-bat-dau-voi-keycloak-va-spring-boot-bat-dau-lam-viec-voi-user-trong-realm-3Q75wAP3ZWb>