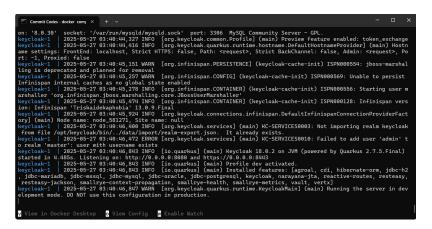
Basic User Guide

Start Keycloak and MYSQL as docker service	1	
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Finish setup and test the app		

Start Keycloak and MYSQL as docker service

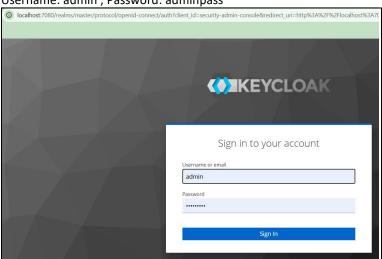
Run this command

[spring-boot-keycloak-mysql-demo]\$ sudo docker compose up



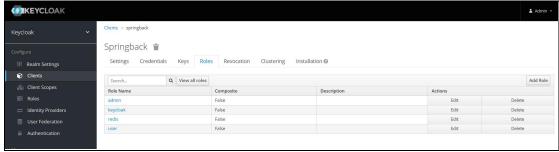
Login to keycloak on http://localhost:7080/

Username: admin, Password: adminpass



Setup Keycloak Roles

Ensure role is setup under Springback client



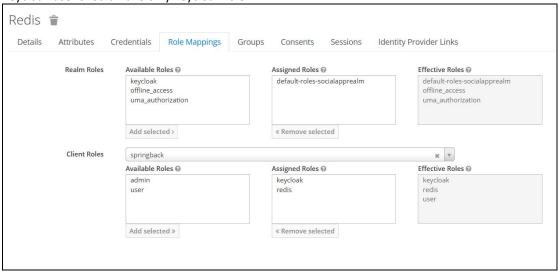
Add keycloak and redis role if not exist

Setup Users

Create both user and keycloak then assign under role mapping.

Redis user should have both keycloak and redis role

Keycloak user should have only keycloak role



Start Spring Boot

Prerequisite: Java 17 JRE setup Run the command below

[spring-boot-keycloak-mysql-demo]\$ java -jar Backend/App api-0.0.1-SNAPSHOT.jar

```
ing dialect: org.hibernate.dialect.MySQL8Dialect
2025-65-27713:15:01.396+08:00 WARN 27608 --- [ main] org.hibernate.orm.deprecation : HHH90000026:
MySQL8Dialect has been deprecated; use org.hibernate.dialect.MySQLDialect instead
2025-05-27713:15:03.838+08:00 INFO 27668 --- [ main] o.h.e.t.j.p.i.JaPlatformInitiator : HHH000490: Us
ing JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
2025-05-27713:15:03.855+08:00 INFO 27668 --- [ main] j.LocalContainerEntityManagerFactoryBean : Initialized J
2045-05-27713:15:05.093+08:00 WARN 27668 --- [ main] j.BaBaseConfiguration$pawbeConfiguration : spring.jpa.op
en-in-view is enabled by default. Therefore, database queries may be performed during view rendering. Explicitly configu
re spring.jpa.open-in-view to disable this warning
2025-05-27713:15:05.122+08:00 TRACE 27668 --- [ main] eGlobalAuthenticationAutowiredConfigurer : Eagerly initi
alizing {securityConfigurations=com.demo.exycloak.config.SecurityConfiguration$$$pring.GLI8$$p033899f7a]
2025-05-27713:15:05.123+08:00 DEBUG 27668 --- [ main] swordEncoderAuthenticationManagerBuilder : No authenticationProviders and no parentAuthenticationManager defined. Returning null.
2025-05-27713:15:06.509+08:00 INFO 27668 --- [ main] swordEncoderAuthenticationManagerBuilder : No authenticationProviders and no parentAuthenticationManagerIntegrationFilter@609657da, org.springframework.security.web.context.request async.WebAsyncManagerIntegrationFilter@609657da, org.springframework.security.web.context.Nequest async.WebAsyncManagerIntegrationFilter@609657da, org.springframework.security.web.context.Nequest async.WebAsyncManagerIntegrationFilter@609657da, org.springframework.security.web.authentication.Ologout.LogoutFilter@lacb7dad, org.springframework.security.web.context.RequestCacheAwareFilter@6095693d, org.springframework.security.web.authentication.Spout.LogoutFilter@lacb7dad, org.springframework.security.web.averagerity.web.sevsionManagementFilter@6095693d, org.springframework.securi
```

Start Angular

Go to Frontend folder then run the command below

[Frontend]\$ **nvm install v18.19** v18.19.1 is already installed.

Now using node v18.19.1 (npm v10.2.4)

[Frontend]\$ npm i

added 135 packages, removed 155 packages, changed 201 packages, and audited 1286 packages in 36s

[Frontend]\$ npm start

```
** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **

**Compiled successfully.

**Browser application bundle generation complete.

Initial chunk files | Names | Raw size runtime.js | runtime | 14.58 kB |

71 unchanged chunks

Build at: 2025-05-27T05:11:24.603Z - Hash: 317a30ee98e77a88 - Time: 991ms

**Compiled successfully.
```

Finish setup and test the app



