

Spring Security Config using OAuth2.0

Dependencies for Resource Server:

- spring-boot-starter-security
- spring-security-oauth2-resource-server
- spring-security-oauth2-jose

Steps for creating Resource Server :

1. Create SecurityWebFilterChain and authorize the incoming requests using ServerHttpSecurity.
2. Add below property in application.yml file –
spring.security.oauth2.resourceserver.jwt.jwk-set-uri =
"http://localhost:7080/realms/master/protocol/openid-connect/certs"
3. Start Keycloak by running following command –
docker run -p 8080:8080 -e KEYCLOAK_ADMIN=admin -e
KEYCLOAK_ADMIN_PASSWORD=admin quay.io/keycloak/keycloak:25.0.1 start-dev
4. In case of Role Based Access, create Converter class with the help of following classes –
 - Implement interface – Converter<Jwt, Collection<GrantedAuthority>>
 - Create Converter<Jwt, Mono<AbstractAuthenticationToken>>
 - JwtAuthenticationConverter
 - ReactiveJwtAuthenticationConverterAdapter