**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-sete-uri = “http://localhost:7080/realms/master/protocol/openid-connect/certs”

1. 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

1. 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