Naffiou KADIRI

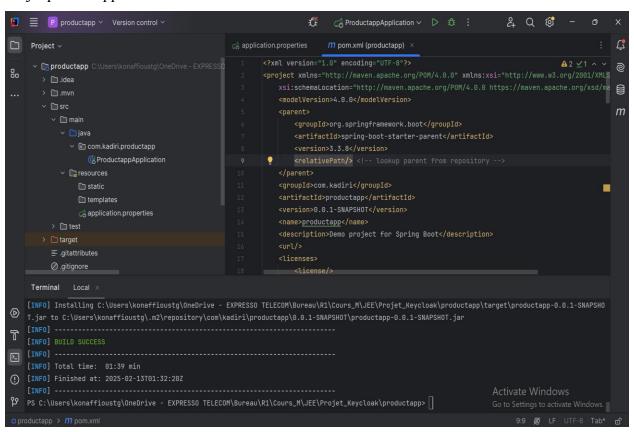
M2GL

JEE TP Keycloak

Sécurité des applications avec Keycloak (Spring MVC)

Lien Gitlab: https://gitlab.com/devoir-ns-jee/devoir-keycloak/projet-keycloak.git

Projet productapp



ProductController

```
■ P productapp 

Version control 

                                                                                                                                                                                                                                                                                                                                                        2 Q & -
                                                                                                                                                                                                                               ProductappApplication > D & :
☐ Project ∨
                                                                                                                       © ProductController.java ×
                                                                                                                                                                                                                                                                                                                                                                                                                                     Д
                                                                                                                                            import org.springframework.web.bind.annotation.*;

✓ ☐ productapp C:\Users\konaffioustg\0

80
                    > Palidea
                                                                                                                                          import java.util.List;
                    ∨ 🗀 src
                                                                                                                                                                                                                                                                                                                                                                                                                                    m

∨ main

                                                                                                                                           @RequestMapping(@v"/api/products")
                                                                                                                               Dublic class ProductController {
                                        private ProductService productService;
                                                                                                                                                    @GetMapping⊕∨

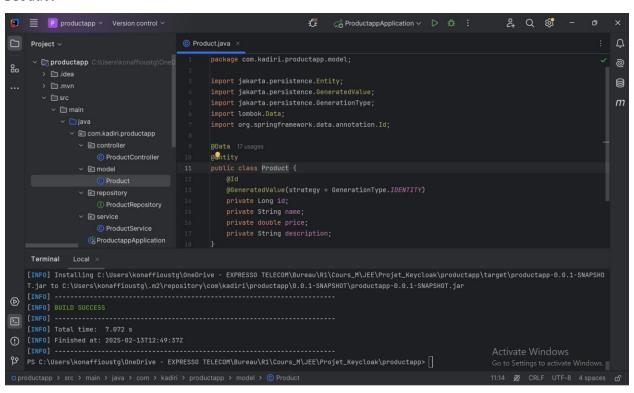
∨ i repository

    ProductRepository

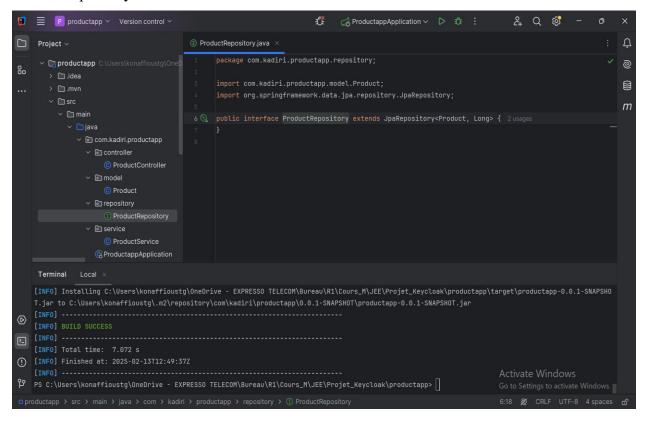
✓ 
iservice

                                                                                                                                                     @GetMapping(@v"/{id}")
                                                           © ProductService
                                                                                                                                                     public ResponseEntity<Product> getProductById(@PathVariable Long id) {
                                                                                                                         23 🌘
                                                     @ ProductappApplication
                                                                                                                                                          return productService.getProductById(id) Optional<Product>
             Terminal Local × + ×
           [INFO] Installing C:\Users\konaffioustg\OneDrive - EXPRESSO TELECOM\Bureau\R1\Cours_M\JEE\Projet_Keycloak\productapp\target\productapp\target\productapp-0.0.1-SNAPSHO
           T. jar to C:\Users\konaffioustg\\.m2\repository\com\kadiri\productapp\\0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp-0.0.1-SNAPSHOT\productapp
           [INFO] Total time: 7.072 s
                                                                                                                                                                                                                                                                                                                                              Activate Windows
         PS C:\Users\konaffioustq\OneDrive - EXPRESSO TELECOM\Bureau\R1\Cours_M\JEE\Projet_Keycloak\productapp>
```

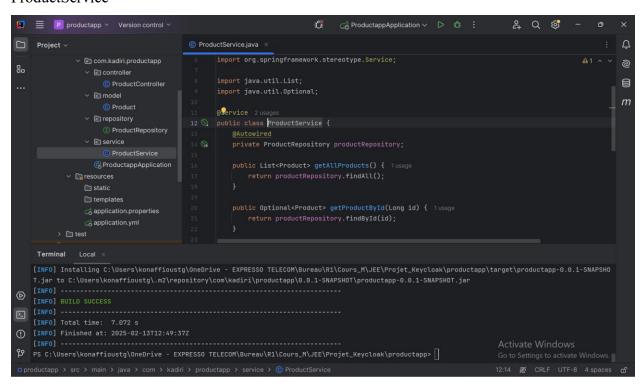
Product



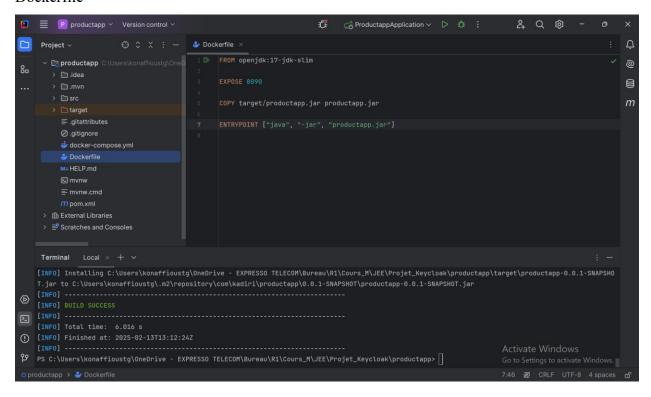
ProductRepository



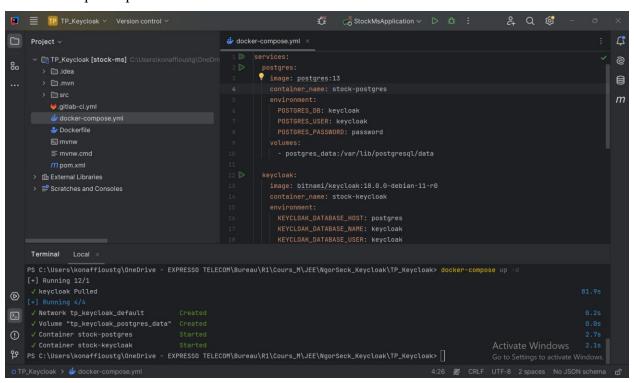
ProductService



Dockerfile

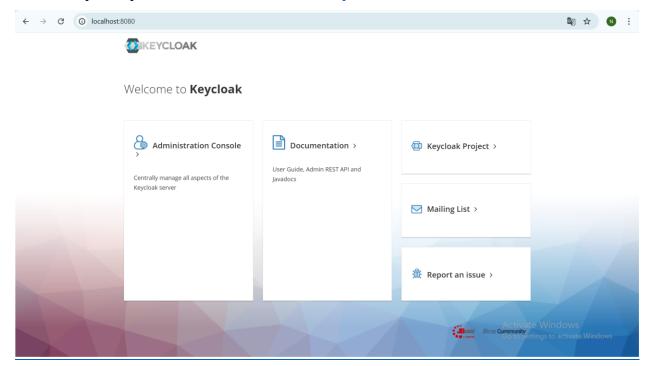


Docker-compose up -d



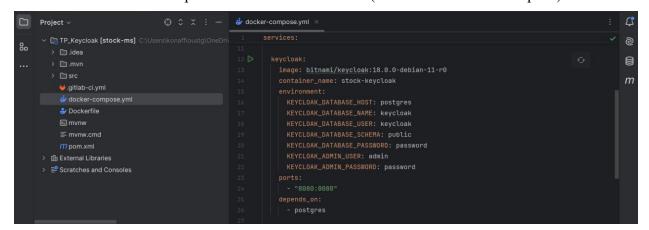
Démarrage du service keycloak

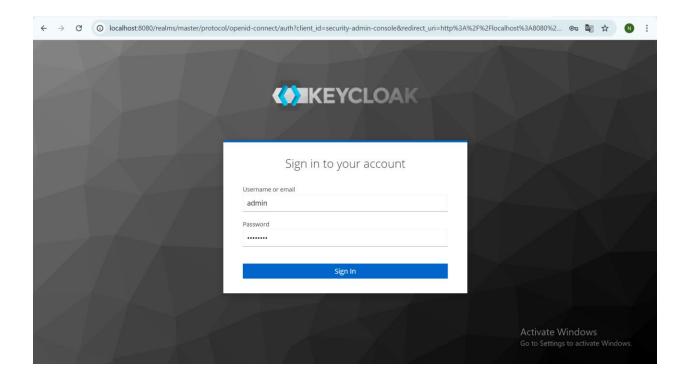
Comme le port exposé est 8080, visitons ce lien http://localhost:8080/



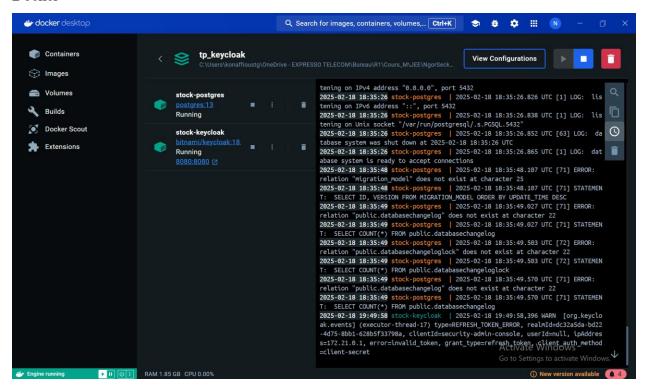
Puis nous pouvons cliquer sur Administration Console

Nous allons saisir: admin/password comme identifiant (ref: fichier docker-compose)

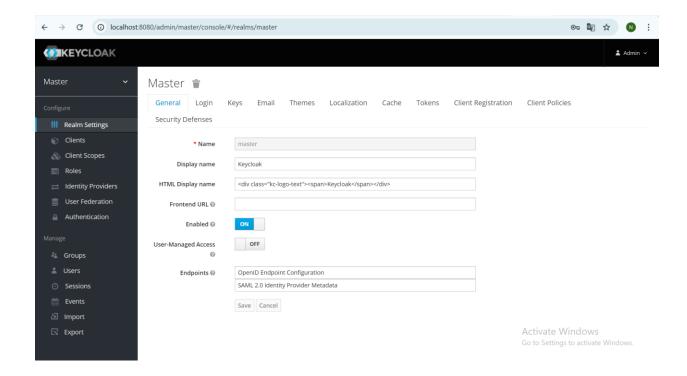




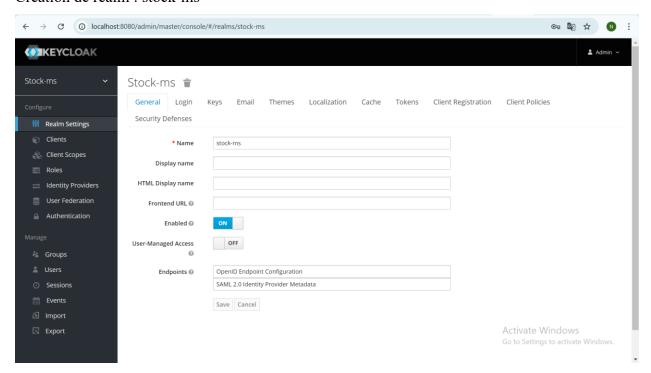
Docker



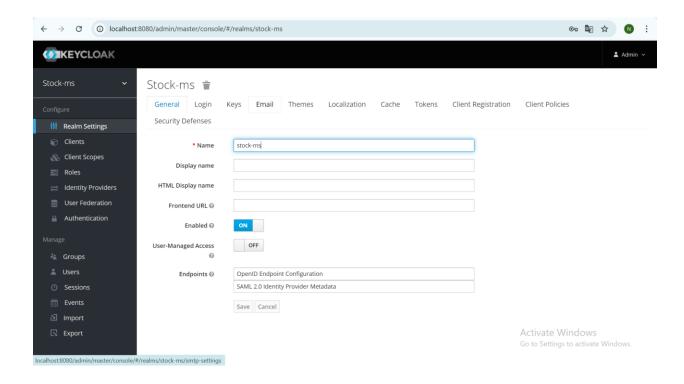
Et nous aurons cette page d'administration



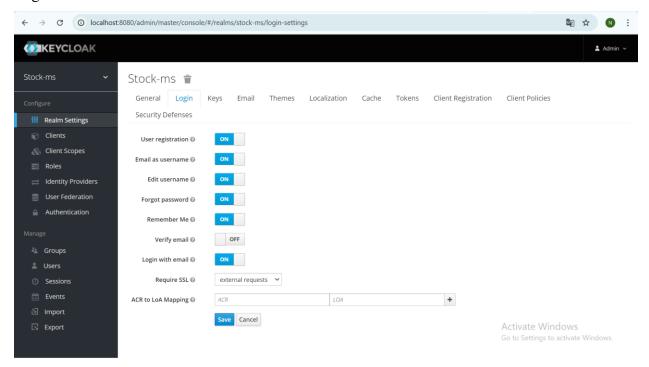
Création de realm : stock-ms



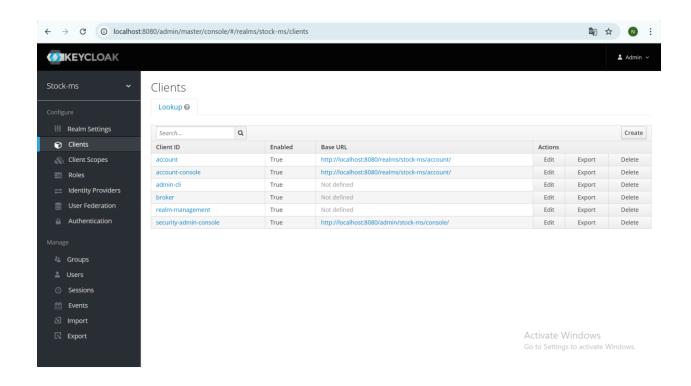
General

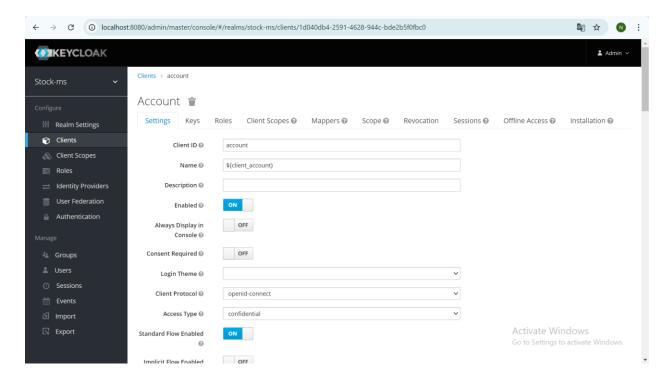


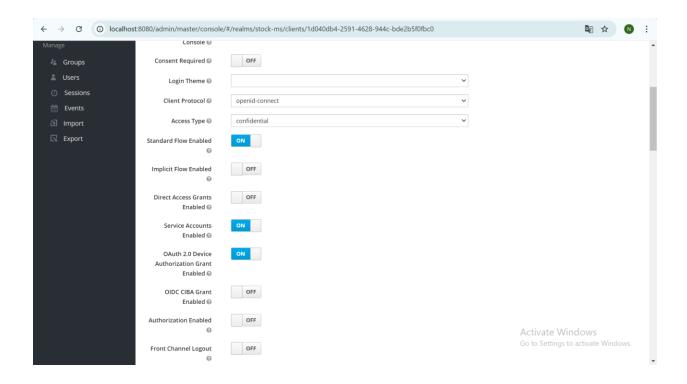
Login



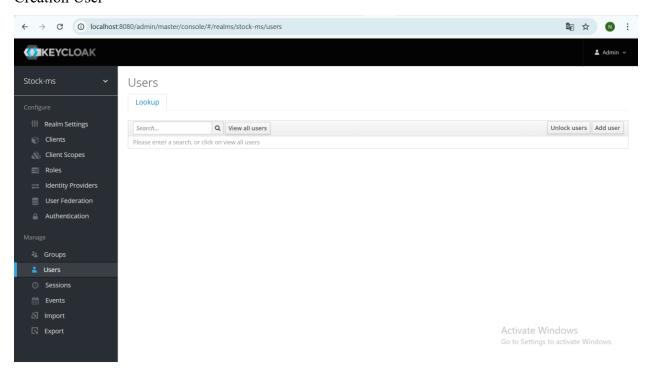
Client

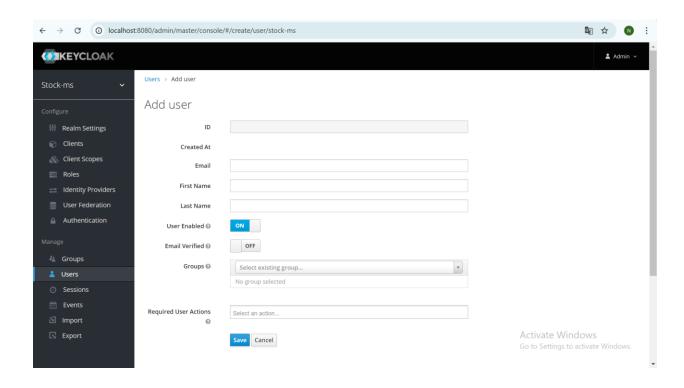


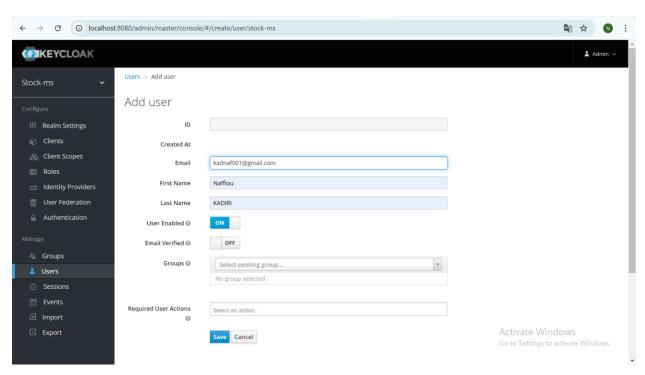


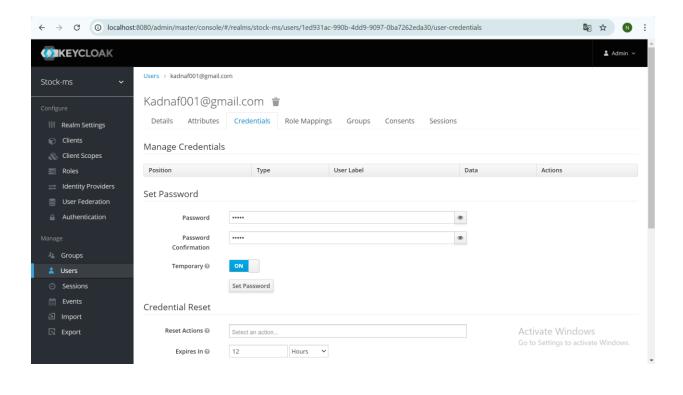


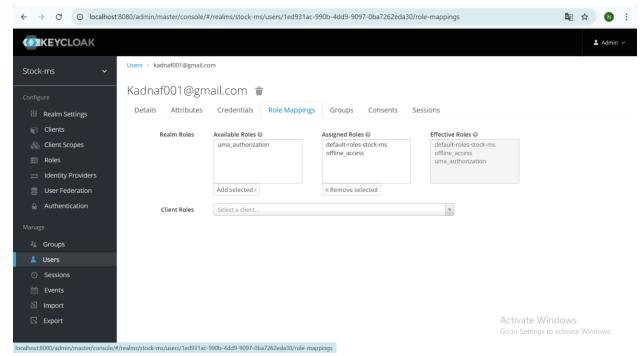
Creation User











OpenID Endpoint Configuration

```
Pretty-print 

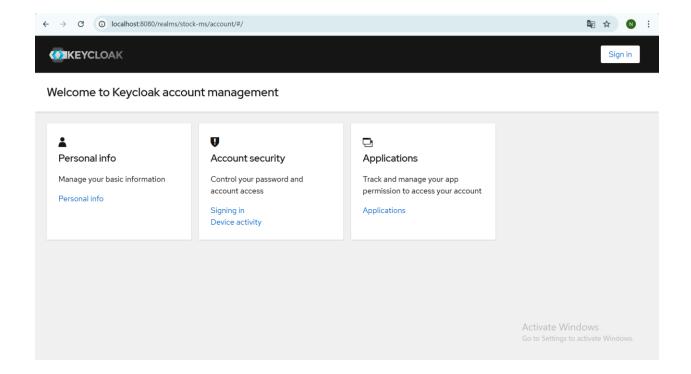
(* issuer": "http://localhost:8888/realms/stock-ms/protocol/openid-connect/auth",
    "authorization_endpoint": http://localhost:8888/realms/stock-ms/protocol/openid-connect/token",
    "introspection_endpoint": http://localhost:88888/realms/stock-ms/protocol/openid-connect/token",
    "introspection_endpoint": http://localhost:88888/realms/stock-ms/protocol/openid-connect/roken/introspect",
    "userinfo_endpoint": http://localhost:88888/realms/stock-ms/protocol/openid-connect/connect/introspect",
    ""userinfo_endpoint": http://localhost:88888/realms/stock-ms/protocol/openid-connect/logout",
    ""introspection_endpoint": http://localhost:8888/realms/stock-ms/protocol/openid-connect/logout",
    ""introspection_endpoint": http://localhost:8888/realms/stock-ms/protocol/openid-connect/logout",
    ""introspection_endpoint": http://localhost:8888/realms/stock-ms/protocol/openid-connect
```

issuer

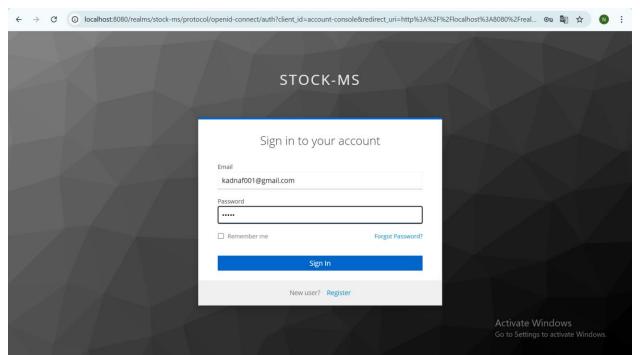
http://localhost:8080/realms/stock-ms

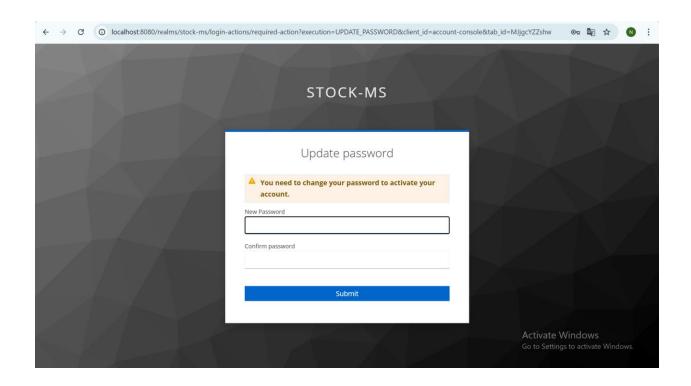


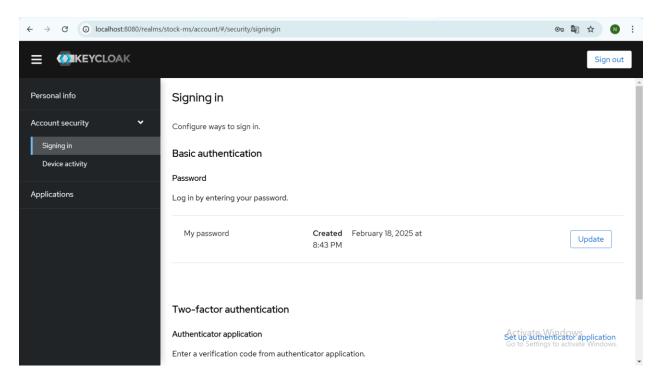
Activate Windows
Go to Settings to activate Windows.



Signing in



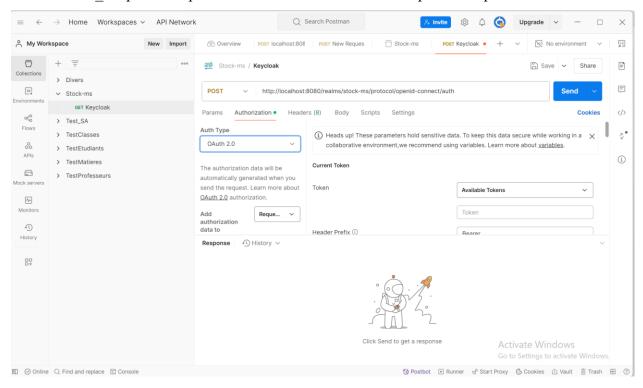


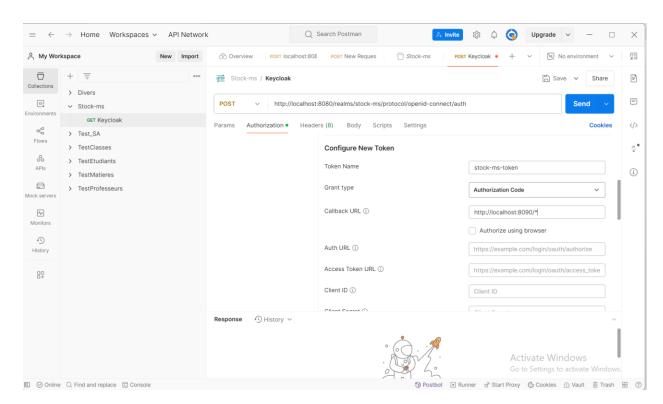


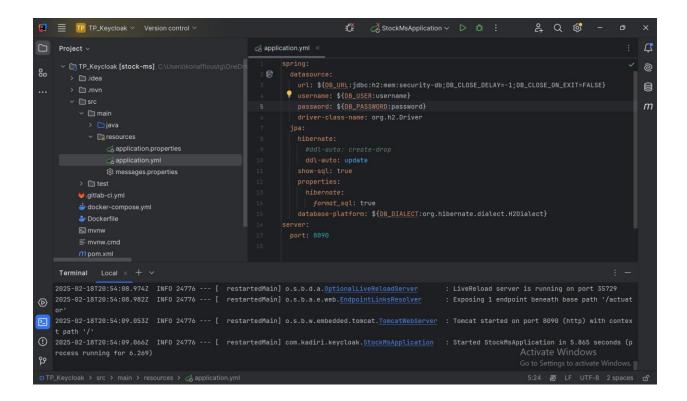
Utilisation de keycloak dans postman

Nous devons faire quelques configurations sur postman:

authorization_endpoint: http://localhost:8080/realms/stock-ms/protocol/openid-connect/auth

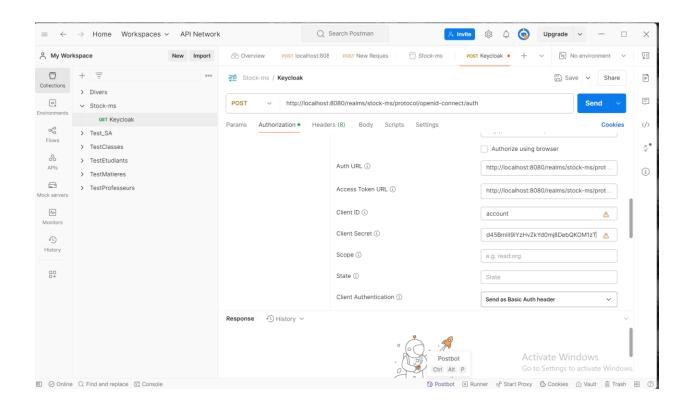


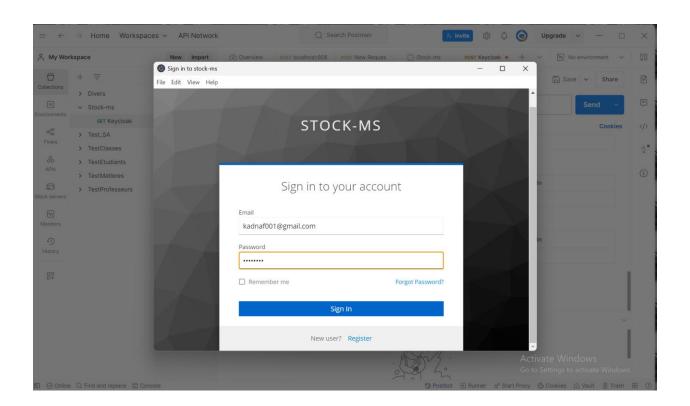


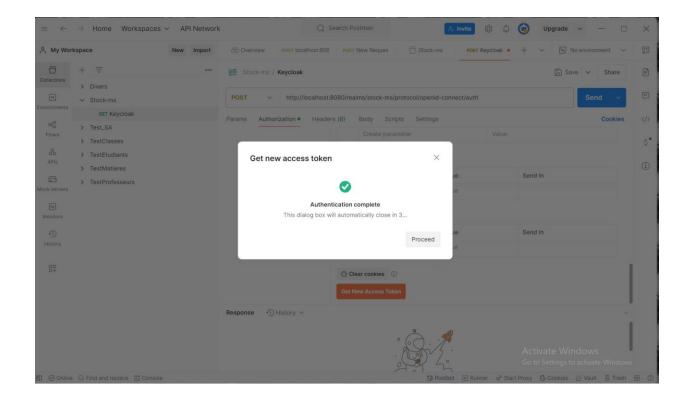


"authorization_endpoint": "http://localhost:8080/realms/stock-ms/protocol/openid-connect/auth",

"token_endpoint": "http://localhost:8080/realms/stock-ms/protocol/openid-connect/token",







Vous pouvez l'utiliser pour vos requetes

Test des end point et visualisation des données

