

Spring Security

Authentication vs Authorization

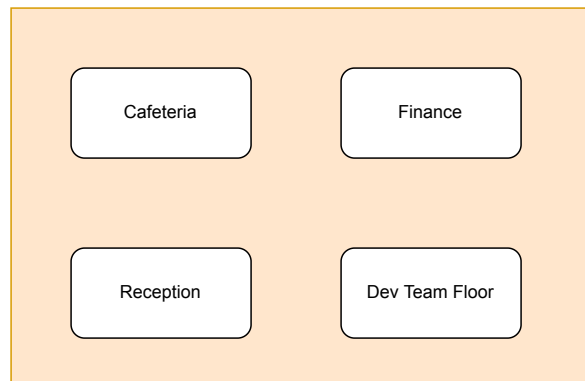
Basic Security

Developer
Authority/Role=Dev

Finance
Authority/Role=Finance

Guest

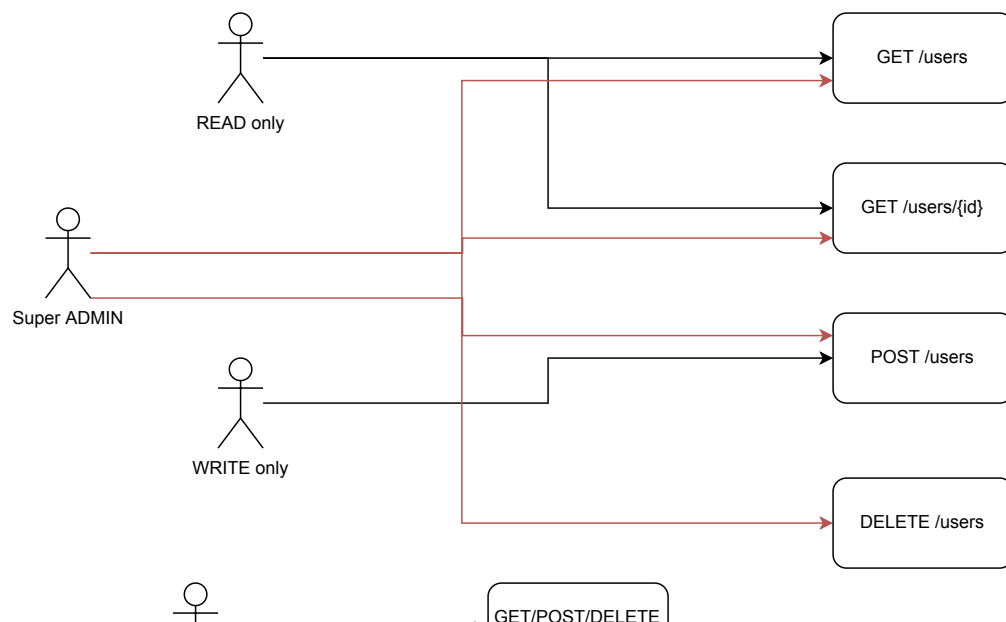
Admin
Authority/Role=Admin



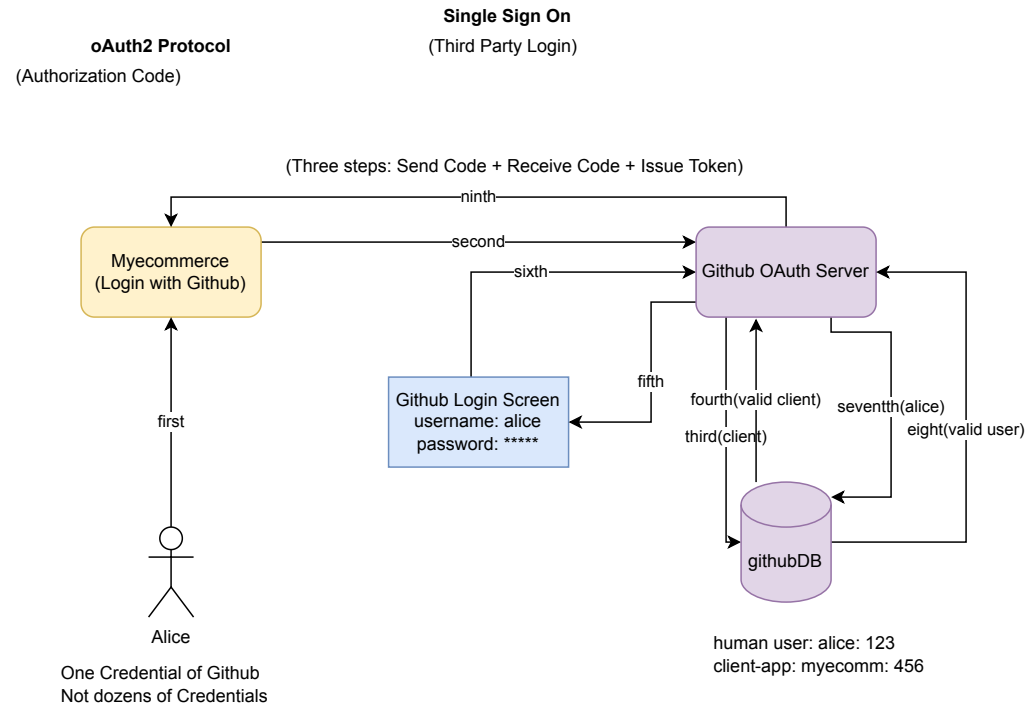
```

@PreAuthorize("Payor_Role")
public void pay(Amount amount, Payee payee) {
}
  
```

URL Level Security & Method Level Security







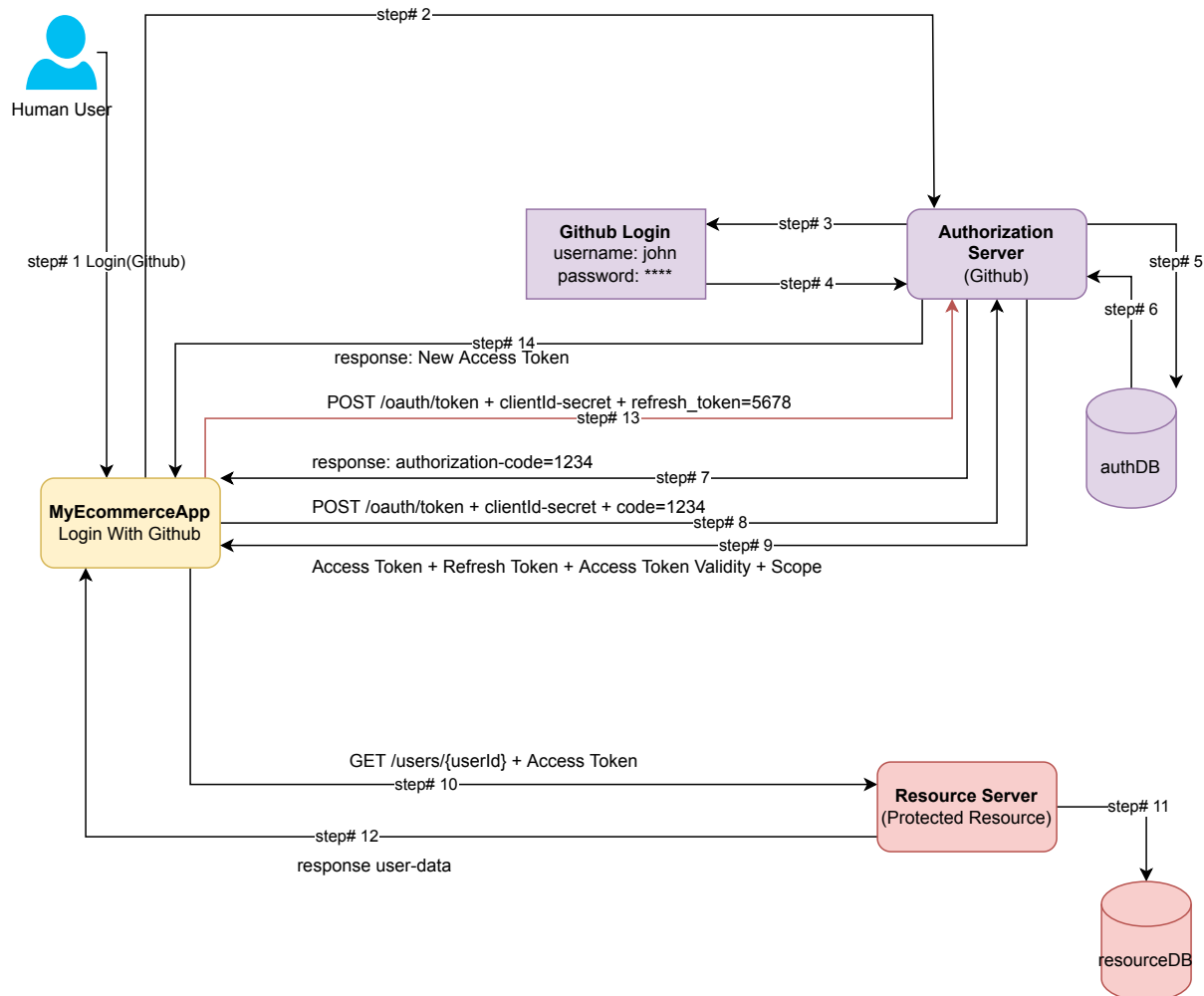
OAuth2

OAuth2 Players:

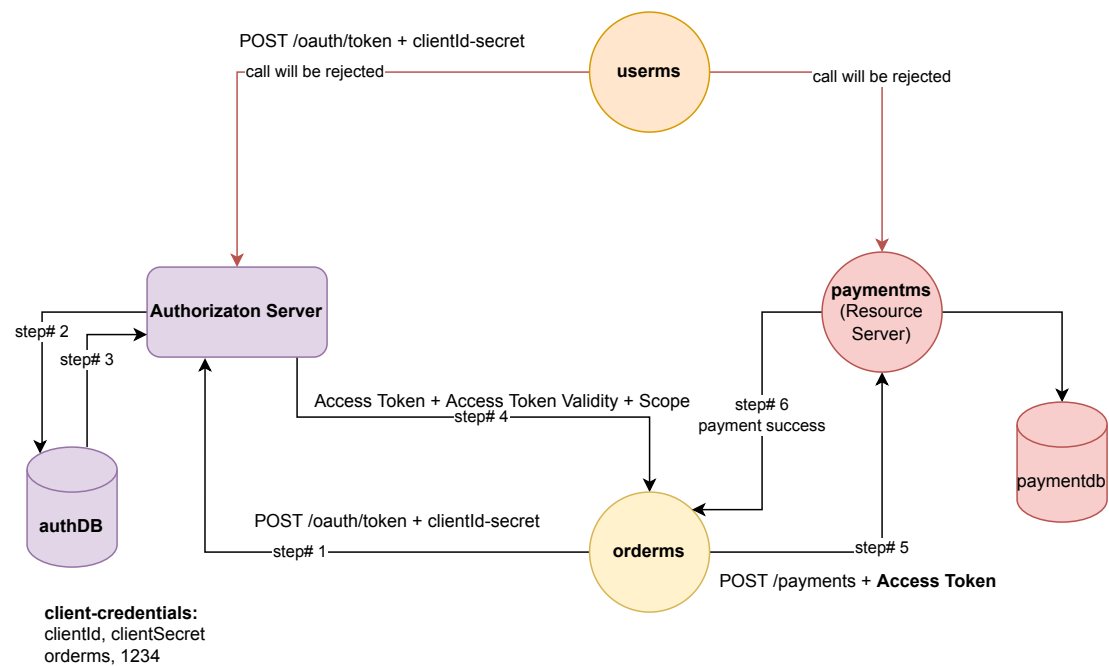
1. Resource Owner (Human User)
2. Client (ssoms)
3. Authorization Server (Github/oauth-server)
4. Resource Server (Github/apigateway)

Grant Type:

1. Authorization Code (SSO)
2. Implicit (Deprecated)
3. Password
4. Client Credentials (No Human User)



OAuth2
Client Credentials
(Refresh Token is not supported)



Microservices (Bigger Picture)

