

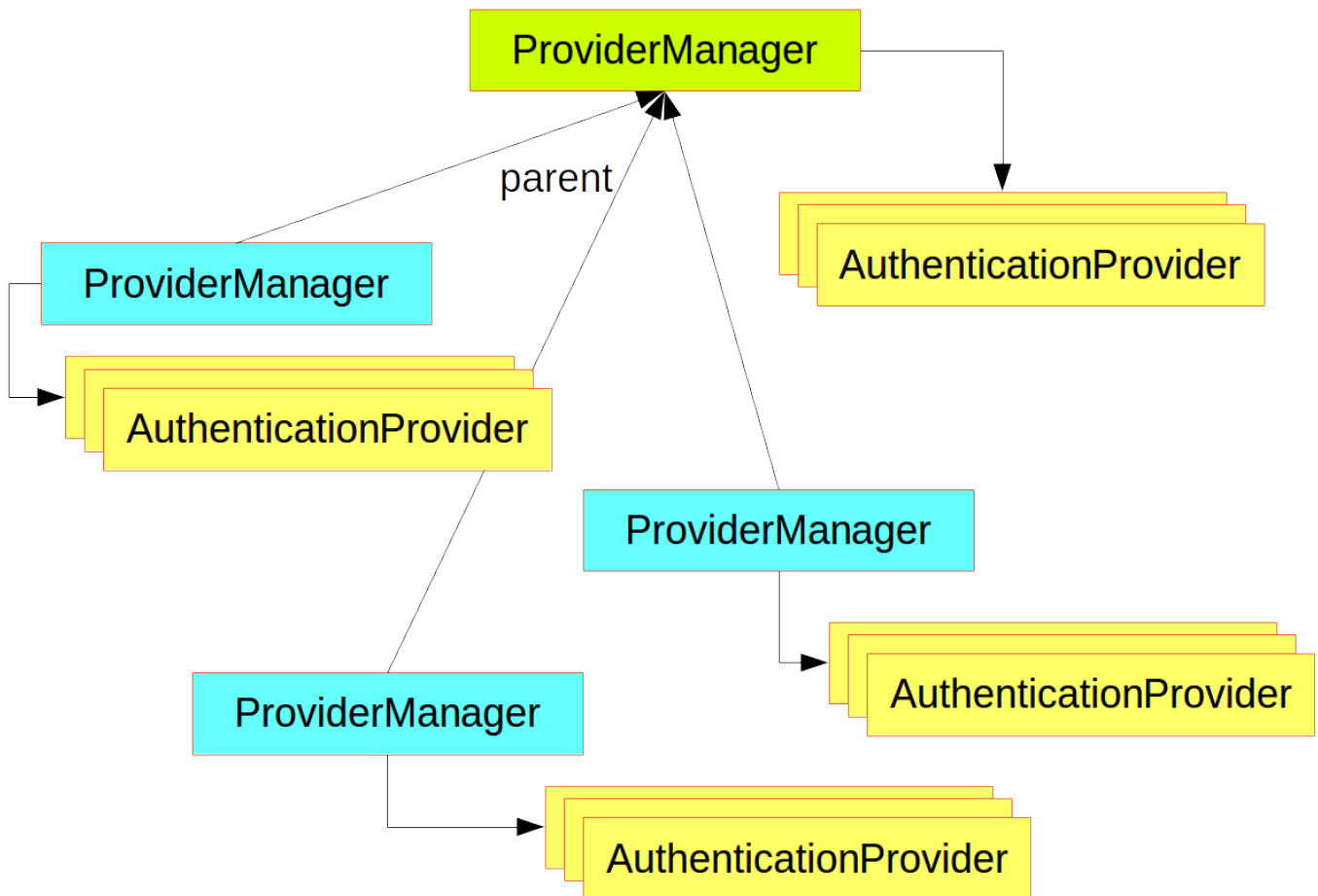
Spring Security

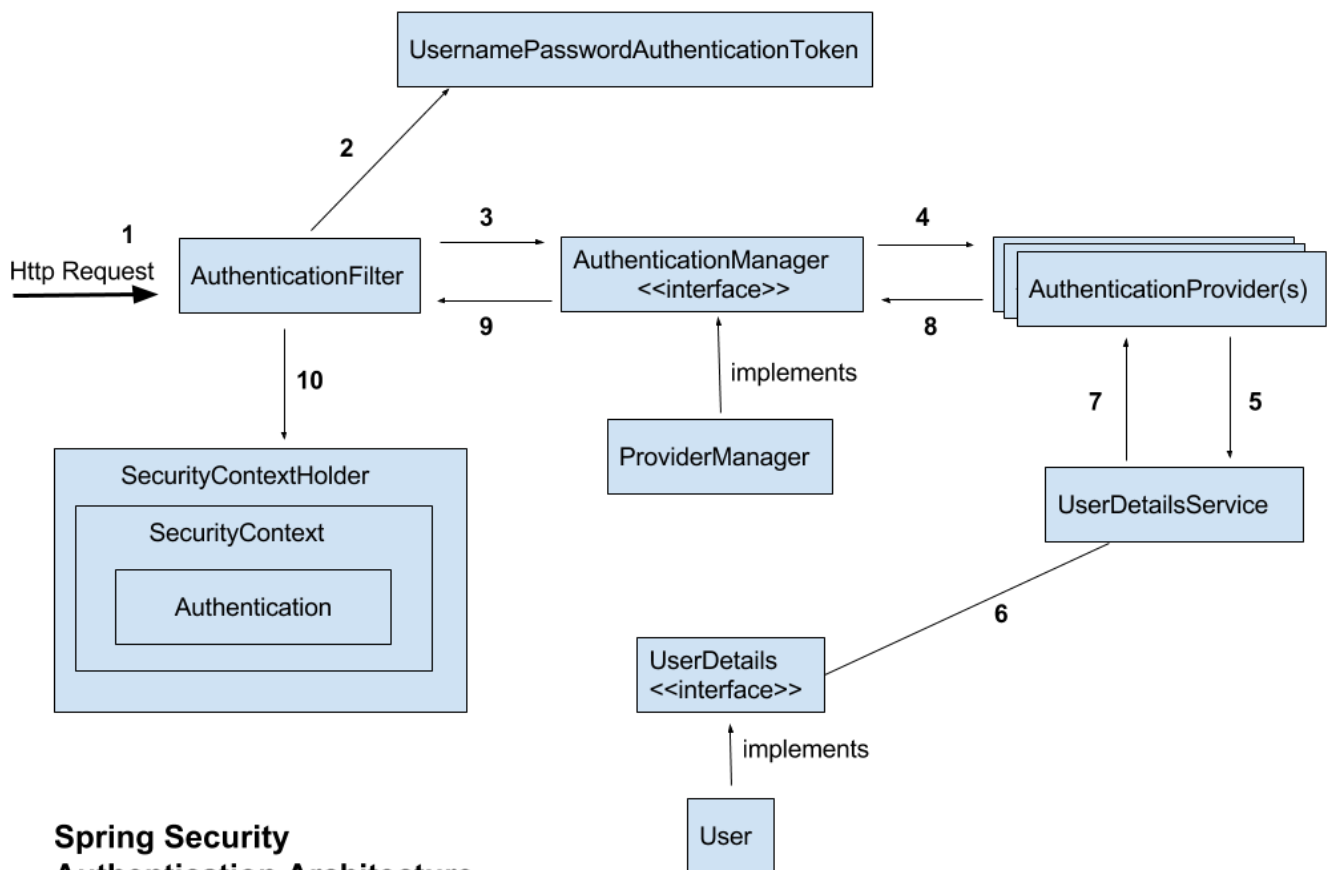
SpringBoot 기준으로 서술

Java, Spring

Overview

- Authentication : 인증. “유효한 사용자인가?”
- Authorization : 허가(권한 부여). 유효한 사용자가 이 작업을 할 수 있는가?





Documents

- [Spring Security Architecture](#)
- [\[Docs\] Spring Security - Servlet Applications](#)
- [Samples](#)

Authentication

Docs

- 모두 Interface

```

classDiagram
    class AuthenticationManager {
        authenticate(Authentication authentication)
        Authentication
    }
    class AuthenticationProvider {
        authenticate(Authentication authentication)
        Authentication
        supports(Class~?~ authentication) boolean
    }
    class UserDetailsService {
        loadUserByUsername(String username) UserDetails
    }
    class UserDetails {
        getAuthorities() Collection~?
        extends GrantedAuthority~
        getPassword() String
        isAccountNonExpired() boolean
        isAccountNonLocked() boolean
        isCredentialsNonExpired() boolean
        isEnabled() boolean
    }
    AuthenticationManager --> AuthenticationProvider : authRequest AuthenticationProvider <..>
    UserDetailsService --> UserDetails : 서비스 주입 후 authenticate()에서 사용자 정보를 꺼내어 사용
  
```

UserDetailsService : 서비스 주입 후 authenticate()에서 사용자 정보를 꺼내어 사용 UserDetailsService -- UserDetails

AuthenticationManager

- [AuthenctaionManager](#)
 - 기본 구현체 : [ProviderManager](#)
 - [AuthenticationManagerBuilder](#) : [WebSecurityConfigurerAdapter](#) 의 [configure\(AuthenticationManagerBuilder auth\)](#) Method로 “auth” 인자를 사용할 수 있는데, 이 인자의 “[userDetailsService\(T userDetailsService\)](#)”로 “[UserDetailsService](#)” 주입이 가능함.

```

AuthenticationManager - org.springframework.security.authentication
  AuthenticationManagerDelegator - org.springframework.security.config.annotation.authentication.configuration.AuthenticationConfiguration
  AuthenticationManagerDelegator - org.springframework.security.config.method.GlobalMethodSecurityBeanDefinitionParser
  AuthenticationManagerDelegator - org.springframework.security.config.annotation.web.configuration.WebSecurityConfigurerAdapter
  NoopAuthenticationManager - org.springframework.security.oauth2.client.filter.OAuth2ClientAuthenticationProcessingFilter
  NoOpAuthenticationManager - org.springframework.security.access.intercept.AbstractSecurityInterceptor
  OAuth2AuthenticationManager - org.springframework.security.oauth2.provider.authentication
  ProviderManager - org.springframework.security.authentication
  
```

AuthenticationProvider

- [AuthenticationProvider](#)

```

AuthenticationProvider - org.springframework.security.authentication
  AbstractJaasAuthenticationProvider - org.springframework.security.authentication.jaas
    DefaultJaasAuthenticationProvider - org.springframework.security.authentication.jaas
    JaasAuthenticationProvider - org.springframework.security.authentication.jaas
  AbstractUserDetailsAuthenticationProvider - org.springframework.security.authentication.dao
    DaoAuthenticationProvider - org.springframework.security.authentication.dao
    AnonymousAuthenticationProvider - org.springframework.security.authentication
    NullAuthenticationProvider - org.springframework.security.config.authentication.AuthenticationManagerBeanDefinitionParser
    OidcAuthenticationRequestChecker - org.springframework.security.config.annotation.web.configurers.oauth2.client.OAuth2LoginConfigurer
    PreAuthenticatedAuthenticationProvider - org.springframework.security.web.authentication.preauth
    RememberMeAuthenticationProvider - org.springframework.security.authentication
    RemoteAuthenticationProvider - org.springframework.security.authentication.rcp
    RunAsImplAuthenticationProvider - org.springframework.security.access.intercept
    TestingAuthenticationProvider - org.springframework.security.authentication
  
```

UserDetailsService

- [UserDetailsService](#)
 - [UserDetails](#)

```

UserDetailsService - org.springframework.security.core.userdetails
  CachingUserDetailsService - org.springframework.security.config.authentication
  ClientDetailsUserDetailsService - org.springframework.security.oauth2.provider.client
  DatabaseUserDetailsService - com.mastering.spring.springboot
  InMemoryUserDetailsService - com.mastering.spring.springboot
  JdbcDaoImpl - org.springframework.security.core.userdetails.jdbc
    JdbcUserDetailsManager - org.springframework.security.provisioning
  UserDetailsServiceDelegator - org.springframework.security.config.annotation.web.configuration.WebSecurityConfigurerAdapter
  UserDetailsManager - org.springframework.security.provisioning
    InMemoryUserDetailsManager - org.springframework.security.provisioning
    JdbcUserDetailsManager - org.springframework.security.provisioning
  
```

Authorization

[Docs](#)

Protection Against Exploits

[Docs](#)

From:

<http://ledyx.xyz/> - **Ledyx WIKI**

Permanent link:

<http://ledyx.xyz/doku.php?id=back-end:spring:security&rev=1619536891>

Last update: **2021/04/27 15:21**

