Configuring Basic Security

Development Process

Step-By-Step

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1. Create Spring Security Initializer

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2. Create Spring Security Configuration (@Configuration)

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2. Create Spring Security Configuration (@Configuration)

3. Add users, passwords and roles

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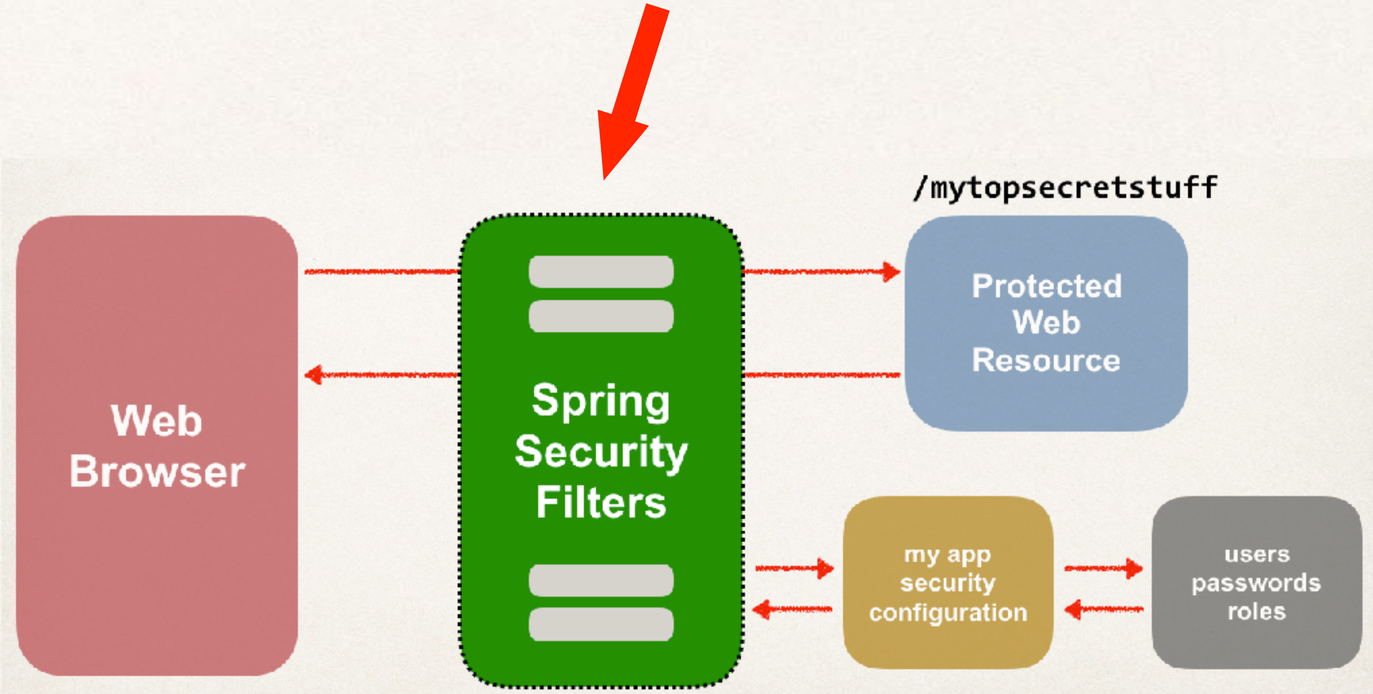

Spring Security Web App Initializer (more info)

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- Your TO DO list

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AbstractSecurityWebApplicationInitializer

- Your TO DO list
  - Extend this abstract base class
  - that's it!

Step 1: Create Spring Security Initializer

File: SecurityWebApplicationInitializer.java

```
import org.springframework.security.web.context.AbstractSecurityWebApplicationInitializer;

public class SecurityWebApplicationInitializer extends AbstractSecurityWebApplicationInitializer {

}
```

Step 2: Create Spring Security Configuration

File: DemoSecurityConfig.java

```
import org.springframework.context.annotation.Configuration;
import org.springframework.security.config.annotation.web.configuration.EnableWebSecurity;
import org.springframework.security.config.annotation.web.configuration.WebSecurityConfigurerAdapter;

@Configuration
@EnableWebSecurity
public class DemoSecurityConfig extends WebSecurityConfigurerAdapter {

}
```

Step 3: Add users, passwords and roles

File: DemoSecurityConfig.java

```
@Configuration
@EnableWebSecurity
public class DemoSecurityConfig extends WebSecurityConfigurerAdapter {

  @Override
  protected void configure(AuthenticationManagerBuilder auth) throws Exception {

    // add our users for in memory authentication









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Step 3: Add users, passwords and roles

File: DemoSecurityConfig.java

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  @Override
  protected void configure(AuthenticationManagerBuilder auth) throws Exception {

    // add our users for in memory authentication

    UserBuilder users = User.withDefaultPasswordEncoder();

    auth.inMemoryAuthentication()
      .withUser(users.username("john").password("test123").roles("EMPLOYEE"))
      .withUser(users.username("mary").password("test123").roles("MANAGER"))
      .withUser(users.username("susan").password("test123").roles("ADMIN"));

  }
```

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We will add DB support in later videos

(plaintext and encrypted)

Step 3: Add users, passwords and roles

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