

Spring Security Project Setup



Add Maven dependencies for Spring Security

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Spring Security

spring-security-web

spring-security-config

Spring Projects

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**Spring Framework
(core, aop, mvc...)**

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**Spring Framework
(core, aop, mvc...)**

- These are two separate projects
- The projects are on different release cycles
- Version numbers between projects are generally not in sync (sigh...)
- Spring team is working to resolve this for future releases ...

Spring Security

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**Spring Framework
(core, aop, web...)**

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- Common pitfall is using incompatible projects

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**Spring Framework
(core, aop, web...)**

- Common pitfall is using incompatible projects
- Need to find compatible version

Finding Compatible version

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- Find desired version of Spring Security in Maven Central Repo
 - spring-security-web

Finding Compatible version

- Find desired version of Spring Security in Maven Central Repo
 - spring-security-web
- Look at the project POM file
 - Find supporting Spring Framework version

Finding Compatible version

Finding Compatible version

[org.springframework.security : spring-security-web : 5.0.0.RELEASE](#)

Click on a link above to browse the repository.

Project Information

GroupId: org.springframework.security

ArtifactId: spring-security-web

Version: 5.0.0.RELEASE

Project Object Model (POM)

```
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-context</artifactId>
  <scope>compile</scope>
  <version>5.0.2.RELEASE</version>
</dependency>
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-core</artifactId>
  <scope>compile</scope>
```

Dependency Information

Finding Compatible version

[org.springframework.security : spring-security-web : 5.0.0.RELEASE](#)

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Dependency Information

Spring Security
version

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  <groupId>org.springframework</groupId>
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```

Spring Security
version

Spring Framework
version

Add Maven dependencies for Spring Security

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spring-security-web

spring-security-config

Add Maven dependencies for Spring Security

File: pom.xml

```
<properties>  
  <springframework.version>5.0.2.RELEASE</springframework.version>  
  <springsecurity.version>5.0.0.RELEASE</springsecurity.version>  
</properties>
```

...

Add Maven dependencies for Spring Security

File: pom.xml

```
<properties>
  <springframework.version>5.0.2.RELEASE</springframework.version>
  <springsecurity.version>5.0.0.RELEASE</springsecurity.version>
</properties>

...

<!-- Spring -->
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-webmvc</artifactId>
  <version>${springframework.version}</version>
</dependency>
```


Add Maven dependencies for Spring Security

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```
<properties>
  <springframework.version>5.0.2.RELEASE</springframework.version>
  <springsecurity.version>5.0.0.RELEASE</springsecurity.version>
</properties>

...

<!-- Spring -->
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-webmvc</artifactId>
  <version>${springframework.version}</version>
</dependency>

<!-- Spring Security -->
<dependency>
  <groupId>org.springframework.security</groupId>
  <artifactId>spring-security-web</artifactId>
  <version>${springsecurity.version}</version>
</dependency>
```


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<properties>
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...

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<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-webmvc</artifactId>
  <version>${springframework.version}</version>
</dependency>

<!-- Spring Security -->
<dependency>
  <groupId>org.springframework.security</groupId>
  <artifactId>spring-security-web</artifactId>
  <version>${springsecurity.version}</version>
</dependency>

<dependency>
  <groupId>org.springframework.security</groupId>
  <artifactId>spring-security-config</artifactId>
  <version>${springsecurity.version}</version>
</dependency>
```