· mercyblitz

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• Spring Bean

- BeanDefinition

• Spring Bean

- PropertyValues

• Spring

• Spring

- PropertySource

• Spring Profile

- @Profile

• Bean - BeanDefinition

• GenericBeanDefinition BeanDefinition

• RootBeanDefinition Parent BeanDefinition

BeanDefinition

• AnnotatedBeanDefinition BeanDefinition

- Bean PropertyValues
 - - Mitabl ePropertyVal ues
 - PropertyValue
- Bean AttributeAccessor
- Bean -

• Spring XML - beans

| beans | | |
|-------------------------------|----------|---|
| profile | nul I | Spring Profiles |
| defaul t-l azy-i ni t | defaul t | outter beans " default-lazy-init" " false" |
| default-merge | defaul t | outter beans " default-merge" " false" |
| defaul t-autowire | defaul t | outter beans " default-autowire" " no" |
| defaul t-autowire-candi dates | nul I | Spring Beans pattern |
| defaul t-i ni t-method | nul I | Spring Beans |
| defaul t-destroy-method | nul I | Spring Beans |

• Spring XML

| XML | |
|--|------------------------|
| <pre><context: annotati="" g="" on-confi=""></context:></pre> | Spri ng |
| <pre><context: component-scan=""></context:></pre> | Spring @Component |
| <pre><context: i="" me-="" oad-="" ti="" weaver=""></context:></pre> | Spring LoadTimeWeaver |
| <pre><context: mbean-export=""></context:></pre> | Spring Beans JNX Beans |
| <pre><context: mbean-server=""></context:></pre> | MBeanServer |
| <pre><context: acehol="" der="" property-pl=""></context:></pre> | Spri ng |
| <pre><context: de="" property-overri=""></context:></pre> | Spri ng |

XM

Spring Bean

• Spring Bean

| XML | |
|---|----------------------------|
| <pre><beans: beans=""></beans:></pre> | XML Spring Beans |
| <pre><beans: bean=""></beans:></pre> | Spring Bean BeanDefinition |
| <pre><beans: al="" as="" i=""></beans:></pre> | Spring Bean BeanDefinition |
| <pre><beans: i="" mport=""></beans:></pre> | Spring XML |

- Xml BeanDefinitionReader

Properti es

Spring Bean

• Spring Bean

| Properti es | |
|---------------|-----------------------|
| (cl ass) | Bean |
| (abstract) | BeanDefinition |
| (parent) | parent BeanDefinition |
| (lazy-i ni t) | |

- PropertiesBeanDefinitionReader

Properti es

Spring Bean

• Spring Bean

| Properti es | |
|-------------|------------|
| (ref) | Bean |
| (scope) | Bean scope |
| \${ n} | n n+1 |
| | |

- PropertiesBeanDefinitionReader

Spring Bean

• Spring

| Spri ng | | |
|------------------|----|------|
| @Repository | | 2. 0 |
| @Component | | 2.5 |
| @Servi ce | | 2. 5 |
| @Controller | ₩b | 2. 5 |
| @Confi gurati on | | 3. 0 |

Spring Boot

- " Spring

Spring Bean

• Spring Bean

| Spri ng | | | |
|------------|-----|---|------|
| @Bean | XML | <bean></bean> | 3. 0 |
| @DependsOn | XML | <pre><bean depends-on=""></bean></pre> | 3. 0 |
| @Lazy | XML | <pre><bean azy-i="" ni="" t="true fal ses" =""></bean></pre> | 3. 0 |
| @Primary | XML | <pre><bean primary="true false"></bean></pre> | 3. 0 |
| @Rol e | XML | <pre><bean e="" rol=""></bean></pre> | 3. 1 |
| @Lookup | XML | <pre><bean i="" ookup-method=""></bean></pre> | 4. 1 |

Spring Boot

- "Spring

Spring Bean

• Spring Bean

| Spri ng | | |
|------------|------------|------|
| @Autowired | Bean | 2. 5 |
| @Qualifier | @Autowired | 2. 5 |

| Java | | |
|-----------|------------|------|
| @Resource | @Autowired | 2. 5 |
| @ nj ect | @Autowired | 2. 5 |

Spring Boot

- " Spring

Spring Bean

• Spring Bean

| Spri ng | |
|----------------|------|
| @Profile | 3. 1 |
| @Condi ti onal | 4. O |

Spring Boot

- " Spring

Spring Bean

• Spring Bean

| Spri ng | | |
|----------------|--|-----|
| @PostConstruct | XML <bean init-method=""></bean> InitializingBean | 2.5 |
| @PreDestroy | XML <bean destroy-method=""></bean> DisposableBean | 2.5 |

Spring Boot

- " Spring

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• Spring BeanDefinition

| XML | Xml BeanDefinitionReader | 1. 0 |
|-------------|------------------------------------|------|
| Properti es | Properti esBeanDefi ni ti onReader | 1. 0 |
| Java | AnnotatedBeanDefinitionReader | 3. 0 |

- Spring XML BeanDefinition
 - API Xml BeanDefinitionReader
 - Resource
 - BeanDefinitionDocumentReader
 - XML Java DOM Level 3 API
 - BeanDefinition BeanDefinitionParserDelegate
 - BeanDefinition BeanDefinitionRegistry

- Spring Properties BeanDefinition
 - API Properti esBeanDefi ni ti onReader

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- Resource
- EncodedResouce

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- - j ava. util. Properties
- BeanDefinition API
- BeanDefinition BeanDefinitionRegistry

- Spring Java BeanDefinition
 - API AnnotatedBeanDefinitionReader
 - •
- - j ava. I ang. Cl ass
- •
- ConditionEvaluator
- Bean ScopeMetadataResol ver
- BeanDefinition API
- BeanDefinition AnnotationConfigUtils.processCommonDefinitionAnnotations
- BeanDefinition BeanDefinitionRegistry

XM

Spring IoC

• Spring LoC

XML

| | | Schema URL |
|---------|--------------------|---|
| beans | spring-beans | https://www.springframework.org/schema/beans/spring-beans.xsd |
| context | spring- context | https://www.springframework.org/schema/context/spring-context.xsd |
| аор | spring-aop | https://www.springframework.org/schema/aop/spring-aop.xsd |
| tx | spring-tx | https://www.springframework.org/schema/tx/spring-tx.xsd |
| util | spring-beans | https://www.springframework.org/schema/util/spring-util.xsd |
| tool | spring-beans | https://www.springframework.org/schema/tool/spring-tool.xsd |

Spring IoC

• Spring LoC

| Spri ng | | |
|-----------------|----------------------|------|
| @ mportResource | XML <i mport=""></i> | 3. 0 |
| @ mport | Configuration Class | 3. 0 |
| @Component Scan | package Spri ng | 3. 1 |

Spring Boot

- " Spring

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Spring IoC

• Spring LoC

| Spri ng | | |
|------------------|-------------------------------|------|
| @PropertySource | PropertySource PropertySource | 3. 1 |
| @PropertySources | @PropertySource | 4. O |

Spring Boot

- " Spring

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Extensible XML authoring

Spring XML

• Spring XML

• XML Schema XML

NamespaceHandl er

• BeanDefinitionParser XML BeanDefinition

• XML XML Schema

Extensible XML authoring

- AbstractApplicationContext#obtainFreshBeanFactory
 - AbstractRefreshableApplicationContext#refreshBeanFactory
 - AbstractXml ApplicationContext#loadBeanDefinitions
 - . . .
- Xml BeanDefinitionReader#doLoadBeanDefinitions
 - ...
- BeanDefinitionParserDelegate#parseCustomElement

Extensible XML authoring

- BeanDefinitionParserDelegate#parseCustomElement(org. w&c. dom Element, BeanDefinition)
 - namespace
 - namespace NamespaceHandler
 - ParserContext
 - BeanDefinintion

Properti es

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- @org. springframework. context. annotation. PropertySource
- @org. spri ngframework. context. annotati on. PropertySources

API

- org. spri ngframework. core. env. PropertySource
- org. spri ngframework. core. env. PropertySources

Spring Environment

YAM

- API
- org. springframework. beans. factory. config. Yaml Processor
 - org. springframework. beans. factory. config. Yaml MapFactoryBean
 - org. springframework. beans. factory. config. Yaml PropertiesFactoryBean

- Spring XML Schema



| | | Schema URL |
|---------|--------------------|---|
| beans | spring-beans | https://www.springframework.org/schema/beans/spring-beans.xsd |
| context | spring- context | https://www.springframework.org/schema/context/spring-context.xsd |
| aop | spring-aop | https://www.springframework.org/schema/aop/spring-aop.xsd |
| tx | spring-tx | https://www.springframework.org/schema/tx/spring-tx.xsd |
| util | spring-beans | https://www.springframework.org/schema/util/spring-util.xsd |
| tool | spri ng-beans | https://www.springframework.org/schema/tool/spring-tool.xsd |

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• Bean XML Proeprties BeanDefinition

• IoC XML Proeprties IoC AOP

• Proeprties YAML PropertySource

• Spring Profile

- Extensible XML authoring



• XML Schema spring. handlers spring. schemas Spring API

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• XML Spring XML DOM Level 3 API API

• XML XML JAXB