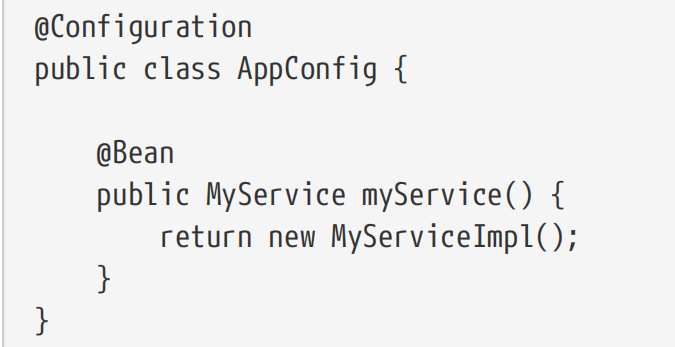
# IOC容器

Package：Bean & Context

## Java-based Container Configuration

### @Bean and @Configuration



效果等价于

<beans>

  <bean id="myService" class="com.acme.services.MyServiceImpl"/>

</beans>

Annotating a class with @Configuration

* indicates that its primary purpose is as a source of bean definitions.
* let inter-bean dependencies be defined by calling other @Bean methods in the same class.

### AnnotationConfigApplicationContext

capable of accepting not only @Configuration classes as input but also plain @Component classes and classes annotated with JSR-330 metadata.

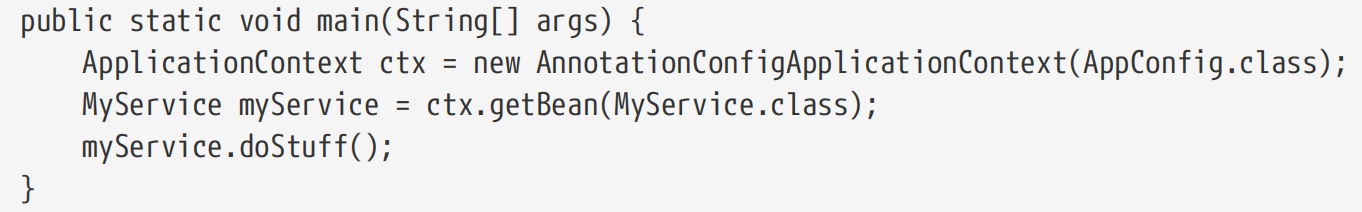
When @Configuration classes are provided as input, the @Configuration class itself is registered as a bean definition and all declared @Bean methods within the class are also registered as bean

definitions.

XML格式：ClassPathXmlApplicationContext

@Configuration classes：AnnotationConfigApplicationContext，不再需要使用XML

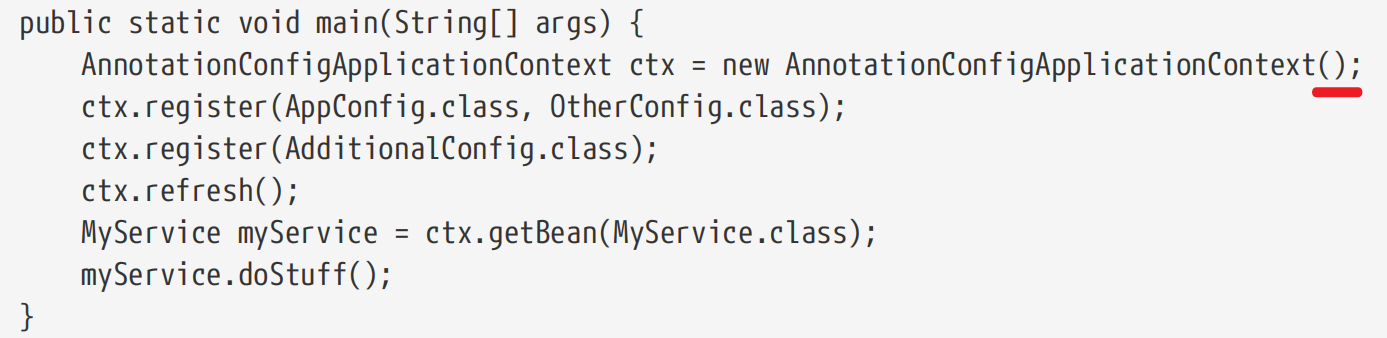
场景1：传入configuration类



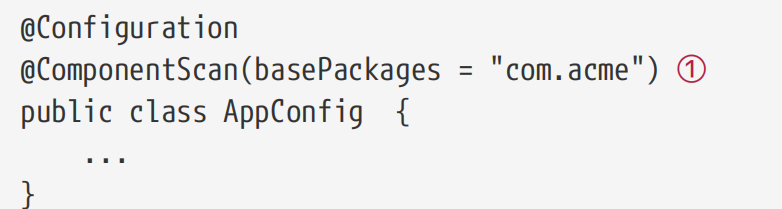
场景2：@Component和JSR330注解类



场景3：空构造函数+register()+refresh()



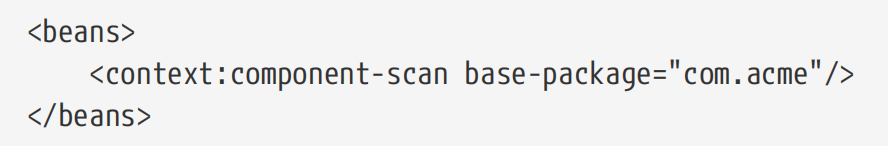
@ComponentScan(basePackages = "com.acme")



其他实现方案： refresh()用于处理注册bean定义



效果XML定义



### AnnotationConfigWebApplicationContext