

Spring Core – IoC



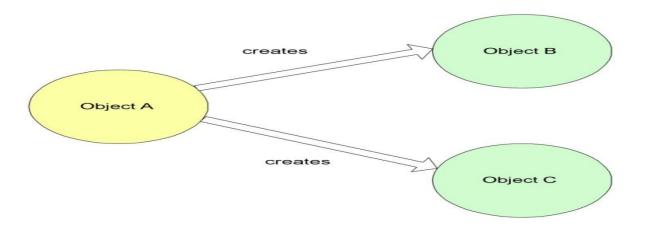


Dependency Injection & Inversion Of Control

Dependency: A POJO / bean / Entity

Non IOC – Getting a POJO by pulling – Hard Coding

```
Employee emp1 = new Employee();
Employee emp2 = new Employee();
// Explicit creation
```

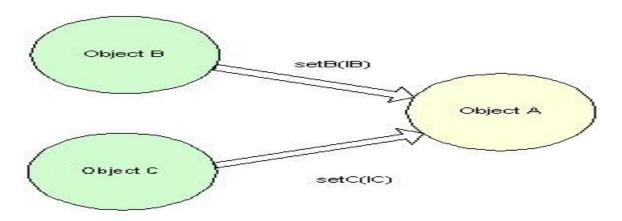




Inversion of Control

IOC: Getting a POJO Object by Pushing on demand by Spring Core Container

Employee emp1 = (Employee)xxxxx.getBean("emp1"); Employee emp2 = (Employee)xxxxx.getBean("emp2");



The act of Dependency Injection is known as 'wiring'.



Spring Core Container

Spring's Container uses IoC to manage components of the application.

Application context
 (org.springframework.context.ApplicationContext)
 provides application framework services



Spring way of DI

- Java classes should be as independent as possible from each other
- Spring Framework injects these dependencies via the container.
- Piecing together all beans in the Spring Container is called wiring.
- Wiring can be done through xml.





Bean Configuration

Beans are listed in the configuration file

*HelloWorld application





