

Spring

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Spring is declarative in nature
Most of the thing done by own side.

Heart of Spring Boot is IOC and DI.

Object creation is complex generally.

Fitnus

IOC

- C stands for Create Desktop.- new,create,destroy

-I for Inversion of object creation

The job creation object is complex so inverse and give this work container some one else.

New key words is crime in sprint

In Spring just declared the things what you want

Infra structure problem less spend time where as spend more time with business .

Tight coupled to loss coupled

MVC:-

The Model-View-Controller (MVC) is a well-known [design pattern](#) in the web development field. It is way to organize our code. It specifies that a program or application shall consist of data model, presentation information and control information. The MVC pattern needs all these components to be separated as different objects.

From <<https://www.javatpoint.com/mvc-architecture-in-java>>

Kaphka->messaging Server

Schedule Mechanisum java is there just use schedule

Spring boot offer Rad

sriing

Add class name into some .xml file so that without creating object we call services using spring

As the xml goes to container then it is known as bean.

And every bean has unique number id.

Don't add pogo to spring only add services

Containers is a objects in memory

scope="prototype":- it change from single to prototype

Services should be sharable

Every bean have to acquire the resources and release the resources.

Init- to setup acquire resources

Destroy method= cleanup bean just container se bahar jata he tub

Don't use in pojos use in services

Wire means creating reference and bean

```
ClassPathXmlApplicationContext container =  
new ClassPathXmlApplicationContext("springconfig.xml");  
It load all beans and the implementation
```

Default behavior is eager loading:- It load all beans and the implementation

lazy-init="true" will call the bean it bean is created by using this:-

```
GreetingService gs1 = container.getBean("greetingService", GreetingService.class);
```

If you want to store reference like customer has address so customer contain address object then in bean we will use ref or if want to store simple data then use value