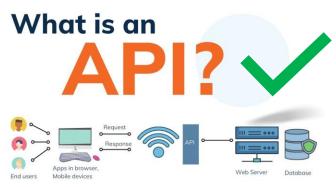
Say Hello with.....



https://spring.io/

MILESTONES

























Why Spring



Alternative for Java EE



Learning curve is short



No need some additional infra: as Servers or web containers



Both Desktop and web support



Later, inherit the Spring FW characters for Java EE



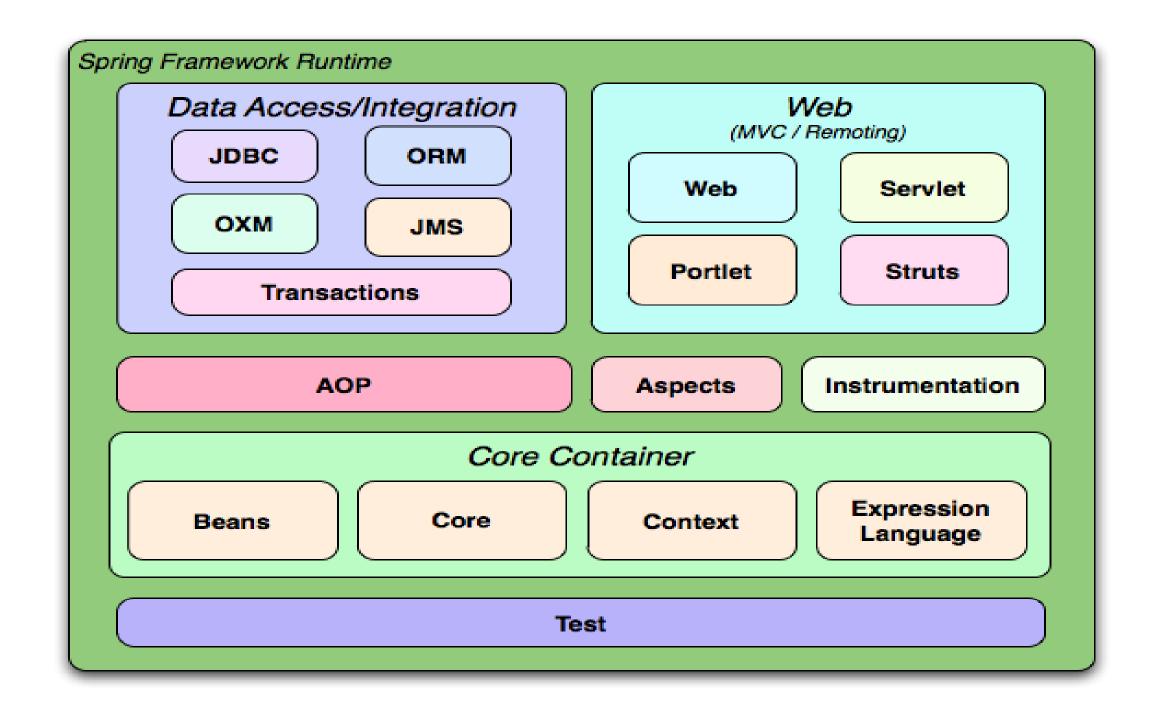
Java EE has limitations. -Should extend HttpServlet class

Popular



Classics





Dependency Injection

Some concepts that related to the Spring FW

IOC

Component

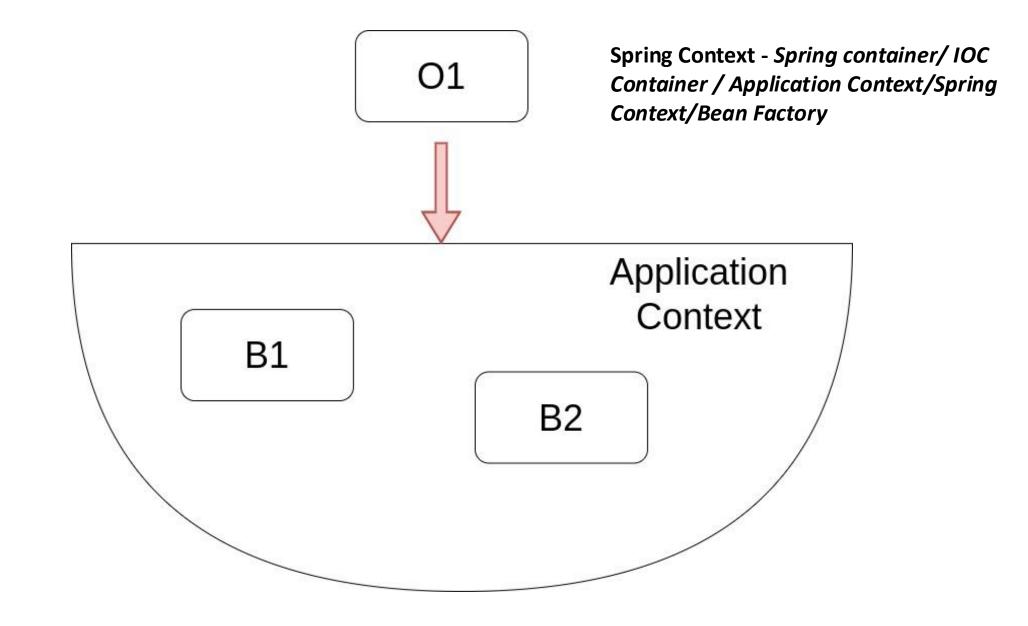
Bean

Context

AAD | GDSE 68

Programming paradigm of Spring FW

- Inspired declarative programming paradigm
- Declarative programming is a programming paradigm that focuses on describing what a program should accomplish, rather than explicitly specifying how to achieve it
- Configs and Annotations are cater the declarative role



HOW IT IS WORKS



Spring Bean

- Spring Beans: Any Java object, preferably POJO (Plain Old Java Object)
- Java Beans: An object created from a class that follows the Bean specification.
- Earlier, it was called Bean Factory, and Application Context is an extension of it.
- Bean Factory behaves as a factory for creating Spring Beans.
- Application Context provides more functionalities than Bean Factory.

Context types

- AnnotationConfigurationApplicationContext Configs from annotations
- ClassPathXMLApplicationContext Based on an internal source
- FileSystemXMLAppicationContext Based on an external source
- AnnotationConfigurationWebApplicationContext Get configs from Annotations (Specialized to web apps)
- XMLWebApplicationContext Get configs from XML

Key classes

AppInitializer – Naming convention for entry point class

Create the context and register the config class

Configuration class - A source for bean definition

What's happen with these classes and contexts?







See the white board .. Process of Spring CORE

Annotations!!

- @Component
- @ComponentScan
- @Bean

Annotations!!

- @RestController
- @EnableWebMvc
- @PostMapping | @GetMapping | @DeleteMaping.....
- @RequestMapping
- @CrosOrigin



Ready for Coding!!