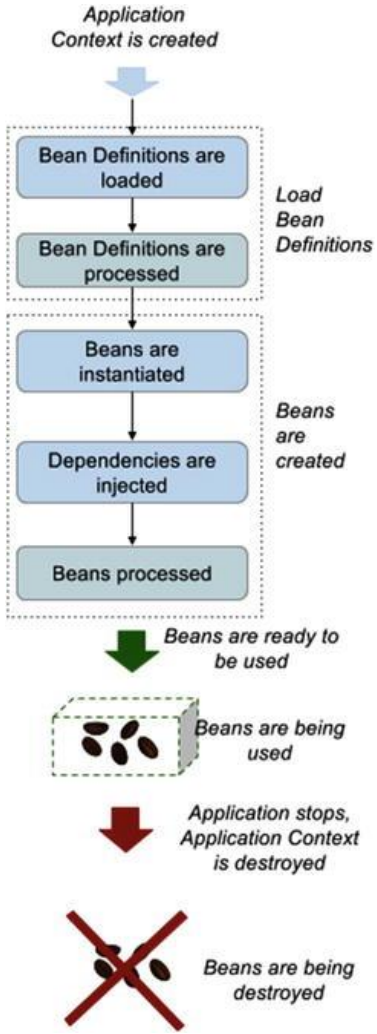
Bean Lifecycle

@PostConstruct
ApplicationContext
BeanPostProcessor
@PreDestroy

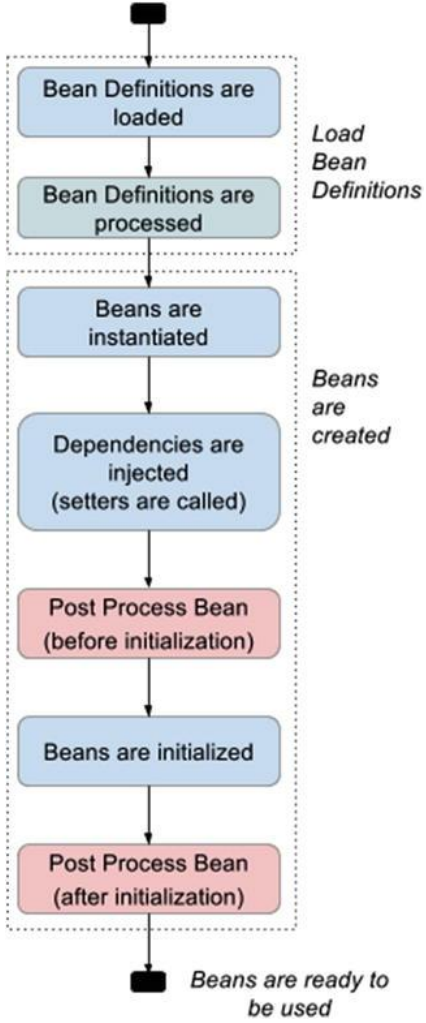

Application Context is created
Bean Definitions are loaded
Bean Definitions are processed
Load Bean Definitions
Beans are instantiated
Dependencies are injected
Beans processed
Beans are created
Beans are ready to be used
Beans are being used
Application stops, Application Context is destroyed
Beans are being destroyed

BeanPostProcessors

- The @PostConstruct annotation is part of the JSR 25013 and is used on a method that needs to be executed after dependency injection is done to perform initialization. The methods that can be annotated with @PostConstruct must respect the same rules as every other init method: they must have no arguments, return void, and they can have any access right.

- The @PreDestroy annotation is used on methods as a callback notification to signal that the instance is in the process of being removed by the container.

- JSR-250 - is a Java Specification Request with the objective to develop annotations (that is, information about a software program that is not part of the program itself) for common semantic concepts in the Java SE and Java EE platforms that apply across a variety of individual technologies.


Bean Definitions are loaded
Bean Definitions are processed
Load Bean Definitions
Beans are instantiated
Dependencies are injected (setters are called)
Beans are created
Post Process Bean (before initialization)
Beans are initialized
Post Process Bean (after initialization)
Beans are ready to be used

@PostConstruct
ApplicationContext
BeanPostProcessor
@PreDestroy