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Spring Boot Interview Questions

APRIL 2, 2018 BY RAMBABU POSA — 14 COMMENTS

Today we will look into some spring boot interview questions and answers. So far, we have discussed some posts about Spring Boot Framework with some real-time examples. In this post, I'm going to give you brief or one shot answers to some Spring Boot Interview Questions. They are very useful when we want to face interview.

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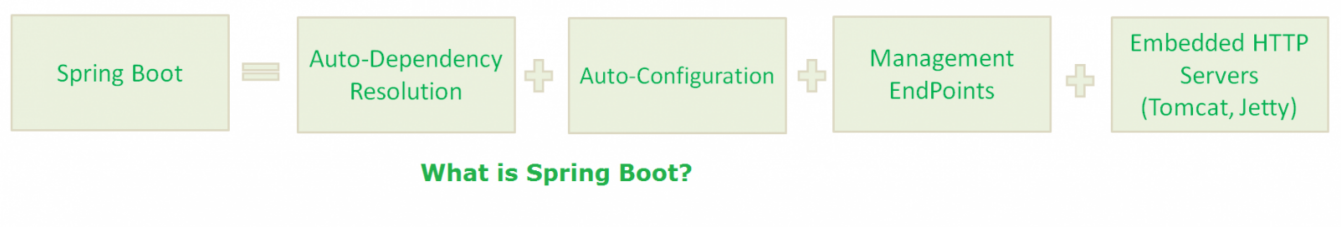
Spring Boot Interview Questions

Spring Boot is a one-stop Framework to develop Spring applications very easily. I have covered a lot of spring interview questions earlier, this is specifically for spring boot interview questions and answers.

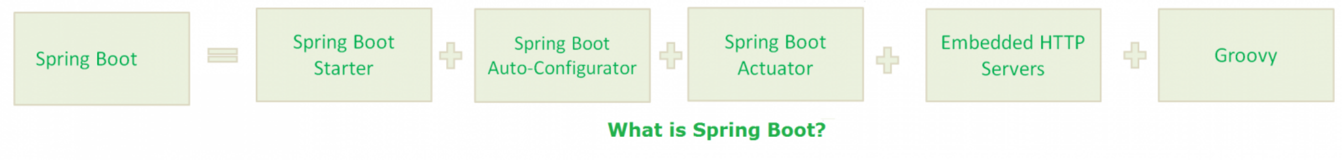
These spring boot interview questions are good for experienced programmers as well as new to spring boot framework.

What is Spring Boot?

In simple words, Spring Boot Framework is Auto-Dependency Resolution, Auto-Configuration, Management EndPoints, Embedded HTTP Servers(Jetty/Tomcat etc.) and Spring Boot CLI



In other words, Spring Boot Framework is Spring Boot Starter, Spring Boot Auto-Configurator, Spring Boot Actuator, Embedded HTTP Servers and Groovy.



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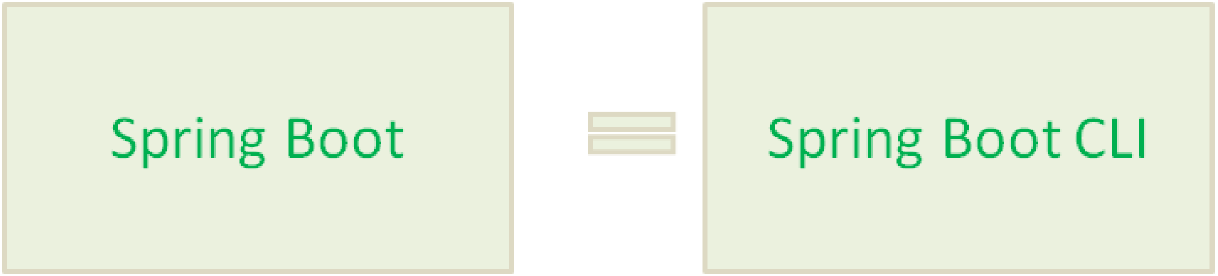
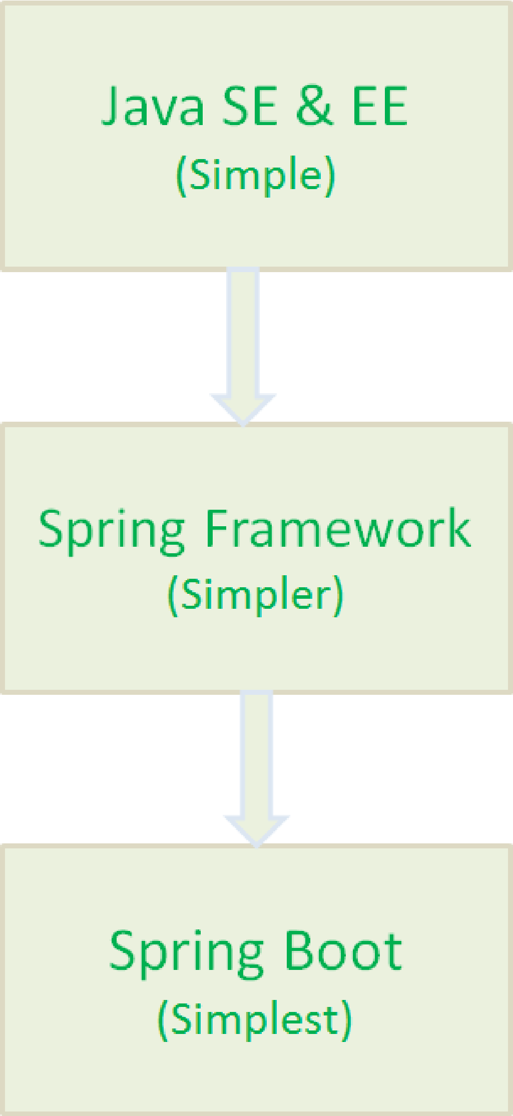


NOTE:-
If you are confused about last two definitions, please read rest of the post to make it clear.

Why we need Spring Boot?

1. Spring Framework aims to simplify Java Applications Development.
2. Spring Boot Framework aims to simplify Spring Development.



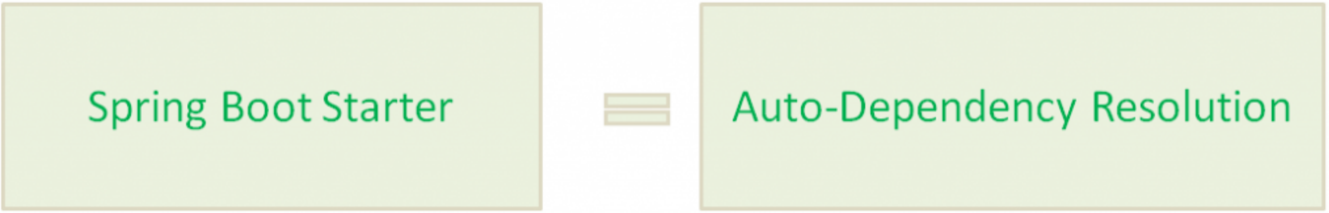
Spring Boot Components

Spring Boot Framework has the following components:

1. Spring Boot Starter
2. Spring Boot AutoConfigurator
3. Spring Boot Actuator
4. Spring Boot CLI
5. Spring Boot Initilizr

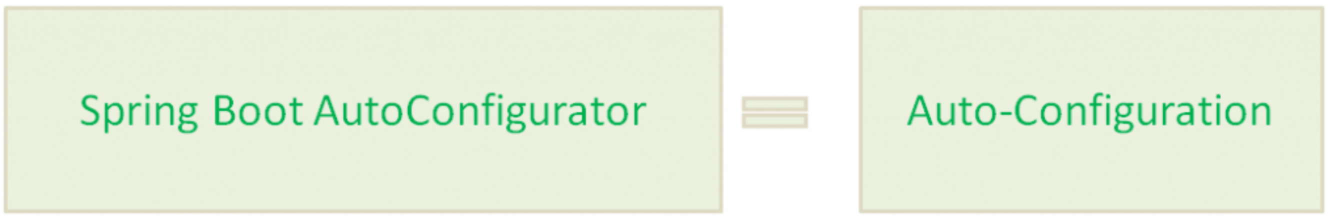
What is Spring Boot Starter?

Spring Boot Starters are just JAR Files. They are used by Spring Boot Framework to provide "Auto-Dependency Resolution".



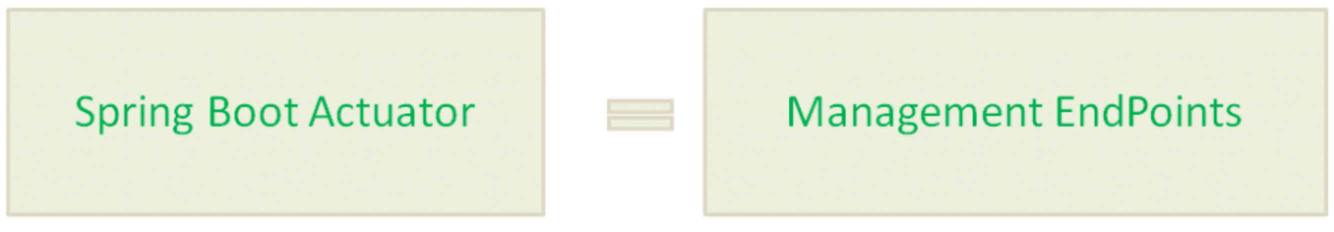
What is Spring Boot AutoConfigurator?

Spring Boot AutoConfigurator is used by Spring Boot Framework to provide “Auto-Configuration”.



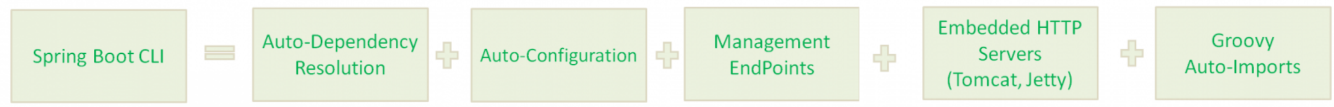
What is Spring Boot Actuator?

Spring Boot Actuator is used by Spring Boot Framework to provide “Management EndPoints” to see Application Internals, Metrics etc.



What is Spring Boot CLI?

In simple words, Spring Boot CLI is Auto Dependency Resolution, Auto-Configuration, Management EndPoints, Embedded HTTP Servers(Jetty,Tomcat etc.) and (Groovy,Auto-Imports)



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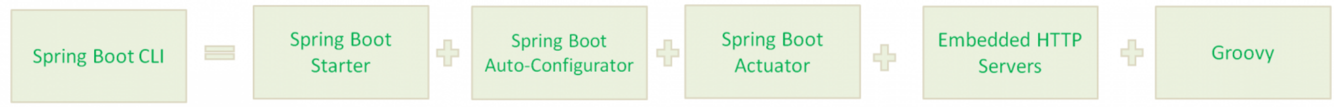
In other words, Spring Boot CLI is Spring Boot Starter, Spring Boot Auto-Configurator, Spring Boot Actuator, Embedded HTTP Servers and Groovy.



What is Spring Boot CLI?

With Spring Boot CLI:

- No Semicolons
- No Public and private access modifiers
- No Imports(Most)
- No "return" statement
- No setters and getters
- No Application class with main() method(It takes care by SpringApplication class).
- No Gradle/Maven builds.
- No separate HTTP Servers.

What is Spring Boot Initilizr?

Spring Boot Initilizr is a Spring Boot tool to bootstrap Spring Boot or Spring Applications very easily.

Spring Boot Initilizr comes in the following forms:

1. Spring Boot Initilizr With Web Interface
2. Spring Boot Initilizr With IDEs/IDE Plugins
3. Spring Boot Initilizr With Spring Boot CLI
4. Spring Boot Initilizr With ThirdParty Tools

Why we need Spring Boot Initilizr?

Spring Boot Initilizr simplifies Spring Applications Development by providing initial project structure and build scripts.

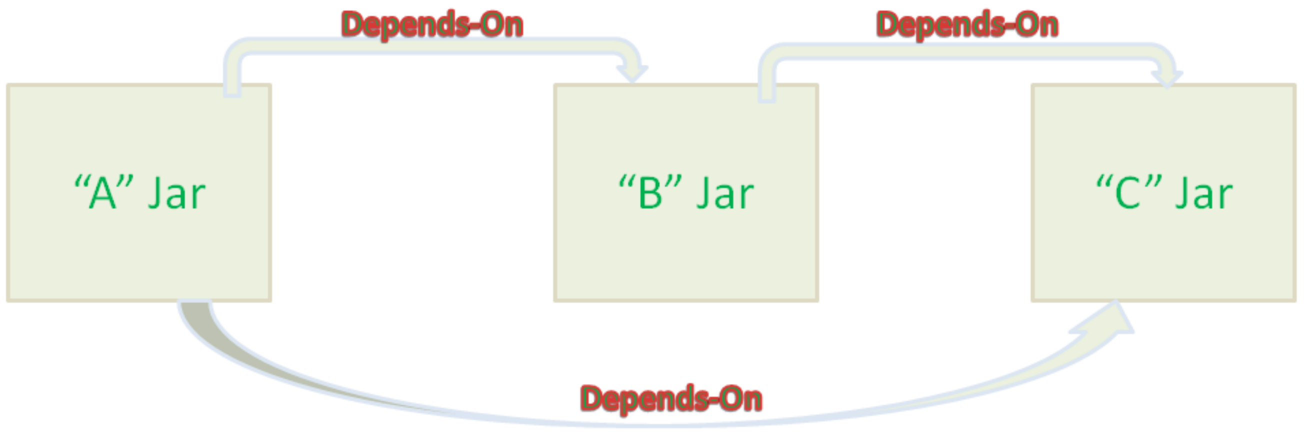
- It reduces Development time
- It increases Productivity

Spring Boot With Maven/Gradle?

Spring Boot Framework uses one of the greatest features of Maven/Gradle build tools: **"Transitively Dependency Resolution Management"**.

What is "Transitively Dependency Resolution Management"?

"Transitively Dependency Resolution Management" means: If we define a "A" dependency in build scripts, "A" is dependent on "B" and "B" is dependent on "C", That means "A" is also dependent on "C".
Then Build Tools will download and add all Three Jar files "A", "B" and "C" to our application classpath.



That's all about Spring Boot interview questions and answers. If you want to learn these concepts in depth, please go through my previous posts one by one. You should also go through official documentation.

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Spring Boot Initilizr With ThirdParty Tools

NEXT »
Spring 4 Security

About Rambabu Posa

Rambabu Posa have 13 years of RICH experience as Sr Agile Lead Java/Scala/BigData/NoSQL Developer. Apart from Java, he is good at Spring4, Hibernate4, MEAN Stack, RESTful WebServices, NoSQL, BigData Hadoop Stack, Cloud, Scala, Groovy Grails, Play Framework, Lagom Framework and ConductR, TDD, BDD,Agile,DevOps and much more. His hobbies are Developing software, Learning new technologies, Love Walking, Reading Books, Watching TV and obviously sharing his knowledge through writing articles on JournalDev.

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Comments

sami klamy says

SEPTEMBER 11, 2018 AT 3:40 AM

i think you should write what CLI abbreviation is for

Reply