



By ADITYA PRABHAKARA

Agenda

- Jenkins Overview
- > Jenkins Setup
- Build Jobs of Jenkins
- > Jenkins with Git

Jenkins Setup

> Three ways to setup jenkins

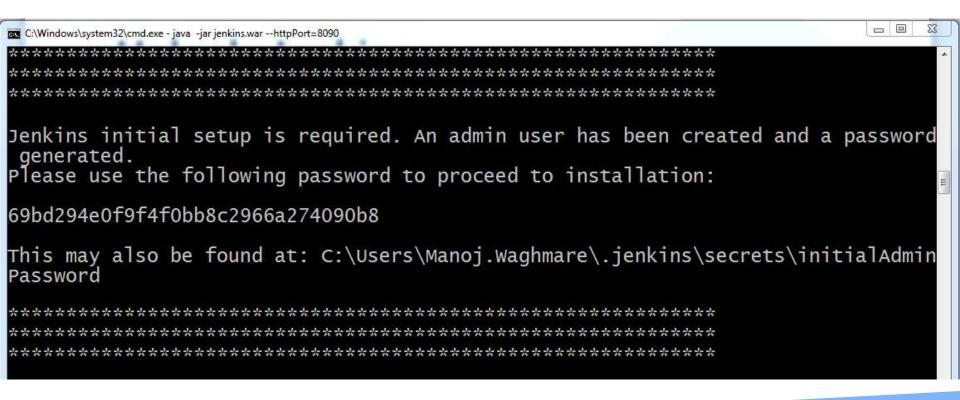
- 1. Run Jenkins using inbuilt server (WinStone)
- 2. Install Jenkins in a J2EE servlet container like Tomcat etc
- 3. Windows service



➤ Run Jenkins using inbuilt server

```
java -jar jenkins.war --httpPort=8090
```

Jenkins Setup





Getting Started

Create First Admin User

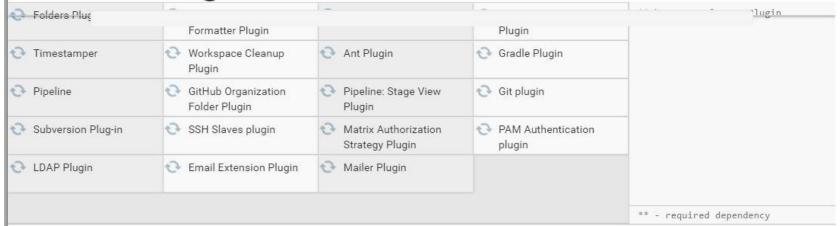
Username:	adityasp
Password:	**********
Confirm password:	**********
Full name:	Aditya
E-mail address:	sp.aditya@gmail.com

Jenkins 2.32.1 Contin

Jenkins Setup

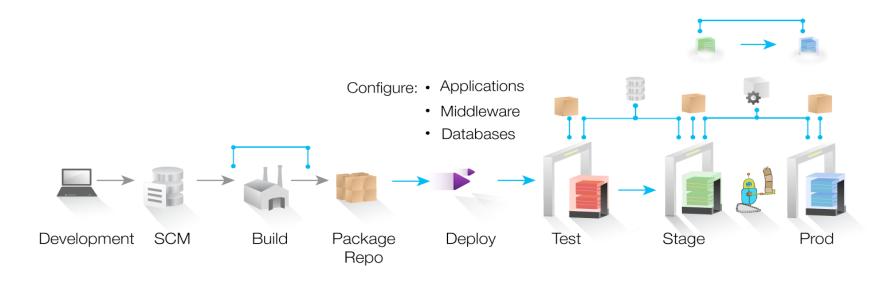
Getting Started

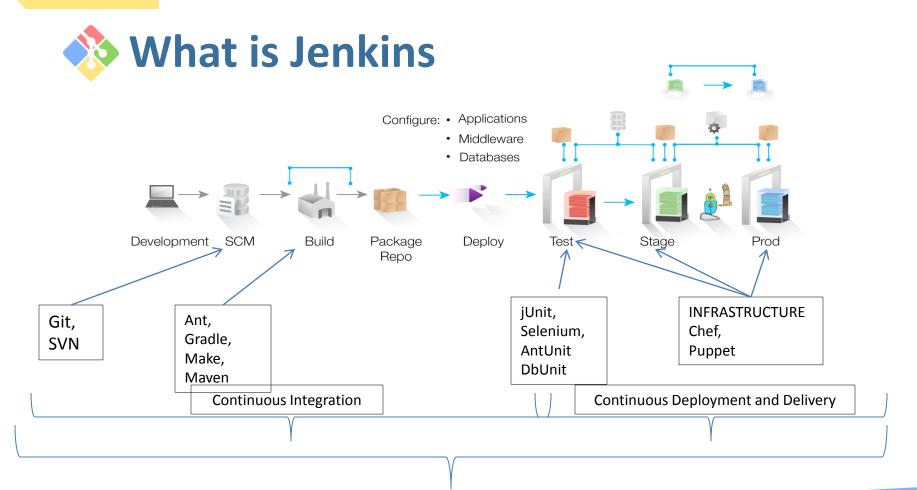
Getting Started



Jenkins 2.32.1

- >A continuous build tool
- >Automate build, artefact management, deployment process
- Simple, UI based easy to use tool
- >Inbuilt scheduler
- Very essential to the "continuous feedback loop"





- A continuous build tool
- >Eliminates the step of integration in development lifecycle
- > Detect **build breaks** sooner
- > Report **test run** fail/success reports
- > Record of **maturation** of project
- > Deployable system at the end of each Jenkins run
- >Ties together the whole tool chain

- ▶ Has roots in "Hudson"
- >Runs as a **server**
- >Any servlet container will do
- Comes inbuilt with a lot of plugins
- >Two nice modes of running jenkins
 - >Jenkins Pipeline Only available in v 2+
 - > Freestyle project



Freestyle

- Configure the whole Jenkins process as tool runs
- Configure Jenkins as build step

Pipeline

- Configure using groovy script
- Better visualization of build steps
- More control in terms of branching etc

Jenkins – UI

