

Jenkins Fundamentals

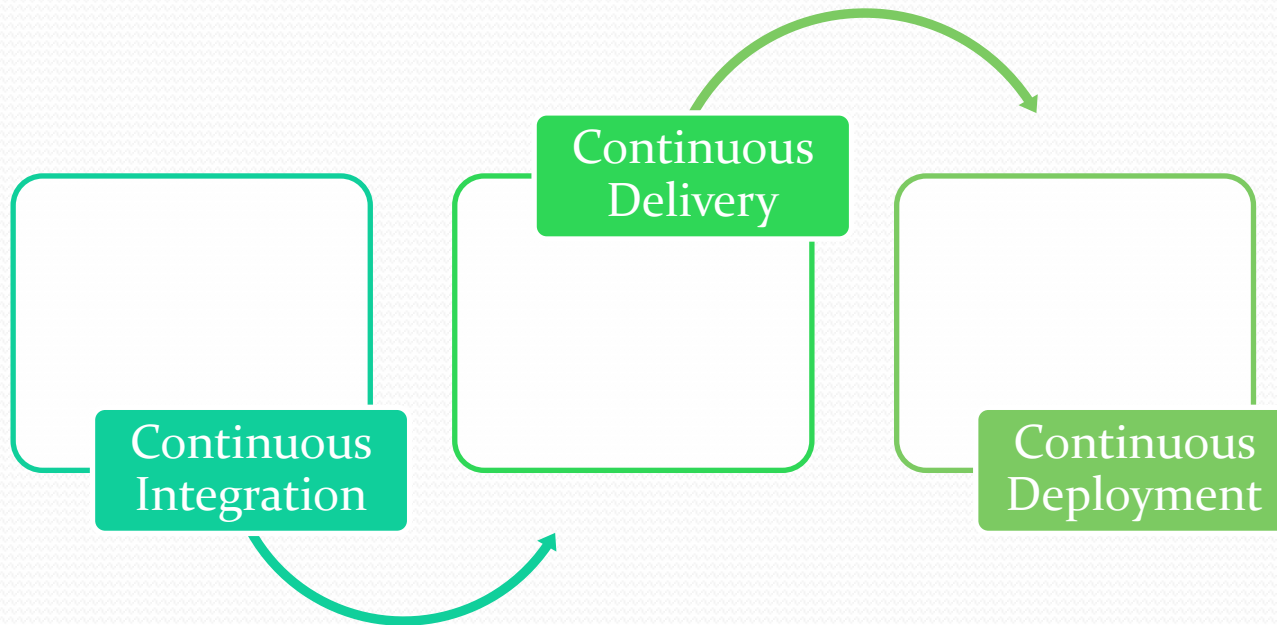
By Anju M Dominic



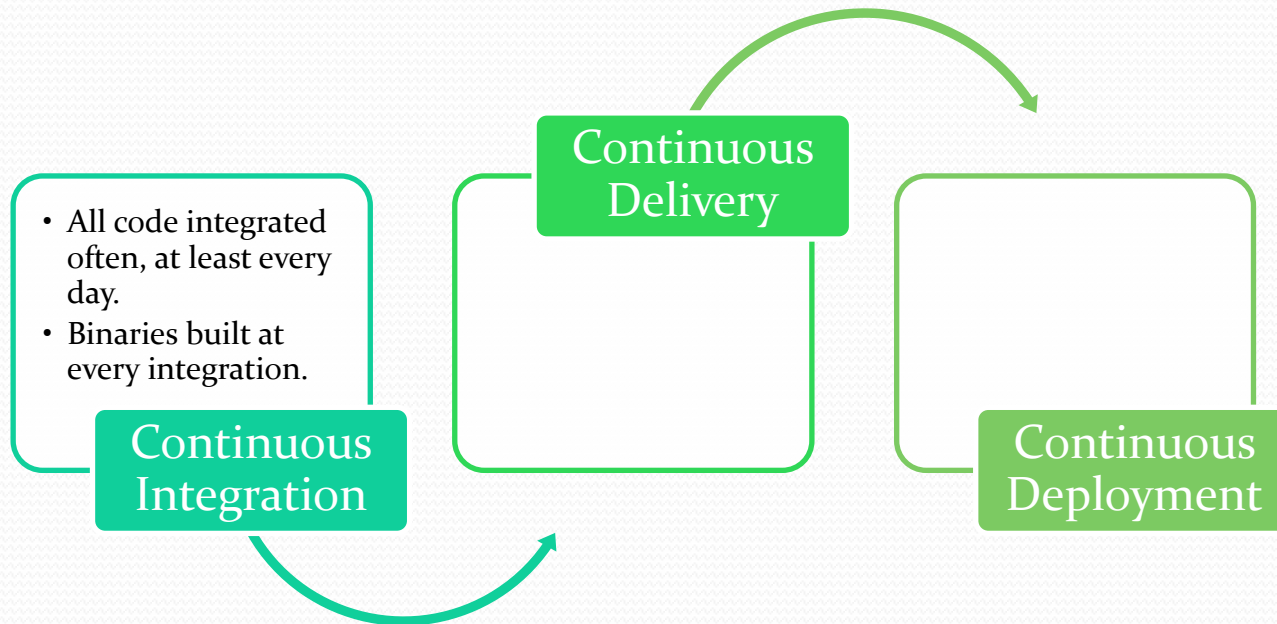
What are we going to learn?

- Jenkins as an automation server
- Jenkins in CI/CD
- Why we go for Jenkins?
- Jenkins jobs
- Pipeline as code using Jenkins
- Back up in Jenkins

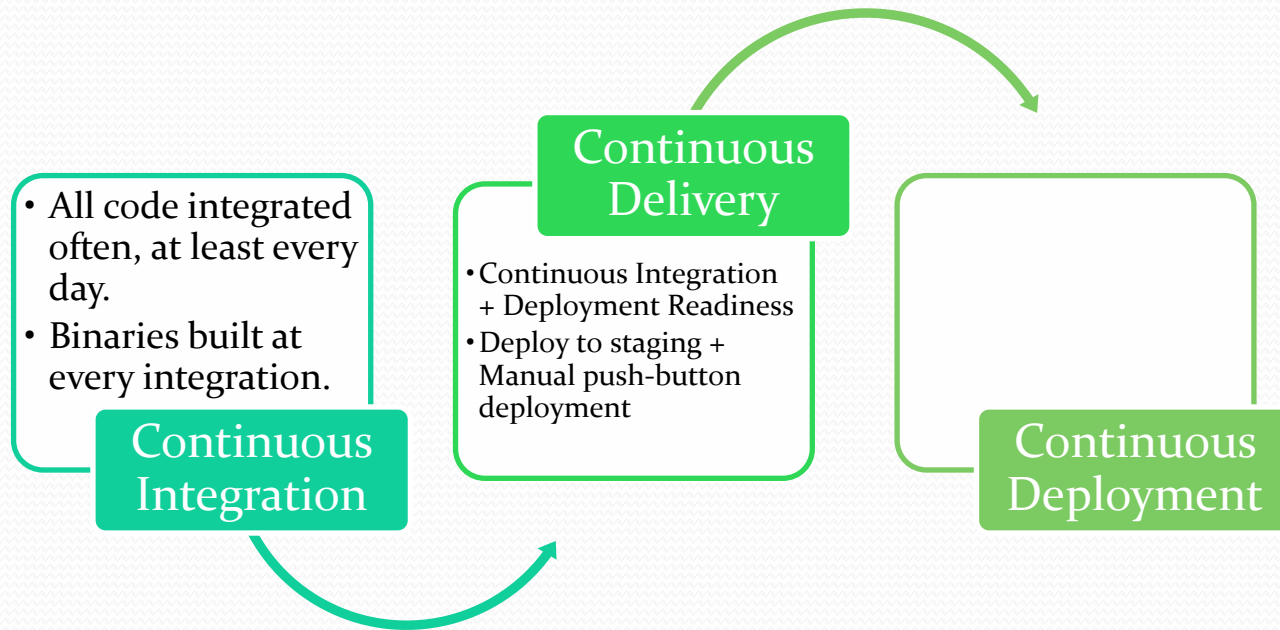
Three Levels of Maturity



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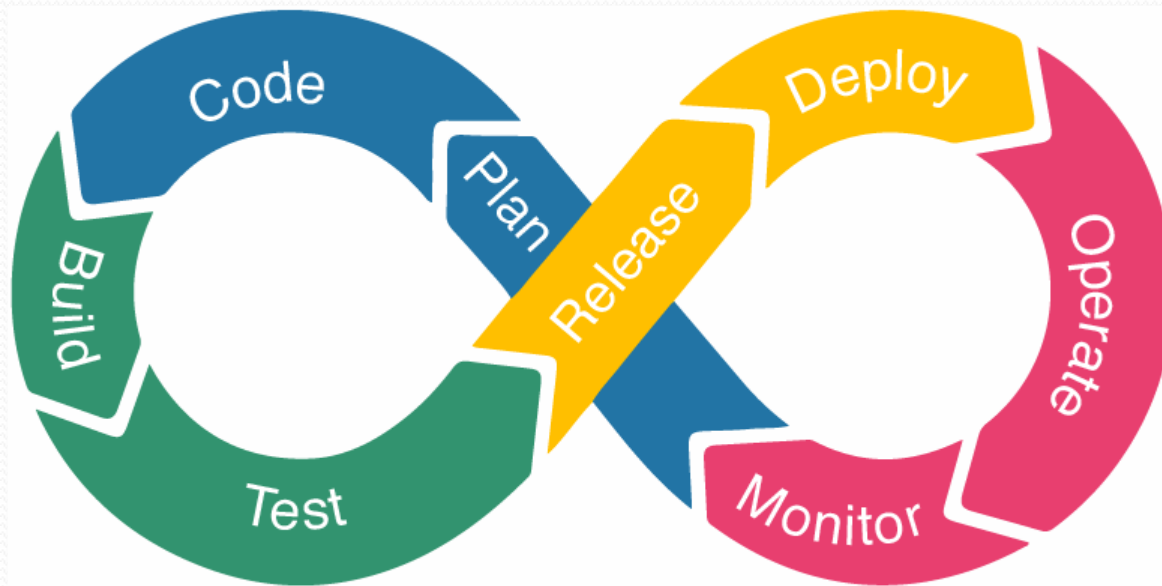


Jenkins – as an automation server for CI/CD



Which among the below
practices could be
implemented with Jenkins?

DevOps Lifecycle



Collaborate

Application Lifecycle Mgmt.



Communication & ChatOps



Knowledge Sharing



Build

SCM/VCS



CI



Build



Database Management



Test

Testing



Testing



Deploy

Deployment



Config Mgmt. / Provisioning



Artefact Management



Run

Cloud / IaaS / PaaS



Orchestration & Scheduling



BI / Monitoring / Logging



What are the alternative for Jenkins?



Kohsuke kawaguchi





 HOME

 FIND OWNERS

 VETERINARIANS

 ERROR

Welcome



[Back to Dashboard](#)[Status](#)[Changes](#)[Build Now](#)[Delete Pipeline](#)[Configure](#)[Full Stage View](#)[HTML Report](#)[Rename](#)[Pipeline Syntax](#)[Build History](#)[trend](#)

#1 1 May 2020, 10:54

[Atom feed for all](#) [Atom feed for failures](#)

Pipeline DeclarativePetClinic

[add description](#)

Disable Project

[Last Successful Artifacts](#)[spring-petclinic-2.1.0.BUILD-SNAPSHOT.jar](#) 42.52 MB [view](#)[Recent Changes](#)

Stage View

Average stage times:
(Average full run time: ~2min
0s)

#1

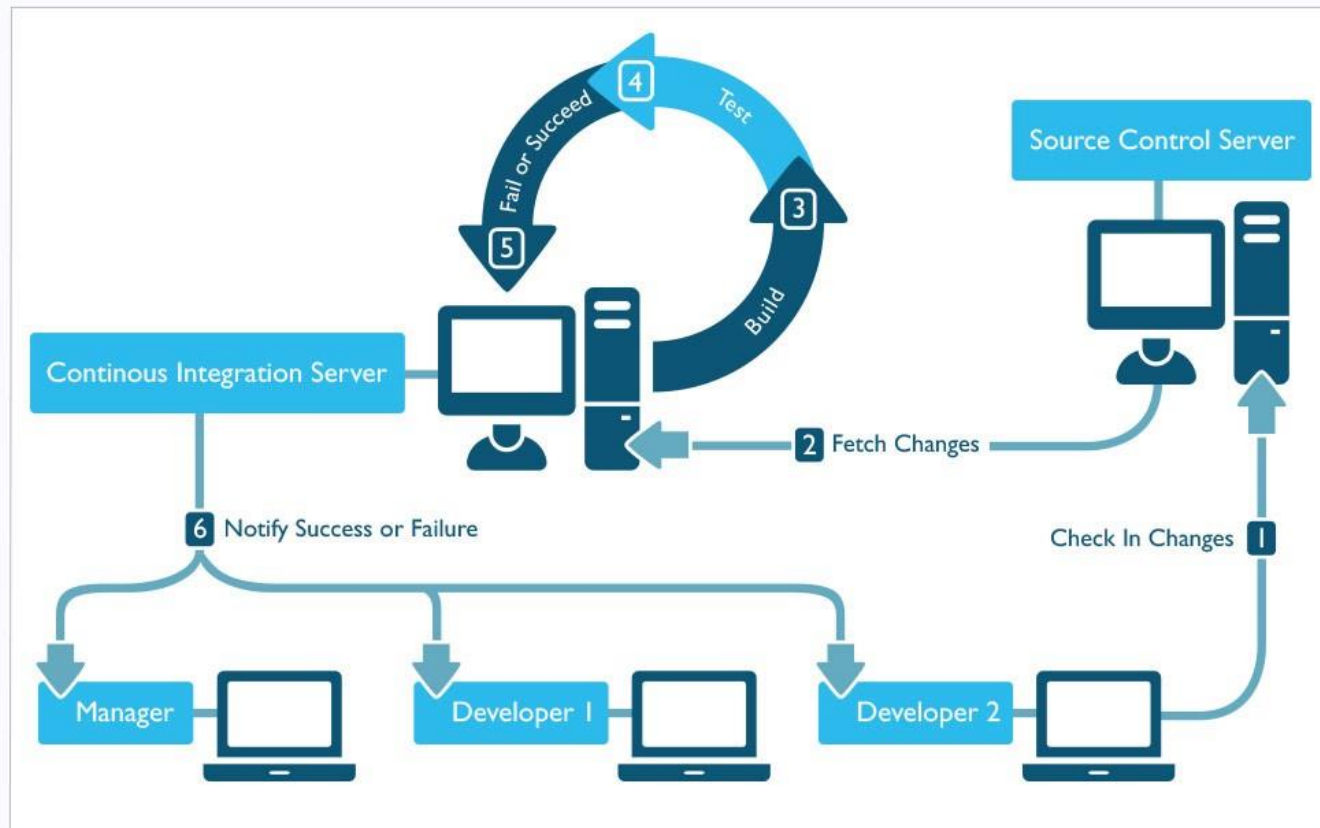
May 01 16:24

No Changes

Declarative: Checkout SCM	Declarative: Tool Install	Checkout	Build	Test	Package	Reports
4s	129ms	989ms	14s	32s	32s	31s
4s	129ms	989ms	14s	32s	32s	31s

[Latest Test Result \(no failures\)](#)

Continuous Integration



Which feature in Jenkins could be used to trigger a job when a Git push happens

Mention a build tool that could be integrated with Jenkins?

Mention a plugin used to view pipeline stages?

What is the difference between declarative and scripted pipeline?

What's a Jenkinsfile?



Q & A



Thank You