Speed Up Drupal 8 deliveries with CICD Pipeline

GM

Agenda

- DevOps in Drupal
- Benefits of our Adaptation

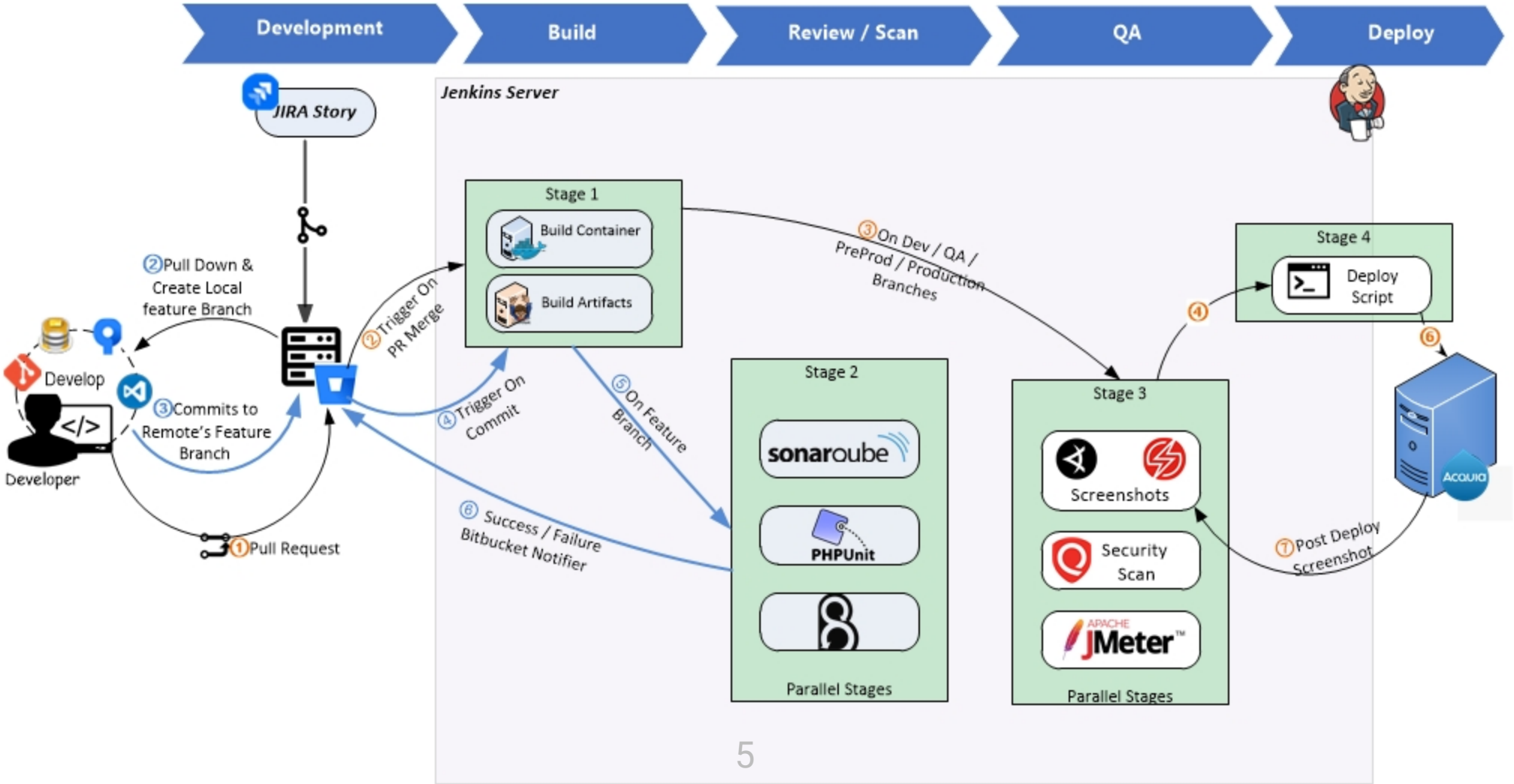
Who am I

- Platform Architect / Technical Manager
- Works in Web / Mobile Application Development, with primary focus being drupal
- Webmaster in Drupal.org
- I Mentor New Contributors

gobinathm everywhere (including D.O)

The LifeCycle

Is this an epic DevOps Life Cycle Yes atleast in my world atleast 😉


Development
Build
Review / Scan
QA
Deploy
JIRA Story
Jenkins Server
Stage 1
Build Container
Build Artifacts
Stage 2
sonarqube
PHPUnit
Parallel Stages
Stage 3
Screenshots
Security Scan
JMeter
Parallel Stages
Stage 4
Deploy Script
ACQUIA
Develop
Developer
1 Pull Request
2 Pull Down & Create Local feature Branch
3 Commits to Remote's Feature Branch
4 Trigger On Commit
5 On Feature Branch
6 Success / Failure Bitbucket Notifier
7 Trigger On PR Merge
8 On Dev / QA / PreProd / Production Branches
9
10 Post Deploy Screenshot

Composer Workflow

1. You Don't be a Dependancy Manager leave it to Composer.
2. Special Script to build / patch
3. Alternatively once can use phing/phing
4. Better to build artificats this way
5. Commit composer.lock to your repo

D8 Starter Kit

Review Stage

1. Local: It Start with Local, Yes enforce before commit & Save time.
    - One easy way to achieve is grumphp
    - Alternative is Custom GIT Hooks
2. Server: Sonarqube, quality scan
    - Use sonarlint IDE Extension & save build times.
3. PHPUnit
4. Behat
5. lighthouse, automated webpage audit tool

PreDeploy

1. Save Time by page screenshot by leveraging tools like applitools & saucelabs.
2. Performance Testing with JMeter (Or) Blazemeter automation

PostDeploy

1. screenshot by leveraging tools like applitools & saucelabs for comparision.

Q & A