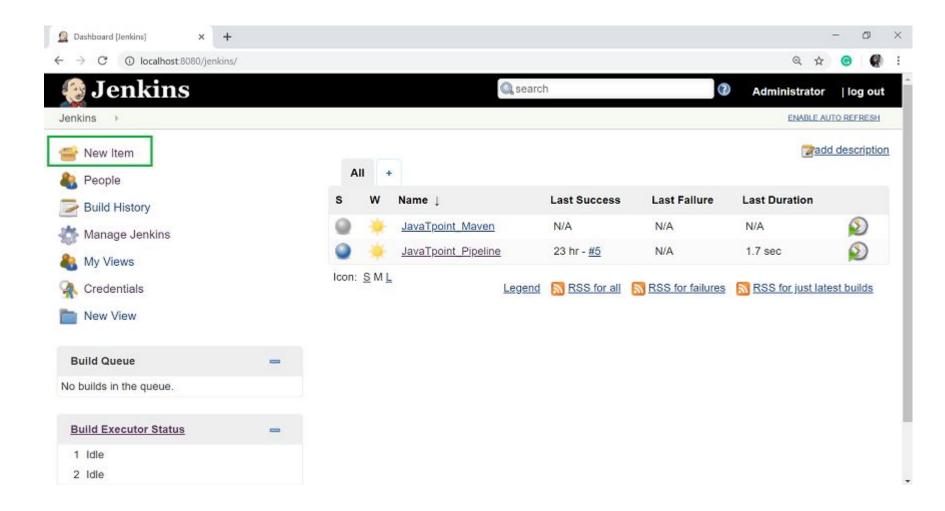
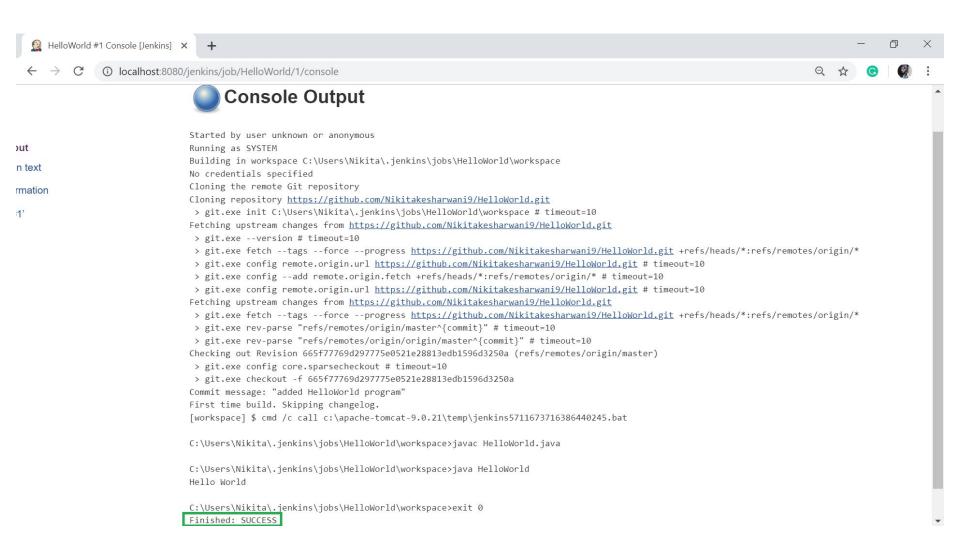
# Don't Repeat Yourself

Abstraindo funcionalidades com Jenkins Shared Libraries

## O que é Jenkins?

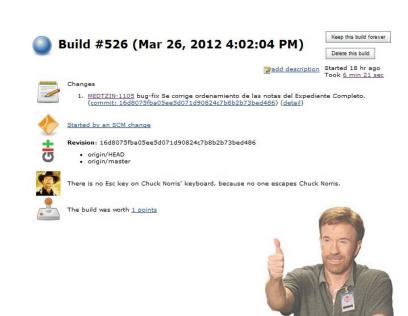


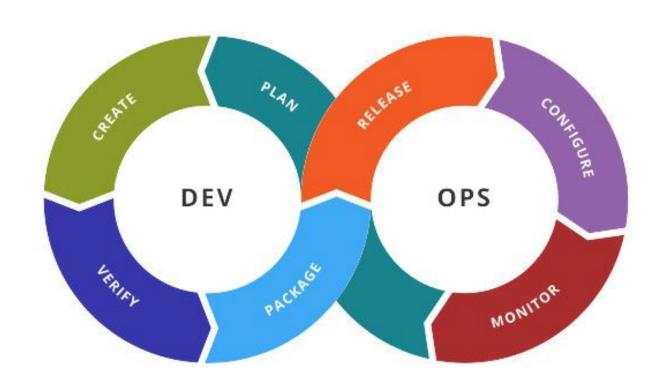
## O que é Jenkins?



## Automação

- Continuous Integration
- Testes
- Análise de Código
- Continuous Delivery





Over 1000 Jenkins Plugins



Integration with over 100 DevOps Tools



Orchestration of the DevOps Toolchain



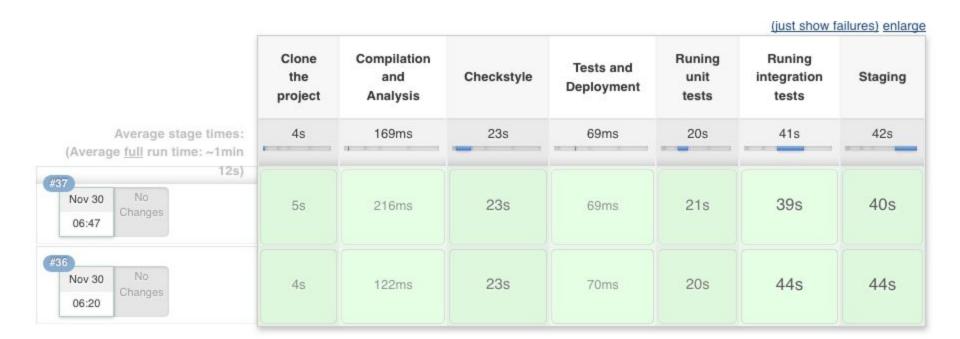
End-to-End CD Pipeline Management

Build & Config Code & Commit Scan & Test Release Deploy gerrit amazon Pivotal git maven uDeploy @ gradle docker GitHub docker Azure sonar BlazeMeter SERENA ca CHEF Boss Stash technologies **vm**ware SOASTA & Gatting Collabilet puppet SERENA SUBVERSION ANSIBLE RedLine 13.com Borland Selenium WebDriver PERFORCE StarTeam Microsoft. VAGRANT MidVision" .net Visual Studio artifactoru nercurial **©**FitNesse amazon webservices **Mexus** RELEASE WebSphere. JUnit cucumber SALTSTACK eclipse Rationa Visual Studio

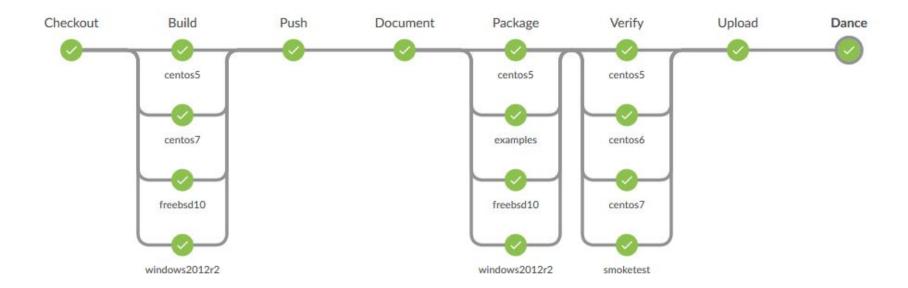
## Início do Jenkins

Prevent Cross Site Request Forge	ery exploits	
Help make Jenkins better by send	ding anonymous usage statistics and crash reports to the Jenkins project.	
Global properties	A THE WORLD STORE STATE OF THE CONTROL OF THE STATE OF TH	
Environment variables		
SCM Sync configuration		
SCM	○ None	(
	○ Subversion	
	● Git	
	Repository URL git@github.com:fcamblor/scm-sync-config-sandbox.git	0
Never bother me with commit messa	ages 💮	
Display SCM Sync Status		
Commit message pattern	[message]	
Manual synchronization includes	Add new include	9
Reload config from SCM	Reload	
JDK		
JDK installations	Add JDK	
	List of JDK installations on this system	
Ant		
Ant installations	Add Ant	
	List of Ant installations on this system	
Maven		
Maven installations	Maven	

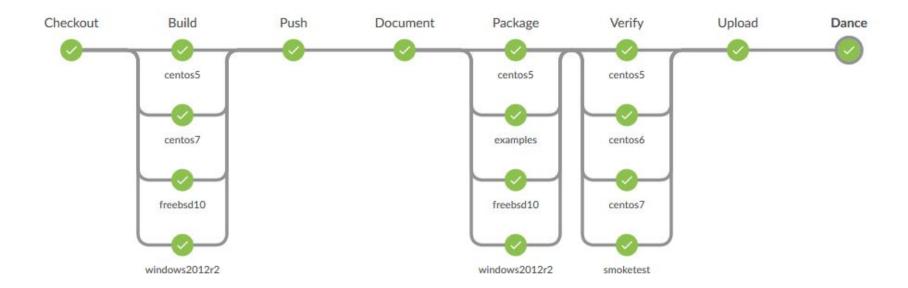
### Jenkins 2.0



### Jenkins 2.0



### Jenkins 2.0



## Pipeline as Code

```
1 node{
     git branch: "master", url: "https://github.com/robsonbittencourt/jenkins-pipeline-example"
     stage('Unit Tests') {
       withEnv(["JAVA HOME=${ tool "java-8" }", "PATH+MAVEN=${ tool "maven" }/bin:${env.JAVA HOME}/bin"]) {
           sh "mvn test"
10
     stage ('Sonarqube') {
11
       withEnv(["JAVA HOME=${ tool "java-8" }", "PATH+MAVEN=${ tool "maven" }/bin:${env.JAVA HOME}/bin"]) {
12
           sh "mvn sonar:sonar -Dsonar.host.url=http://sonar:9000"
13
14
15
16
     stage ('Build Jar') {
17
       withEnv(["JAVA HOME=${ tool "java-8" }", "PATH+MAVEN=${ tool "maven" }/bin:${env.JAVA HOME}/bin"]) {
18
           sh "mvn clean package -Dmaven.test.skip=true"
19
20
```



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# Don't Repeat Yourself



### **Shared Libraries**

- Bibliotecas que disponibilizam funções para serem usadas em Pipelines
- Escritas em Groovy
- Podem ser compartilhadas entre diferentes projetos

### Demo



https://github.com/umovmecc/umovme-shared-libraries

# Obrigado



@rluizv





robsonbittencourt

# Don't Repeat Yourself

Abstraindo funcionalidades com Jenkins Shared Libraries