#### JENKINS BASIC

Presentation By Thuy Nguyen 20/08/2016

## AGENDA

- Overview
- Installation
- Tomcat
- Maven Setup

### OVERVIEW

Developers check their source code.



Jenkins will pick up the changed source code and trigger a build and run any tests if required.



The build output will be available in the Jenkins dashboards. Automatic notifications can also be sent back to the developer.

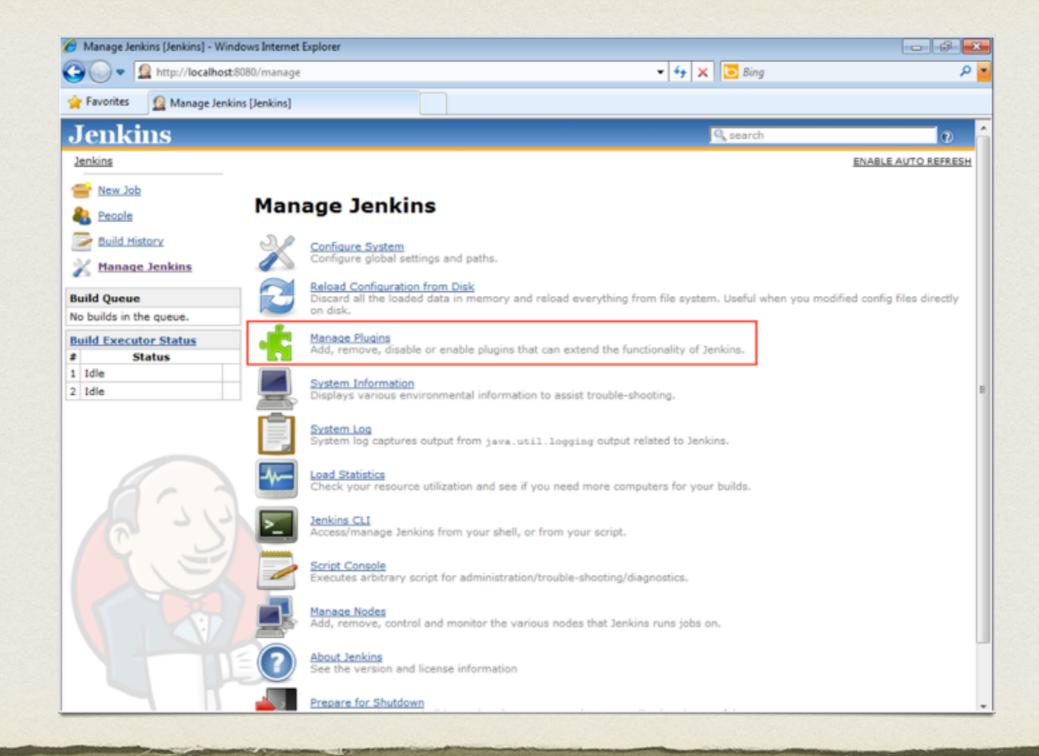
JDK	JDK 1.5 or above	
Memory	2 GB RAM (recommended)	
Disk Space	No minimum requirement. Note that since all builds will be stored on the Jenkins machines, it has to be ensured that sufficient disk space is available for build storage.	
Operating System Version	Jenkins can be installed on Windows, Ubuntu/Debian, Red Hat/Fedora/CentOS, Mac OS X, openSUSE, FReeBSD, OpenBSD, Gentoo.	
Java Container	The WAR file can be run in any container that supports Servlet 2.4/JSP 2.0 or later.(An example is Tomcat 5).	

#### INSTALLATION

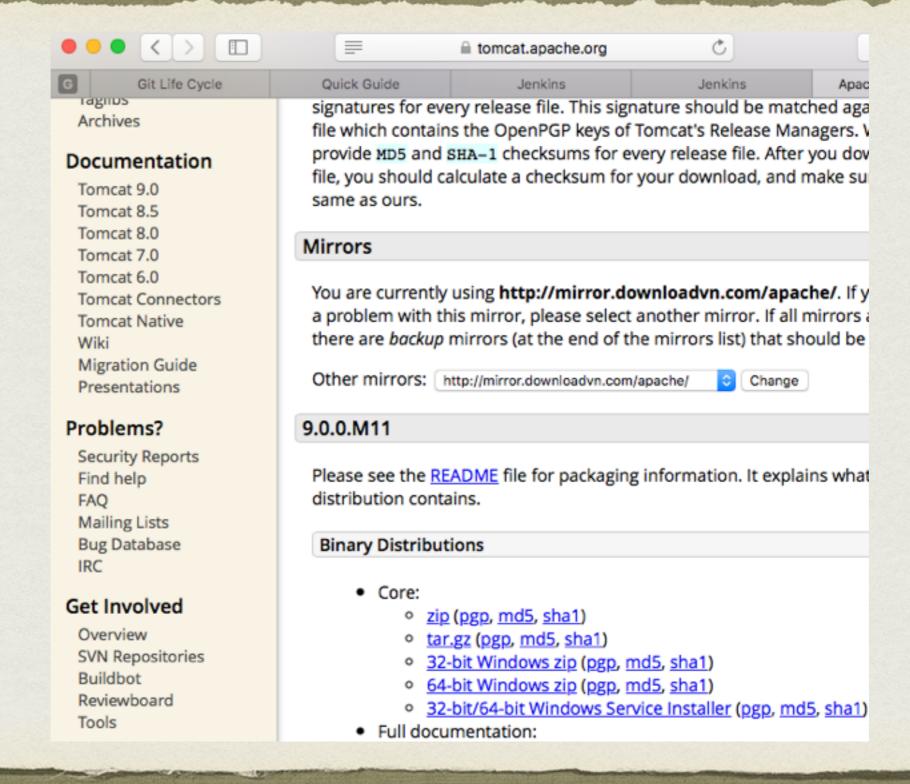
https://jenkins.io/index.html



#### MANAGE PLUGINS



#### TOMCAT - DOWNLOAD



# PLUGIN



Updates Available Installed Advanced

Install	Name	Version
	Artifactory Plugin  This physic allows dealer in Marco 3, Marco 3, her and Cordin artifacts and heild info to the Artifactory artifacts appears	2.2.4
	This plugin allows deploying Maven 2, Maven 3, Ivy and Gradle artifacts and build info to the Artifactory artifacts manager.  Build Publisher Plugin	1.10
	This plugin allows records from one Jenkins to be published on another Jenkins.	1.19
	Confluence Publisher Plugin  This plugin allows you to publish build artifacts as attachments to an Atlassian Confluence wiki page.	1.8
	Deploy Plugin	1.10
_	This plugin takes a war/ear file and deploys that to a running remote application server at the end of a build	1.10
	<u>Deploy WebSphere Plugin</u> This plugin is an extension of the <u>Deploy Plugin</u> . It takes a war/ear file and deploys that to a running remote WebSphere Application Server at the end of a build.	1.0
	Heroku Plugin	
	(This version is experimental and may change in backward incompatible way	0.7.1-BETA
	Build tasks for interacting with <u>Heroku</u> including deployment, scaling dynos, running processes, and more.	
	HockeyApp Plugin  Lets you publish iOS, Mac and Android apps to HockeyApp from a Jenkins build.	1.1.0
	MongoDB Document Upload Plugin	1.0
	Adds a Post-Build step to upload JSON documents into MongoDb.  Publish Over CIFS Plugin	
	Cand build adifacte to a windows chara ICEC/SMD/cambal	0.3

Install without restart

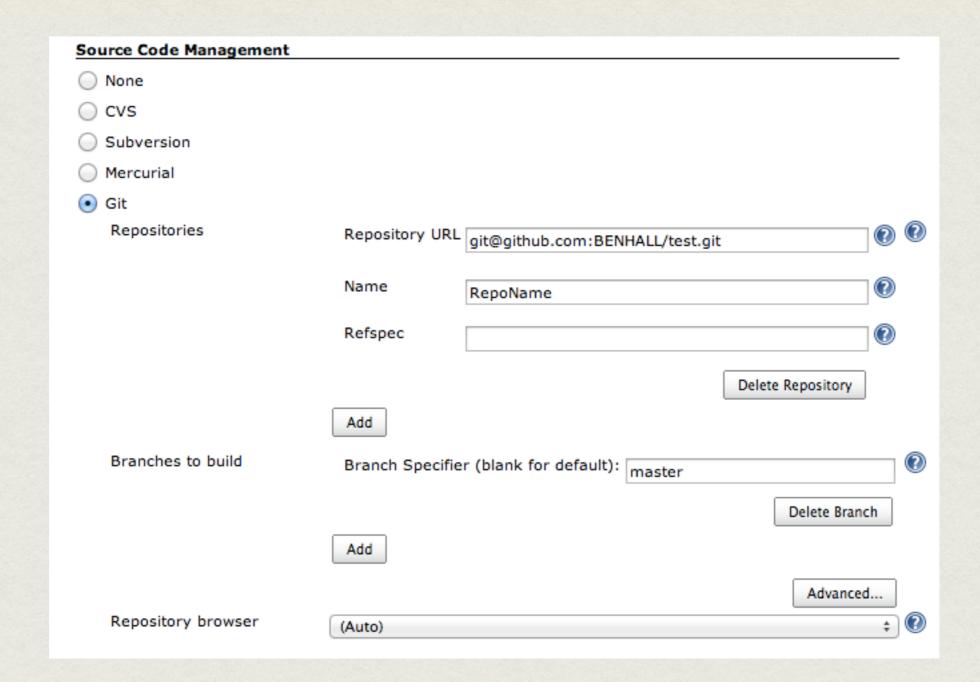
Download now and install after restart

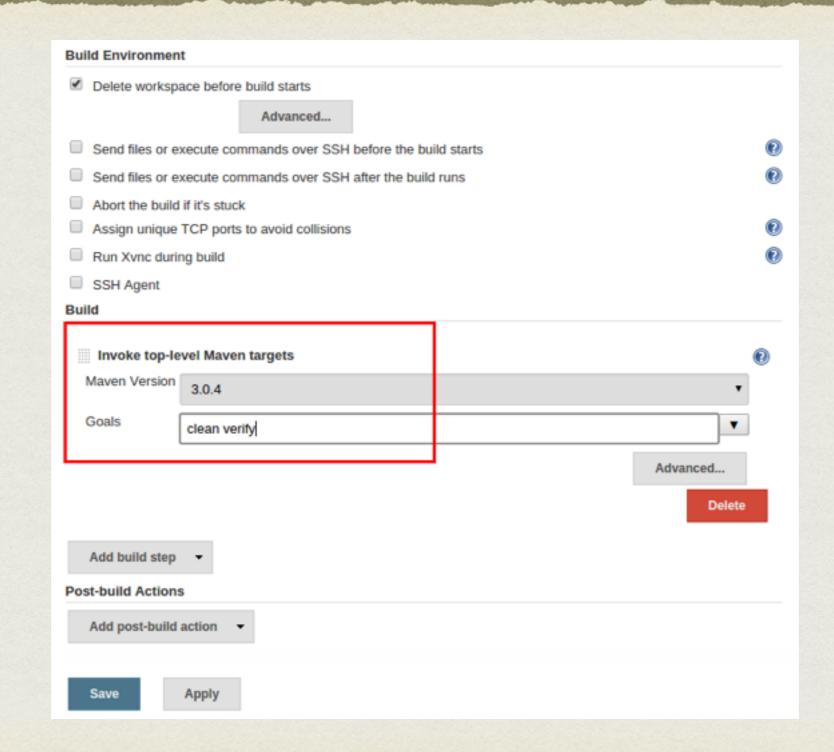
#### MAVEN



JDK				
JDK installations	name	Java 1.6.0		
	JAVA_HOME	/usr/java/jdk1.6.0_17		
	Install automatically			
			Delete JDK	
	name	Java 1.5.0		
	JAVA_HOME	/usr/java/jdk1.5.0		
	Install automatically			
			Delete JDK	
	Add JDK			
	List of JDK installa	tions on this system		

Maven		
Maven installations	name Maven 2.2.1	
	MAVEN_HOME /usr/local/maven	
	☐ Install automatically	•
		Delete Maven
	name Maven 3.0	
	✓ Install automatically	•
	Install from Apache	
	Version 3.0-alpha-6	
		Delete Installer
	Add Installer ▼	
		Delete Maven
	Add Maven	
	List of Maven installations on this system	





#### REFERENCE

 https://www.tutorialspoint.com/jenkins/ jenkins\_quick\_guide.htm

#### THANK YOU!

