

1 - Jenkins - Configuration

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Table of contents

- [Add Credentials in Jenkins](#)
 - [Install Jenkins plugins](#)
 - [Configure Jenkins System](#)
 - [JDK Configuration](#)
 - [Gradle Configuration](#)
 - [Artifactory Configuration](#)
 - [Jenkins Location](#)
 - [Configure SMTP Server](#)
 - [Maven settings.xml Configuration](#)
 - [TODO](#)
-



Add Credentials in Jenkins

- [Go to credentials](#)



[New Item](#)



[People](#)



[Build History](#)



[Manage Jenkins](#)



[Credentials](#)

Build Queue

No builds in the queue.

Build Executor Status

#	Idle	Status
1	Idle	
2	Idle	

- [Click on global credentials](#)



[Up](#)




[Credentials](#)



[Add domain](#)




Credentials

Domain	Description
 Global credentials	All credentials that are not bound to a specific domain.

Icon: [S](#) [M](#) [L](#)

- Click on **Add Credentials**
- Set the following settings

Kind	SSH Username with private key
Scope	Global
Username	jenkins
Description	BitBucket credentials
Private Key	Check From the Jenkins master ~/.ssh



[Back to credential domains](#)
[Add Credentials](#)

Kind: SSH Username with private key

Scope: Global

Username: jenkins

Description: BitBucket credentials

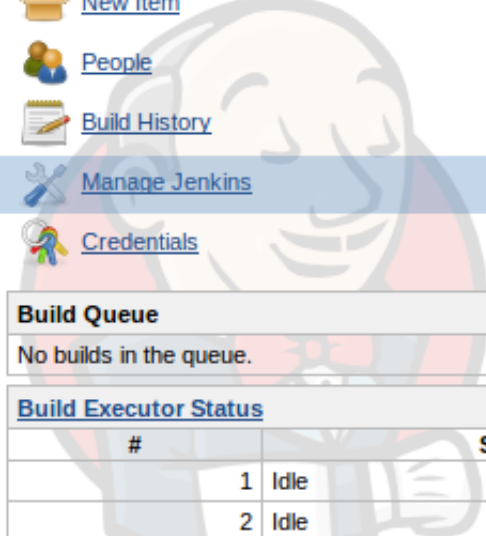
Private Key:
 ☐ Enter directly
☐ From a file on Jenkins master
☒ From the Jenkins master ~/.ssh

OK Advanced... Advanced...



Install Jenkins plugins

- From the Dashboard go to **Manage Jenkins**



[New Item](#)
[People](#)
[Build History](#)
[Manage Jenkins](#)
[Credentials](#)

Build Queue

No builds in the queue.

Build Executor Status

#	Status
1	Idle
2	Idle

- Go to **Manage Plugins** section

Manage Jenkins

Unsecured Jenkins allows anyone on the network to launch processes on your behalf. Consider at least enabling authentication to discourage misuse.

[Setup Security](#)[Dismiss](#)

[Configure System](#)

Configure global settings and paths.



[Configure Global Security](#)

Secure Jenkins; define who is allowed to access/use the system.



[Reload Configuration from Disk](#)

Discard all the loaded data in memory and reload everything from file system. Useful when you modified config files directly on disk.



[Manage Plugins](#)

Add, remove, disable or enable plugins that can extend the functionality of Jenkins. **(updates available)**



[System Information](#)

Displays various environmental information to assist trouble-shooting.

- Start by updating installed plugins and use **Download now and install after restart** button

Updates Available Installed Advanced

Install	Name ↓	Version	Installed
<input checked="" type="checkbox"/>	Credentials Plugin This plugin allows you to store credentials in Jenkins.	1.10	1.9.4
<input checked="" type="checkbox"/>	LDAP Plugin Security realm based on LDAP authentication.	1.8	1.6
<input checked="" type="checkbox"/>	Mailer This plugin allows you to configure email notifications. This is a break-out of the original core based email component.	1.8	1.6
<input checked="" type="checkbox"/>	SSH Credentials Plugin This plugin allows you to store SSH credentials in Jenkins.	1.6.1	1.6
<input checked="" type="checkbox"/>	SSH Slaves plugin This plugin allows you to manage slaves running on *nix machines over SSH.	1.6	1.5
<input checked="" type="checkbox"/>	Subversion Plugin This plugin adds the Subversion support (via SVNKit) to Jenkins.	2.2	1.54
<input checked="" type="checkbox"/>	Translation Assistance Plugin This plugin adds an additional dialog box in every page, which enables people to contribute localizations for the messages they are seeing in the current page.	1.11	1.10

[Install without restart](#) [Download now and install after restart](#)

- Then install the following list of plugins using **Download now and install after restart** button

Plugin name	Description	Plugin documentation
Gradle Plugin	This plugin allows Jenkins to invoke Gradle build scripts directly	https://wiki.jenkins-ci.org/display/JENKINS/Gradle+Plugin
EnvInject Plugin	This plugin makes it possible to set an environment for the builds.	https://wiki.jenkins-ci.org/display/JENKINS/EnvInject+Plugin
Artifactory	This plugin allows deploying maven artifacts	https://wiki.jenkins-ci.org/display/JENKINS/Artifactory+Plugin

Plugin	and build info to Artifactory.	ci.org/display/JENKINS/Artifactory+Plugin
GIT plugin	This plugin integrates GIT with Jenkins.	https://wiki.jenkins-ci.org/display/JENKINS/Git+Plugin
GIT client plugin	Shared library plugin for other Git related Jenkins plugins.	https://wiki.jenkins-ci.org/display/JENKINS/Git+Client+Plugin
BitBucket Plugin	Integrates with BitBucket	https://wiki.jenkins-ci.org/display/JENKINS/BitBucket+Plugin
Email-Ext Plugin	This plugin is a replacement for Jenkins's email publisher	https://wiki.jenkins-ci.org/display/JENKINS/Email-ext+plugin
Config File Provider Plugin	Ability to provide configuration files (e.g. settings.xml for maven, XML, groovy, custom files,...) loaded through the UI which will be copied to the job workspace.	https://wiki.jenkins-ci.org/display/JENKINS/Config+File+Provider+Plugin

- Go to the **Available** tab and use the search bar to find those plugins

Filter:

Updates	Available	Installed	Advanced
Install	Name		Version
Artifact Uploaders			
<input type="checkbox"/>	Appaloosa Plugin Publish your mobile applications (Android, iOS, ...) to the appaloosa-store.com platform.	1.4.0	
<input type="checkbox"/>	ArtifactDeployer Plugin This plugin makes it possible to copy artifacts to remote locations.	0.28	
<input type="checkbox"/>	Artifactory Plugin This plugin allows deploying Maven 2, Maven 3, Ivy and Gradle artifacts and build info to the Artifactory artifacts manager.	2.2.1	
<input type="checkbox"/>	AWSEB Deployment Plugin This plugin allows you to deploy into AWS Elastic Beanstalk by Packaging, Creating a new Application Version, and Updating an Environment	0.0.3	
	Backup Plugin		


- When everything has been installed, apply your modifications in **Update Center**

Jenkins				search <input type="text"/>	?
Jenkins > Plugin Manager					
Back to Dashboard	Filter: <input type="text"/>				
Manage Jenkins					
Update Center					
Updates	Available	Installed	Advanced		
Install	Name		Version	Installed	

- And apply you modification by checking
 - Restart Jenkins when installation is complete and no jobs are running

 [Back to Dashboard](#)

 [Manage Jenkins](#)

 [Manage Plugins](#)

Installing Plugins/Upgrades

Preparation

- Checking internet connectivity
- Checking update center connectivity
- Success

Gradle Plugin



Downloaded Successfully. Will be activated during the next boot

Artifactory Plugin





Downloaded Successfully. Will be activated during the next boot

EnvInject Plugin



Downloaded Successfully. Will be activated during the next boot

 [Go back to the top page](#)
(you can start using the installed plugins right away)

 ☐ Restart Jenkins when installation is complete and no jobs are running

- Go for a coffee, you are done 😊

Please wait while Jenkins is restarting..


Your browser will reload automatically when Jenkins is ready.



Configure Jenkins System

- From the Dashboard go to **Manage Jenkins**
- You can dismiss the warning displayed at the top of the list because your server is running in a "trusted" environment (*AWS using Security Groups*)

Manage Jenkins

 **Unsecured Jenkins allows anyone on the network to launch processes on your behalf. Consider at least enabling authentication to discourage misuse.**

[Setup Security](#) [Dismiss](#)

- Now, click on **Configure System**

Manage Jenkins



[Configure System](#)
Configure global settings and paths.



[Configure Global Security](#)
Secure Jenkins; define who is allowed to access/use the system.



[Reload Configuration from Disk](#)
Discard all the loaded data in memory and reload everything from file system. Useful when you modified config files directly on disk.



[Manage Plugins](#)
Add, remove, disable or enable plugins that can extend the functionality of Jenkins.



JDK Configuration

- Go to the JDK section and fill the following fields

Name	JDK 1.7
JAVA_HOME	/usr/lib/jvm/jdk1.7.0_51

To check the Java version installed by the Chef script you can run

```
cd / && sudo find -name java | grep 'jdk'
```

JDK

JDK installations



JDK

Name

JDK 1.7

JAVA_HOME

/usr/lib/jvm/jdk1.7.0_51



Install automatically



Delete JDK

Add JDK

List of JDK installations on this system



Gradle Configuration

- Jenkins is able to directly download Gradle from <http://www.gradle.org/>

Name	Gradle <u>X</u>
Version	<i>Most recent version of Gradle or version used in production</i>

Gradle

Gradle installations



Gradle

name

Gradle 1.11



Install automatically



Install from Gradle.org

Version

Gradle 1.11



Add Installer ▼

Add Gradle

List of Gradle installations on this system



Artifactory Configuration

- Set the following parameters to configure the Artifactory server

URL	https://gumgum.artifactoryonline.com/gumgum
Username	deployer
Password	k0nacreme

Artifactory

Artifactory servers

Artifactory

URL

<https://gumgum.artifactoryonline.com/gumgum>

Default Deployer Credentials

User Name

deployer

Password

☐

Use Different Resolver Credentials

Found Artifactory 3.1.1.1

Add

List of Artifactory servers that projects will want to deploy artifacts and build info to



Jenkins Location

- Edit the Jenkins URL and change it by **yourHostName**
- Edit also the System Admin e-mail address

Jenkins Location

Jenkins URL

<http://ec2-204-236-192-31.compute-1.amazonaws.com>



System Admin e-mail address

taylor@gumgum.com



Configure SMTP Server

- At the bottom of the page edit and fill in the Email notification section

SMTP Server	smtp.gmail.com
Use SMTP Authentication	<input checked="" type="checkbox"/> Checked
User Name	noreply@gumgum.com
Password	k0nacreme
Use SSL	<input checked="" type="checkbox"/> Checked
SMTP Port	465
Reply-To Address	data-engineering@gumgum.com

Charset

UTF-8 (default)

- Test your configuration by sending a test email

E-mail Notification

SMTP server	<input type="text" value="smtp.gmail.com"/>	
Default user e-mail suffix	<input type="text"/>	
<input checked="" type="checkbox"/> Use SMTP Authentication		
User Name	<input type="text" value="noreply@gumgum.com"/>	
Password	<input type="password" value="*****"/>	
Use SSL	<input checked="" type="checkbox"/>	
SMTP Port	<input type="text" value="465"/>	
Reply-To Address	<input type="text" value="data-engineering@gumgum.com"/>	
Charset	<input type="text" value="UTF-8"/>	
<input checked="" type="checkbox"/> Test configuration by sending test e-mail		
Test e-mail recipient	<input type="text" value="florian@gumgum.com"/>	
Email was successfully sent		<input type="button" value="Test configuration"/>



Maven settings.xml Configuration

TODO

Use the plugin in the management section to provide the Path to settings.xml



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No labels