

Travaux Pratiques – Installation de Jenkins
Public cible : Administrateurs DevOps
Durée estimée : 30 minutes

TP 1 : Installation de Jenkins

Objectif

Installer et configurer Jenkins.

Étapes:

1. Lancer Visual Studio Code et ouvrir un terminal git bash
2. Récupérer le dépôt git contenant les scripts d'installation de Jenkins
\$ git clone <https://github.com/jptraining/jenkins.git>
3. Aller dans le répertoire jenkins
\$ cd jenkins
4. Exécuter la commande “vagrant up” pour créer les machines virtuelles pour les TPs
\$ vagrant up
5. A la fin de la création des VMs, tester la connexion à la VM Jenkins
\$ vagrant ssh jenkins

```
jpene@DESKTOP-1HR33PB MINGW64 ~/jenkins (master)
$ vagrant ssh jenkins
This box was generated by EuroLinux

Any suggestions are welcome at https://github.com/EuroLinux/cloud-images-rfc/

Happy using.
To delete this message use:
echo '' > /etc/motd
Last login: Sun Oct 19 13:49:33 2025 from 10.0.2.2
[vagrant@jenkins ~]$ exit
```

6. Sortir de la VM Jenkins
[vagrant@jenkins ~]\$ exit
7. Copier les fichiers d'installation de Jenkins situés dans le sous répertoire install_files
\$ scp -r install_files/ vagrant@192.168.100.100:/home/vagrant

```
jpene@DESKTOP-1HR33PB MINGW64 ~/jenkins (master)
$ scp -r install_files/ vagrant@192.168.100.100:/home/vagrant
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.100.100' (ED25519) to the list of known hosts.
vagrant@192.168.100.100's password:
install_docker_centos.sh
install_docker_ubuntu.sh
jenkins-docker-compose.yml
ldap-docker-compose.yml
```

8. Se connecter sur la VM jenkins puis lancer l'installation de docker et docker compose

```
$ vagrant ssh jenkins
```

```
[vagrant@jenkins ~]$ cd install_files/
```

```
[vagrant@jenkins install_files]$ sudo ./install_docker_centos.sh ~/jenkins_home $USER
```

9. Se déconnecter de la VM Jenkins puis se reconnecter

```
[vagrant@jenkins ~]$ exit
```

```
$ vagrant ssh jenkins
```

10. Installer Jenkins

```
[vagrant@jenkins ~]$ cd install_files/
```

```
[vagrant@jenkins install_files]$ docker compose -f jenkins-docker-compose.yml up -d
```

```
[vagrant@centos install_files]$ docker compose -f jenkins-docker-compose.yml up -d
[+] Running 11/13
  ⚡ jenkins [██████████] 290.6MB / 292.7MB Pulling                         132.9s
[+] Running 13/13
  ✓ jenkins Pulled                                                               177.1s
[+] Running 2/2
  ✓ Network install_files_default   Created                                     1.0s
  ✓ Container jenkins              Started                                    13.3s
```

11. Se connecter à Jenkins

<http://192.168.100.100:8080>

Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log ([not sure where to find it?](#)) and this file on the server:

```
/var/jenkins_home/secrets/initialAdminPassword
```

Please copy the password from either location and paste it below.

Administrator password

```
.....
```

Continue

12. Copier le mot de passe initial dans le champ “Administrator password”

Le mot de passe initial se trouve dans le répertoire
/\$JENKINS_HOME/secrets/initialAdminPassword

```
[vagrant@jenkins ~]$ cat ~/jenkins_home/secrets/initialAdminPassword
[vagrant@jenkins ~]$ cat ~/jenkins_home/secrets/initialAdminPassword
a1d4c67109524e94a384331ede386fee
```

13. Sélectionner “Install suggested plugins”

The screenshot shows the Jenkins 'Getting Started' page. At the top, there's a 'Customize Jenkins' section with two options: 'Install suggested plugins' (selected) and 'Select plugins to install'. Below this is a table of available Jenkins plugins, each with a checked or unchecked checkbox indicating its status.

Plugin	Status
Folders	✓
Timestamper	✓
Pipeline	⌚
Git	⌚
Email Extension	⌚
OWASP Markup Formatter	✓
Workspace Cleanup	✓
GitHub Branch Source	⌚
SSH Build Agents	⌚
Mailer	⌚
Build Timeout	✓
Ant	✓
Pipeline: GitHub Groovy Libraries	⌚
Matrix Authorization Strategy	⌚
Credentials Binding	✓
Gradle	⌚
Pipeline Graph View	⌚
LDAP	⌚
Dark Theme	⌚
Build Timeout	** bouncycastle API ** Credentials ** Plain Credentials ** Variant ** SSH Credentials
Credentials Binding	** SCM API ** Pipeline: API Timestamper ** Caffeine API ** Script Security JavaBeans Activation Framework JAXP API ** JAXB ** SnakeYAML API ** Jakarta Activation API ** Jakarta XML Binding API ** JSON API ** Jakarta 2 API ** Pipeline: Supporting APIs ** Plugin Utilities API ** Font Awesome API ** Bootstrap 5 API ** JQuery3 API ** ECharts API ** Prism API ** Display URL API ** Checks API ** JUnit ** Matrix Project ** Resource Disposer Workspace Cleanup Ant ** OkHttp ** - required dependency

14. Créer le premier administrateur Jenkins (login admin, mot de passe admin)

Getting Started

Create First Admin User

Username

Password

Confirm password

Full name

E-mail address

Jenkins 2.516.3 Skip and continue as admin **Save and Continue**

 Jenkins

+ New Item  Build History

Build Queue  No builds in the queue.

Build Executor Status 0/2 

Welcome to Jenkins!

This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.

Start building your software project

 +

Set up a distributed build

 

 

 