

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

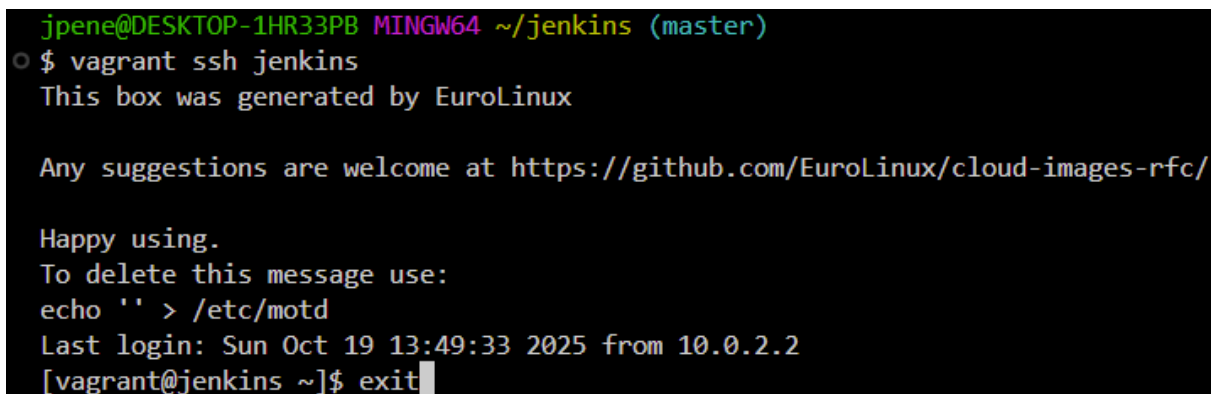
\$ cd jenkins

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



```
jpepe@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>

Getting Started

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”

Getting Started

Customize Jenkins

Plugins extend Jenkins with additional features to support many different needs.

Install suggested plugins

Install plugins the Jenkins community finds most useful.

Select plugins to install

Select and install plugins most suitable for your needs.

Jenkins 2.516.3

Getting Started

✓ Folders	✓ OWASP Markup Formatter	✓ Build Timeout	✓ Credentials Binding
✓ Timestamper	✓ Workspace Cleanup	✓ Ant	⚙ Gradle
⚙ Pipeline	⚙ GitHub Branch Source	⚙ Pipeline: GitHub Groovy Libraries	⚙ Pipeline Graph View
⚙ Git	⚙ SSH Build Agents	⚙ Matrix Authorization Strategy	⚙ LDAP
⚙ Email Extension	⚙ Mailer	⚙ Dark Theme	

Build Timeout

** bounceycastle API

** Credentials

** Plain Credentials

** Variant

** SSH Credentials

Credentials Binding

** SCM API

** Pipeline: API

Timestamper

** Caffeine API

** Script Security

** JavaBeans Activation Framework (JAF) API

** JAXB

** SnakeYAML API

** Jakarta Activation API

** Jakarta XML Binding API

** JSON Api

** Jackson 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

admin

Password

Confirm password

Full name

Jean DUPOND


E-mail address

jean.dupond@gmail.com


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

Create a job

Set up a distributed build

Set up an agent

Configure a cloud

Learn more about distributed builds