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

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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 dépot git contenant les scripts d'installation de Jenkins
$ git clone https://github.com/jptraining/jenkins.git
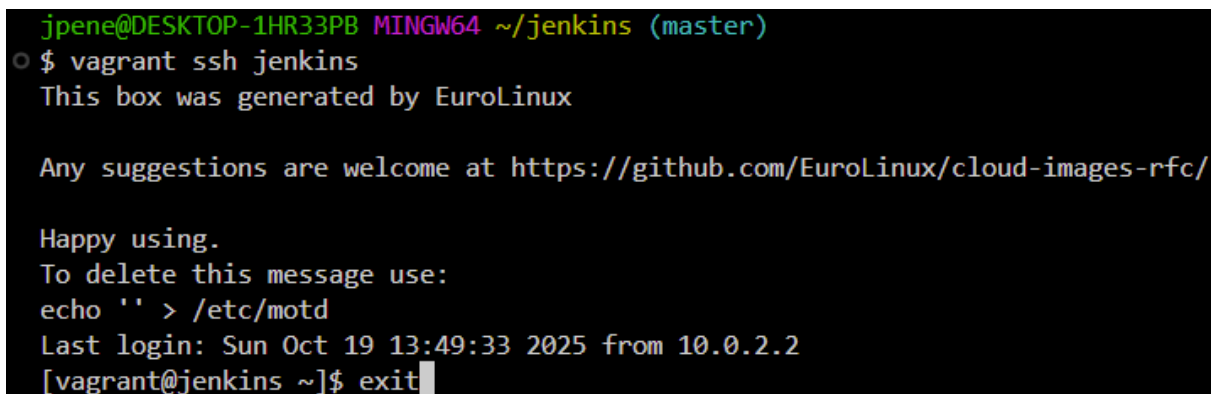
3. Aller dans le répertoire jenkins
$ cd jenkins

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

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"

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

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

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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 | ? |