

CI/CD project



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Spring **Boot**®



In this project, we implemented a Continuous Integration and Continuous Deployment (CI/CD) pipeline using Jenkins.

The main objective was to automate the following steps:

Clone a Spring Boot Java project from GitHub Build the project using Maven

Analyze code quality using SonarQube

Generate a Docker image of the application

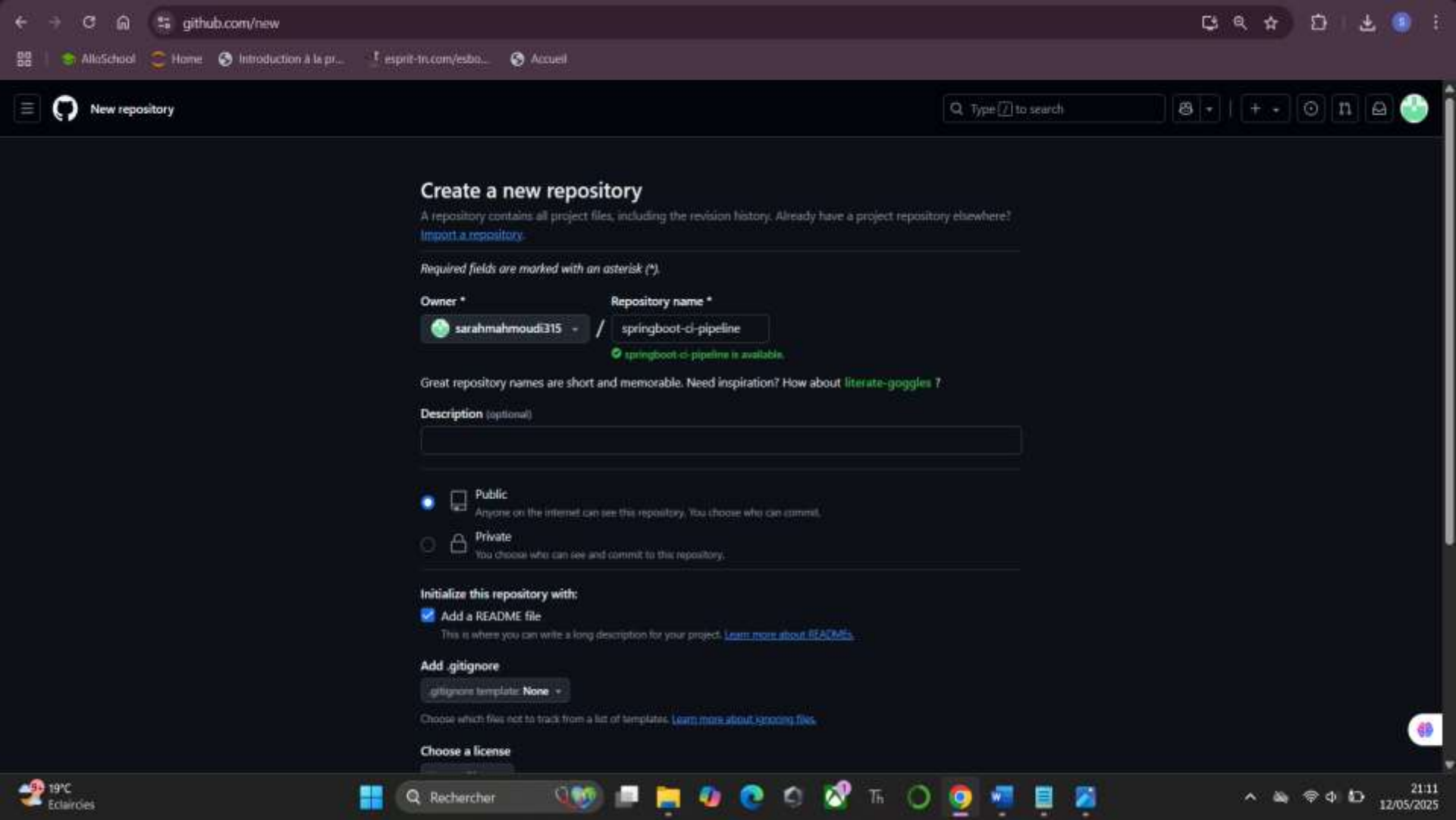
The entire environment was configured and run inside a Vagrant virtual machine with Jenkins, Docker, and SonarQube preinstalled.



sonarqube



Nom	Modifié le	Type	Taille
spring-boot-project.zip	12/05/2025 20:18	Dossier compressé	38 861 Ko
Config.zip	12/05/2025 20:18	Dossier compressé	5 090 Ko
Devops-DS2.docx	12/05/2025 20:18	Document Micros...	240 Ko
Exemple Fichier Jenkins.txt	12/05/2025 20:18	Document texte	2 Ko
Config	12/05/2025 20:19	Dossier de fichiers	
spring-boot-project	12/05/2025 21:06	Dossier de fichiers	



Microsoft Windows [version 10.0.22631.5189]
(c) Microsoft Corporation. Tous droits réservés.

C:\Users\micro>cd "C:\ds2 support\spring-boot-project\spring-boot-project"

C:\ds2 support\spring-boot-project\spring-boot-project>git init
Reinitialized existing Git repository in C:/ds2 support/spring-boot-project/spring-boot-project/.git/

C:\ds2 support\spring-boot-project\spring-boot-project>git add .

C:\ds2 support\spring-boot-project\spring-boot-project>git commit -m "Initial commit"
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean

C:\ds2 support\spring-boot-project\spring-boot-project>git branch -M main

C:\ds2 support\spring-boot-project\spring-boot-project>git remote add origin https://github.com/sarahmahmoudi315/springboot-ci-pipeline.git
error: remote origin already exists.

C:\ds2 support\spring-boot-project\spring-boot-project>git remote add origin https://github.com/sarahmahmoudi315/springboot-ci-pipeline.git
error: remote origin already exists.

C:\ds2 support\spring-boot-project\spring-boot-project>git remote -v
origin https://github.com/MedAmine22/spring-boot-app.git (fetch)
origin https://github.com/MedAmine22/spring-boot-app.git (push)

C:\ds2 support\spring-boot-project\spring-boot-project>git remote remove origin

C:\ds2 support\spring-boot-project\spring-boot-project>git remote add origin https://github.com/sarahmahmoudi315/springboot-ci-pipeline.git

C:\ds2 support\spring-boot-project\spring-boot-project>git push -u origin main
To https://github.com/sarahmahmoudi315/springboot-ci-pipeline.git
! [rejected] main -> main (fetch first)
error: failed to push some refs to 'https://github.com/sarahmahmoudi315/springboot-ci-pipeline.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

```
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 880 bytes | 176.00 KiB/s, done.
From https://github.com/sarahmahmoudi315/springboot-ci-pipeline
 * branch          main      -> FETCH_HEAD
 * [new branch]    main      -> origin/main
Auto-merging README.md
CONFLICT (add/add): Merge conflict in README.md
error: could not apply 9852004... fix app
hint: Resolve all conflicts manually, mark them as resolved with
hint: "git add/rm <conflicted_files>", then run "git rebase --continue".
hint: You can instead skip this commit: run "git rebase --skip".
hint: To abort and get back to the state before "git rebase", run "git rebase --abort".
hint: Disable this message with "git config set advice.mergeConflict false"
Could not apply 9852004... fix app
```

C:\ds2 support\spring-boot-project\spring-boot-project>git add README.md

```
C:\ds2 support\spring-boot-project\spring-boot-project>git rebase --continue
[detached HEAD fed8b3f] fix app
Author: MedAmine22 <aminlaribi18@gmail.com>
24 files changed, 290 insertions(+), 1 deletion(-)
create mode 100644 .gitignore
create mode 100644 .idea/.gitignore
create mode 100644 .idea/compiler.xml
create mode 100644 .idea/encodings.xml
create mode 100644 .idea/jarRepositories.xml
create mode 100644 .idea/misc.xml
create mode 100644 .idea/vcs.xml
create mode 100644 Dockerfile
create mode 100644 index.js
create mode 100644 package-lock.json
create mode 100644 package.json
create mode 100644 pom.xml
create mode 100644 src/main/java/com/example/demo/DemoApplication.java
create mode 100644 src/main/java/com/example/demo/controller/HomeController.java
create mode 100644 src/main/resources/application.properties
create mode 100644 target/classes/application.properties
create mode 100644 target/classes/com/example/demo/DemoApplication.class
create mode 100644 target/classes/com/example/demo/controller/HomeController.class
create mode 100644 target/demo-0.0.1-SNAPSHOT.jar
```

Outil Capture d'écran

Capture d'écran copiée dans le Presse-papiers
Enregistrement automatique dans le dossier des
captures d'écran.

Balisage et partage

```
Invite de commandes + - x
create mode 100644 .gitignore
create mode 100644 .idea/.gitignore
create mode 100644 .idea/compiler.xml
create mode 100644 .idea/encodings.xml
create mode 100644 .idea/jarRepositories.xml
create mode 100644 .idea/misc.xml
create mode 100644 .idea/vcs.xml
create mode 100644 Dockerfile
create mode 100644 index.js
create mode 100644 package-lock.json
create mode 100644 package.json
create mode 100644 pom.xml
create mode 100644 src/main/java/com/example/demo/DemoApplication.java
create mode 100644 src/main/java/com/example/demo/controller/HomeController.java
create mode 100644 src/main/resources/application.properties
create mode 100644 target/classes/application.properties
create mode 100644 target/classes/com/example/demo/DemoApplication.class
create mode 100644 target/classes/com/example/demo/controller/HomeController.class
create mode 100644 target/demo-0.0.1-SNAPSHOT.jar
create mode 100644 target/demo-0.0.1-SNAPSHOT.jar.original
create mode 100644 target/maven-archiver/pom.properties
create mode 100644 target/maven-status/maven-compiler-plugin/compile/default-compile/createdFiles.lst
create mode 100644 target/maven-status/maven-compiler-plugin/compile/default-compile/inputFiles.lst
Successfully rebased and updated refs/heads/main.
```

```
C:\ds2 support\spring-boot-project\spring-boot-project>git push -u origin main
Enumerating objects: 50, done.
Counting objects: 100% (50/50), done.
Delta compression using up to 12 threads
Compressing objects: 100% (35/35), done.
Writing objects: 100% (48/48), 18.91 MiB | 275.00 KiB/s, done.
Total 48 (delta 3), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (3/3), done.
To https://github.com/sarahmahmoudi315/springboot-ci-pipeline.git
 cab4ae4..e75fe44 main -> main
branch 'main' set up to track 'origin/main'.
```

```
C:\ds2 support\spring-boot-project\spring-boot-project>
```

Outil Capture d'écran

Capture d'écran copiée dans le Presse-papiers
Enregistrement automatique dans le dossier des
captures d'écran.

Balísage et partage

```
Microsoft Windows [version 10.0.22631.5189]
(c) Microsoft Corporation. Tous droits réservés.

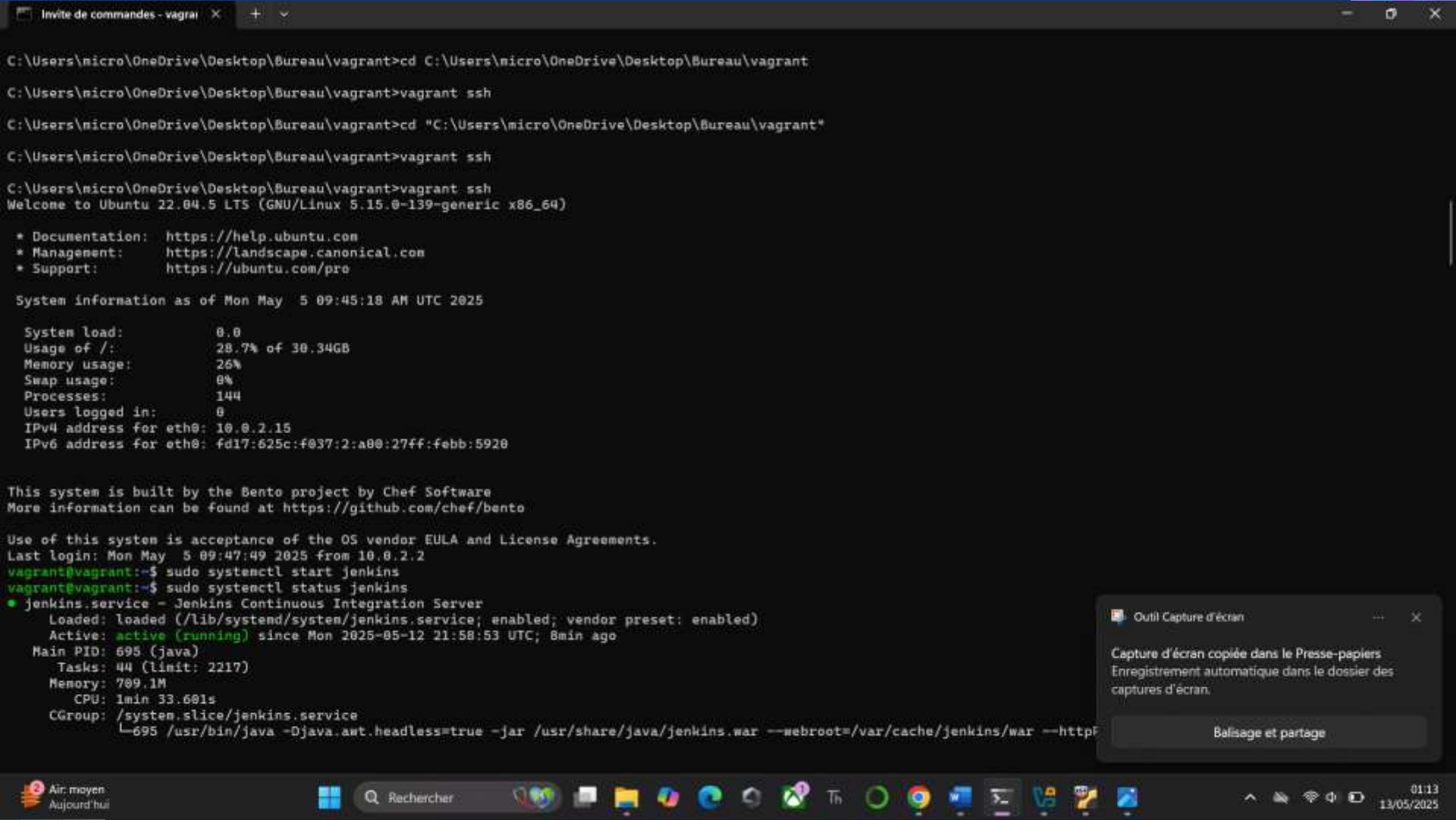
C:\Users\micro>sudo docker ps
'sudo' n'est pas reconnu en tant que commande interne
ou externe, un programme exécutable ou un fichier de commandes.

C:\Users\micro>vagrant up
==> vagrant: A new version of Vagrant is available: 2.4.5 (installed version: 2.4.3)!
==> vagrant: To upgrade visit: https://www.vagrantup.com/downloads.html

A Vagrant environment or target machine is required to run this
command. Run 'vagrant init' to create a new Vagrant environment. Or,
get an ID of a target machine from 'vagrant global-status' to run
this command on. A final option is to change to a directory with a
Vagrantfile and to try again.

C:\Users\micro>cd C:\Users\micro\OneDrive\Desktop\Bureau\vagrant

C:\Users\micro\OneDrive\Desktop\Bureau\vagrant>vagrant up
Bringing machine 'default' up with 'virtualbox' provider...
==> default: You assigned a static IP ending in ".1" or ":1" to this machine.
==> default: This is very often used by the router and can cause the
==> default: network to not work properly. If the network doesn't work
==> default: properly, try changing this IP.
==> default: You assigned a static IP ending in ".1" or ":1" to this machine.
==> default: This is very often used by the router and can cause the
==> default: network to not work properly. If the network doesn't work
==> default: properly, try changing this IP.
==> default: Checking if box 'bento/ubuntu-22.04' version '202502.21.0' is up to date...
==> default: Clearing any previously set forwarded ports...
==> default: Clearing any previously set network interfaces...
==> default: Preparing network interfaces based on configuration...
default: Adapter 1: nat
default: Adapter 2: hostonly
default: Adapter 3: bridged
==> default: Forwarding ports...
default: 80 (guest) => 8080 (host) (adapter 1)
default: 22 (guest) => 2222 (host) (adapter 1)
==> default: Running 'pre-boot' VM customizations...
==> default: Booting VM...
==> default: Waiting for machine to boot. This may take a few minutes...
default: SSH address: 127.0.0.1:2222
default: SSH username: vagrant
default: SSH auth method: private key
```



```
C:\Users\micro\OneDrive\Desktop\Bureau\vagrant>cd C:\Users\micro\OneDrive\Desktop\Bureau\vagrant
C:\Users\micro\OneDrive\Desktop\Bureau\vagrant>vagrant ssh
C:\Users\micro\OneDrive\Desktop\Bureau\vagrant>cd "C:\Users\micro\OneDrive\Desktop\Bureau\vagrant"
```

```
C:\Users\micro\OneDrive\Desktop\Bureau\vagrant>vagrant ssh
C:\Users\micro\OneDrive\Desktop\Bureau\vagrant>vagrant ssh
Welcome to Ubuntu 22.04.5 LTS (GNU/Linux 5.15.0-139-generic x86_64)
```

```
* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:        https://ubuntu.com/pro
```

```
System information as of Mon May  5 09:45:18 AM UTC 2025
```

```
System load:          0.0
Usage of /:            28.7% of 30.34GB
Memory usage:         26%
Swap usage:           0%
Processes:            144
Users logged in:      0
IPv4 address for eth0: 10.0.2.15
IPv6 address for eth0: fd17:625c:f037:2:a00:27ff:febb:5920
```

```
This system is built by the Bento project by Chef Software
More information can be found at https://github.com/chef/bento
```

```
Use of this system is acceptance of the OS vendor EULA and License Agreements.
```

```
Last login: Mon May  5 09:47:49 2025 from 10.0.2.2
```

```
vagrant@vagrant:~$ sudo systemctl start jenkins
```

```
vagrant@vagrant:~$ sudo systemctl status jenkins
```

```
• jenkins.service - Jenkins Continuous Integration Server
```

```
Loaded: loaded (/lib/systemd/system/jenkins.service; enabled; vendor preset: enabled)
```

```
Active: active (running) since Mon 2025-05-12 21:58:53 UTC; 8min ago
```

```
Main PID: 695 (java)
```

```
Tasks: 44 (limit: 2217)
```

```
Memory: 709.1M
```

```
CPU: 1min 33.601s
```

```
CGroup: /system.slice/jenkins.service
```

```
└─695 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins/war --httpd
```

Outil Capture d'écran

Capture d'écran copiée dans le Presse-papiers
Enregistrement automatique dans le dossier des
captures d'écran.

Balises et partage

Invite de commandes

CPU: 1min 35.956s
CGroup: /system.slice/jenkins.service
└─695 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins/war --httpPort=8080

May 12 21:58:50 vagrant jenkins[695]: 2025-05-12 21:58:50.738+0000 [id=30] INFO jenkins.InitReactorRunner\$1#onAttained: System config loaded
May 12 21:58:50 vagrant jenkins[695]: 2025-05-12 21:58:50.745+0000 [id=30] INFO jenkins.InitReactorRunner\$1#onAttained: System config adapted
May 12 21:58:50 vagrant jenkins[695]: 2025-05-12 21:58:50.806+0000 [id=31] INFO jenkins.InitReactorRunner\$1#onAttained: Loaded all jobs
May 12 21:58:50 vagrant jenkins[695]: 2025-05-12 21:58:50.835+0000 [id=30] INFO jenkins.InitReactorRunner\$1#onAttained: Configuration for all jobs updated
May 12 21:58:51 vagrant jenkins[695]: 2025-05-12 21:58:51.276+0000 [id=48] INFO hudson.util.Retrier#start: Attempt #1 to do the action check updates server
May 12 21:58:53 vagrant jenkins[695]: 2025-05-12 21:58:53.039+0000 [id=33] INFO jenkins.InitReactorRunner\$1#onAttained: Completed initialization
May 12 21:58:53 vagrant jenkins[695]: 2025-05-12 21:58:53.088+0000 [id=24] INFO hudson.lifecycle.Lifecycle#onReady: Jenkins is fully up and running
May 12 21:58:53 vagrant systemd[1]: Started Jenkins Continuous Integration Server.
May 12 21:59:38 vagrant jenkins[695]: 2025-05-12 21:59:38.155+0000 [id=48] INFO h.m.DownloadService\$Downloadable#load: Obtained the updated data file for h
May 12 21:59:38 vagrant jenkins[695]: 2025-05-12 21:59:38.159+0000 [id=48] INFO hudson.util.Retrier#start: Performed the action check updates server succes

vagrant@vagrant:~\$ ip a

1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
inet 127.0.0.1/8 scope host lo
valid_lft forever preferred_lft forever
inet6 ::1/128 scope host
valid_lft forever preferred_lft forever

2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:bb:59:20 brd ff:ff:ff:ff:ff:ff
altname enp0s3
inet 10.0.2.15/24 metric 100 brd 10.0.2.255 scope global dynamic eth0
valid_lft 85510sec preferred_lft 85510sec
inet6 fd17:625c:f037:2:a00:27ff:febb:5920/64 scope global dynamic mngtmpaddr noprefixroute
valid_lft 86387sec preferred_lft 14387sec
inet6 fe80::a00:27ff:febb:5920/64 scope link
valid_lft forever preferred_lft forever

3: eth1: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:5b:e2:d5 brd ff:ff:ff:ff:ff:ff
altname enp0s8
inet 192.168.56.1/24 brd 192.168.56.255 scope global eth1
valid_lft forever preferred_lft forever
inet6 fe80::a00:27ff:fe5b:e2d5/64 scope link
valid_lft forever preferred_lft forever

4: eth2: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:a7:23:76 brd ff:ff:ff:ff:ff:ff
altname enp0s9
inet 192.168.0.6/24 metric 100 brd 192.168.0.255 scope global dynamic eth2
valid_lft 85514sec preferred_lft 85514sec
inet6 fe80::a00:27ff:fea7:2376/64 scope link
valid_lft forever preferred_lft forever

5: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default

Outil Capture d'écran

Capture d'écran copiée dans le Presse-papiers
Enregistrement automatique dans le dossier des captures d'écran.

Balise et partage

Air: moyen
Aujourd'hui

Rechercher

01:13
13/05/2025

Invite de commandes

```
May 12 21:58:50 vagrant jenkins[695]: 2025-05-12 21:58:50.806+0000 [id=31] INFO jenkins.InitReactorRunner$1#onAttained: Loaded all jobs
May 12 21:58:50 vagrant jenkins[695]: 2025-05-12 21:58:50.835+0000 [id=30] INFO jenkins.InitReactorRunner$1#onAttained: Configuration for all jobs updated
May 12 21:58:51 vagrant jenkins[695]: 2025-05-12 21:58:51.276+0000 [id=48] INFO hudson.util.Retrier#start: Attempt #1 to do the action check updates server
May 12 21:58:53 vagrant jenkins[695]: 2025-05-12 21:58:53.039+0000 [id=33] INFO jenkins.InitReactorRunner$1#onAttained: Completed initialization
May 12 21:58:53 vagrant jenkins[695]: 2025-05-12 21:58:53.088+0000 [id=24] INFO hudson.lifecycle.Lifecycle#onReady: Jenkins is fully up and running
May 12 21:58:53 vagrant systemd[1]: Started Jenkins Continuous Integration Server.
May 12 21:59:38 vagrant jenkins[695]: 2025-05-12 21:59:38.155+0000 [id=48] INFO h.m.DownloadService$Downloadable#load: Obtained the updated data file for h
May 12 21:59:38 vagrant jenkins[695]: 2025-05-12 21:59:38.159+0000 [id=48] INFO hudson.util.Retrier#start: Performed the action check updates server succes

vagrant@vagrant:~$ sudo netstat -tln | grep 8080
tcp6      0      0 :::8080          :::*             LISTEN
vagrant@vagrant:~$ curl http://localhost:8080
<html><head><meta http-equiv='refresh' content='1;url=/login?from=%2F'/><script>>window.location.replace('/login?from=%2F');</script></head><body style='background-color:w
hite; color:white;'>

Authentication required
<!--
-->

</body></html>

tstat -tln | grep sudo netstat -tln | grep 8080
tcp6      0      0 :::8080          :::*             LISTEN
vagrant@vagrant:~$ ping 192.168.0.6
PING 192.168.0.6 (192.168.0.6) 56(84) bytes of data:
64 bytes from 192.168.0.6: icmp_seq=1 ttl=64 time=0.683 ms
64 bytes from 192.168.0.6: icmp_seq=2 ttl=64 time=0.044 ms
64 bytes from 192.168.0.6: icmp_seq=3 ttl=64 time=0.332 ms
64 bytes from 192.168.0.6: icmp_seq=4 ttl=64 time=0.072 ms
64 bytes from 192.168.0.6: icmp_seq=5 ttl=64 time=0.045 ms
64 bytes from 192.168.0.6: icmp_seq=6 ttl=64 time=0.042 ms
64 bytes from 192.168.0.6: icmp_seq=7 ttl=64 time=0.086 ms
64 bytes from 192.168.0.6: icmp_seq=8 ttl=64 time=0.072 ms
64 bytes from 192.168.0.6: icmp_seq=9 ttl=64 time=0.039 ms
64 bytes from 192.168.0.6: icmp_seq=10 ttl=64 time=0.046 ns
64 bytes from 192.168.0.6: icmp_seq=11 ttl=64 time=0.038 ns
64 bytes from 192.168.0.6: icmp_seq=12 ttl=64 time=0.038 ns
64 bytes from 192.168.0.6: icmp_seq=13 ttl=64 time=0.047 ns
64 bytes from 192.168.0.6: icmp_seq=14 ttl=64 time=0.046 ns
64 bytes from 192.168.0.6: icmp_seq=15 ttl=64 time=0.065 ns
64 bytes from 192.168.0.6: icmp_seq=16 ttl=64 time=0.062 ns
64 bytes from 192.168.0.6: icmp_seq=17 ttl=64 time=0.045 ns
64 bytes from 192.168.0.6: icmp_seq=18 ttl=64 time=0.064 ns
64 bytes from 192.168.0.6: icmp_seq=19 ttl=64 time=0.079 ns
64 bytes from 192.168.0.6: icmp_seq=20 ttl=64 time=0.040 ns
```

01/13
13/05/2025

Air: moyen
Aujourd'hui

Rechercher

Outil Capture d'écran

Capture d'écran copiée dans le Presse-papiers
Enregistrement automatique dans le dossier des
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Balises et partage



Outils



ubuntu_default_1745062810776_84288

Sauvegardée



vagrant_default_1746354548449_92577

En fonction



Nouvelle



Ajouter



Configuration



Outils



Supprimer

Général

Nom : ubuntu_default_1745062810776_84288

Système d'exploitation : Ubuntu (64-bit)

System

Mémoire vive : 2048 Mo

Processeurs : 2

Ordre d'amorçage : Disque dur, Optique

Type de jeu de puces : ICH9

Accélération : Pagination imbriquée, Paravirtualisation KVM

Affichage

Mémoire vidéo : 33 Mo

Contrôleur graphique : VMSVGA

Port serveur bureau distant : 5953

Enregistrement : Désactivé

Stockage

Contrôleur : IDE Controller

Contrôleur : SATA Controller

Port SATA 0 : ubuntu-22.04-amd64-disk001.vmdk (Normal, 64,00 Gio)

Audio

Désactivé

Réseau

Interface 1: Intel PRO/1000 MT Desktop (NAT)

Interface 2: Intel PRO/1000 MT Desktop (Réseau privé hôte, "VirtualBox Host-Only Ethernet Adapter #3")

Interface 3: Intel PRO/1000 MT Desktop (Interface port Intel(R) Wi-Fi 6 AX201 160MHz)

USB

Désactivé

Dossiers partagés

Dossiers partagés : 1

Description

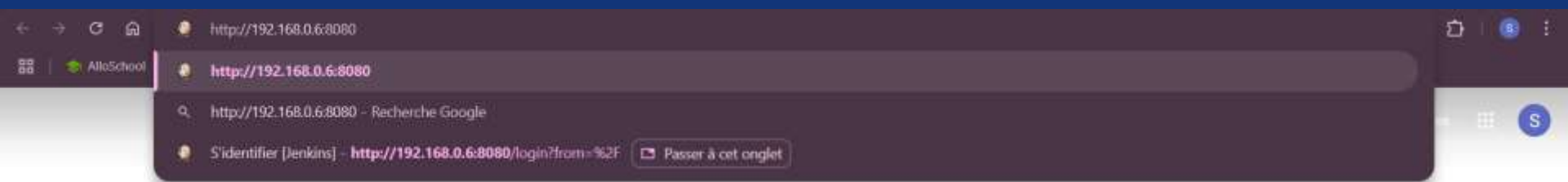
Aucune



Powering VM up ...

0%





Google

Effectuez une recherche sur Google ou saisissez une URL

trust the process.



blackboard



moodle



cmi



https://www...



chat



robot case stu...



medeuce



1

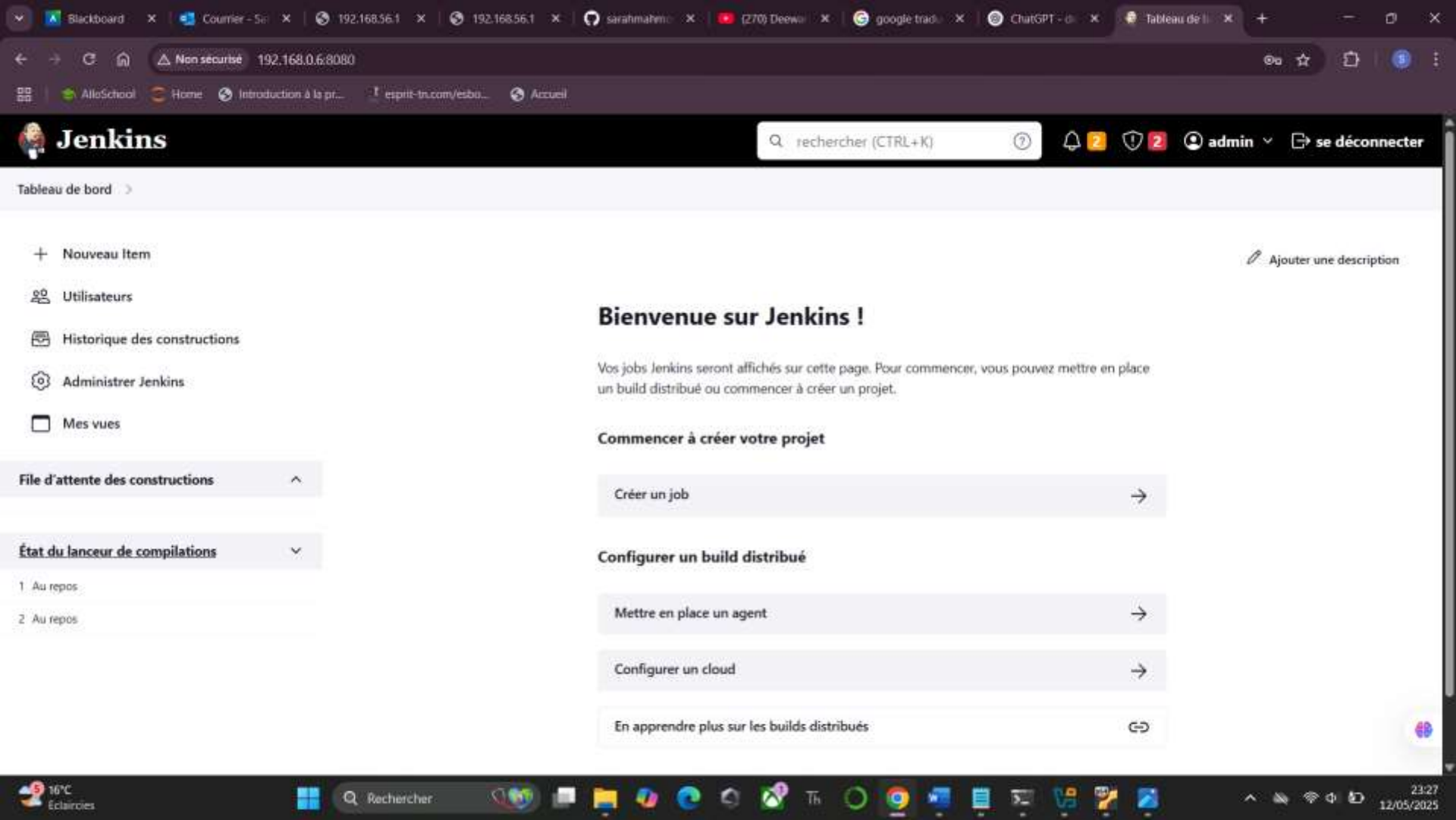


github



github





System Configuration



System

Configurer les paramètres généraux et les chemins de fichiers.



Tools

Configurer les outils, leur localisation et les installeurs automatiques.



Plugins

Ajouter, supprimer, activer ou désactiver des plugins qui peuvent étendre les fonctionnalités de Jenkins.



Nodes and Clouds

Ajouter, supprimer, contrôler et monitorer les divers nœuds que Jenkins utilise pour exécuter les jobs.

Security



Security

Sécuriser Jenkins; définir qui est autorisé à accéder au système.



Users

Créer/supprimer/modifier les utilisateurs qui peuvent se logger sur ce serveur Jenkins

Status Information



Q sonar

Install without reboot

Download now and install after reboot

Update information obtained: 36 min ago

Verfügen Sie sich hier:

Plugins

pipeline

Install	Name	Released
☒	Pipeline 600.vb_57cdd26hd7 Command Line Interface Agent Management Build Triggers Miscellaneous A suite of plugins that lets you orchestrate automation, simple or complex. See Pipeline as Code with Jenkins for more details.	10 mo. ago
☐	Pipeline: Step API 678.v3ae5001_488470 Library plugins (for use by other plugins) Miscellaneous API for asynchronous build step primitive. Warning: This plugin is built for Jenkins 2.454.3 or newer. Jenkins will refuse to load this plugin if installed.	10 mo. ago
☐	Pipeline: API 1022.v057eeeee_99012 Library plugins (for use by other plugins) Miscellaneous Plugin that defines Pipeline API. Warning: This plugin is built for Jenkins 2.426.3 or newer. Jenkins will refuse to load this plugin if installed.	9 mo. 28 j ago
☐	Pipeline: SCM Step 427.v4c4a_65512a7001 Source Code Management related Source Code Management Miscellaneous Adds a Pipeline step to check out or update working sources from various SCMs (version control).	1 an, 1 mo. ago

Install without restart

Download now and install after restart

Update information obtained: 38 mn ago

Waiter maintenance

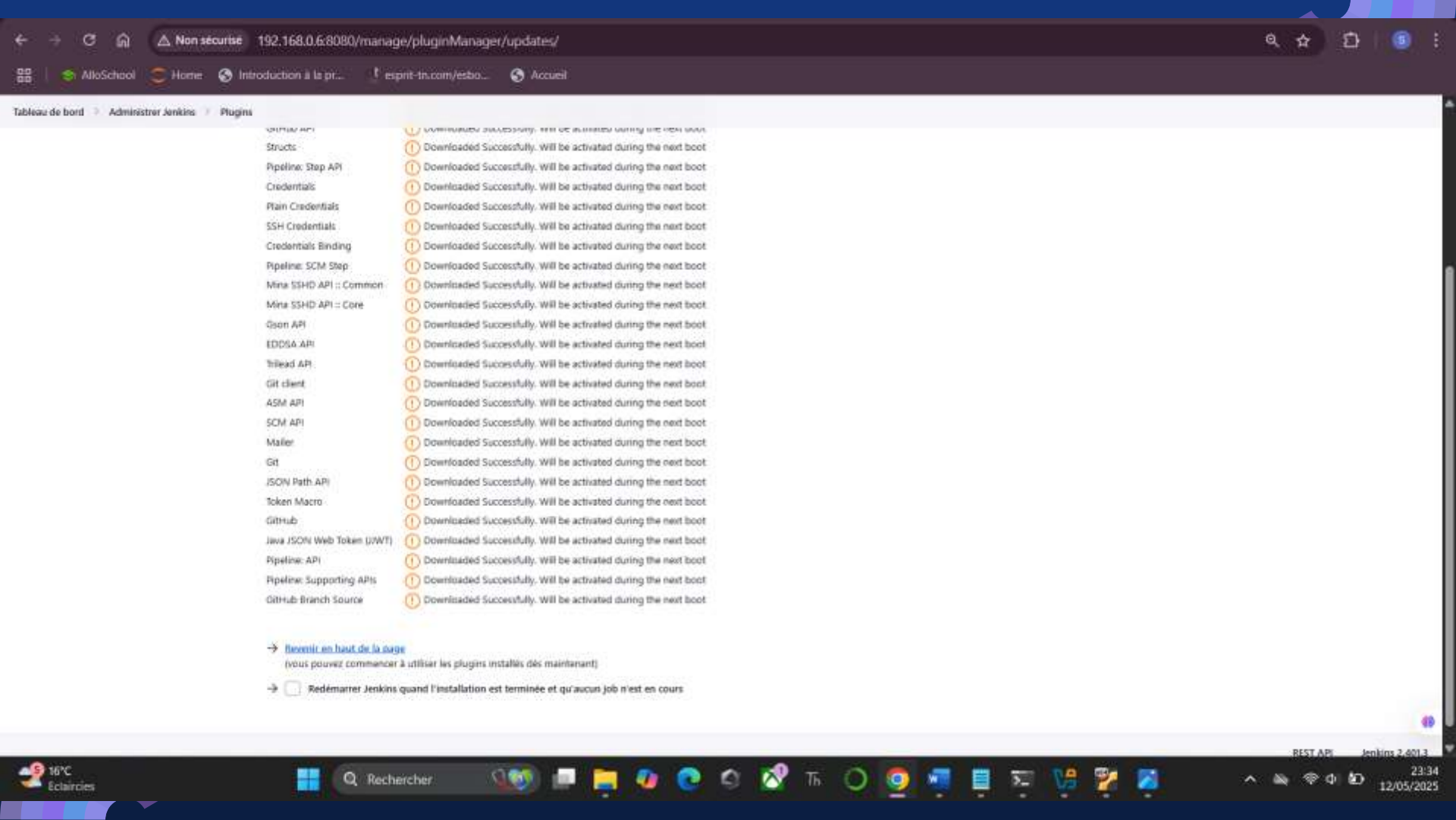
- Updates
- Available plugins
- Installed plugins
- Advanced settings
- Download progress**

Download progress

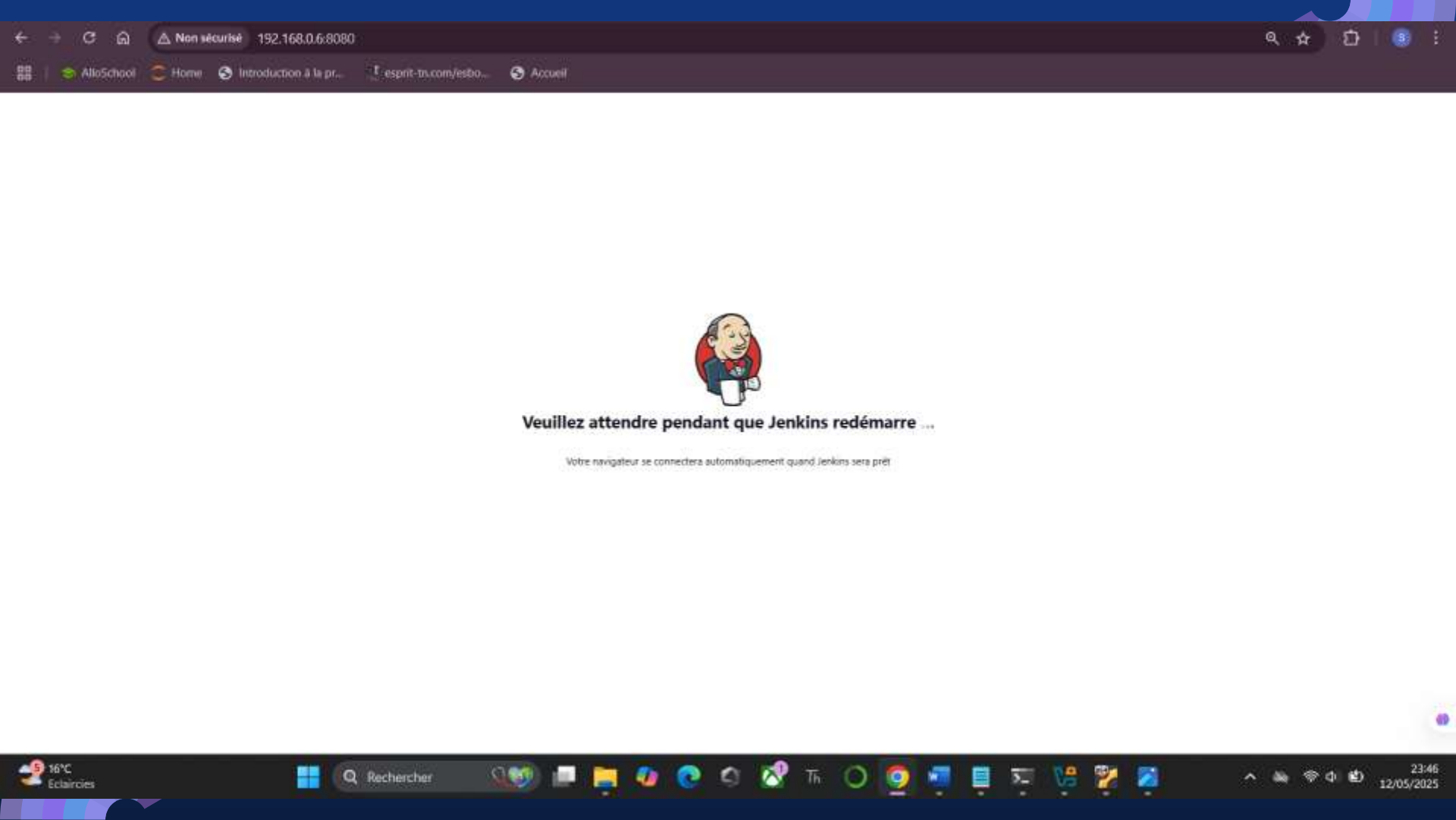
Préparation

- Checking internet connectivity
- Checking update center connectivity
- Success

JSON API	Downloaded Successfully. Will be activated during the next boot
Jackson 2 API	Downloaded Successfully. Will be activated during the next boot
GitHub API	Downloaded Successfully. Will be activated during the next boot
Struts	Downloaded Successfully. Will be activated during the next boot
Pipeline: Step API	Downloaded Successfully. Will be activated during the next boot
Credentials	Downloaded Successfully. Will be activated during the next boot
Plain Credentials	Downloaded Successfully. Will be activated during the next boot
SSH Credentials	Downloaded Successfully. Will be activated during the next boot
Credentials Binding	Downloaded Successfully. Will be activated during the next boot
Pipeline: SCM Step	Downloaded Successfully. Will be activated during the next boot
Mina SSHD API :: Common	Downloaded Successfully. Will be activated during the next boot
Mina SSHD API :: Core	Downloaded Successfully. Will be activated during the next boot
Gson API	En cours
EDDSA API	En cours
Trilead API	En cours
Git client	En cours
ASMA API	En cours
SCM API	En cours
Mail	En cours
Git	En cours
JSON Path API	En cours
Token Macro	En cours
GitHub	En cours



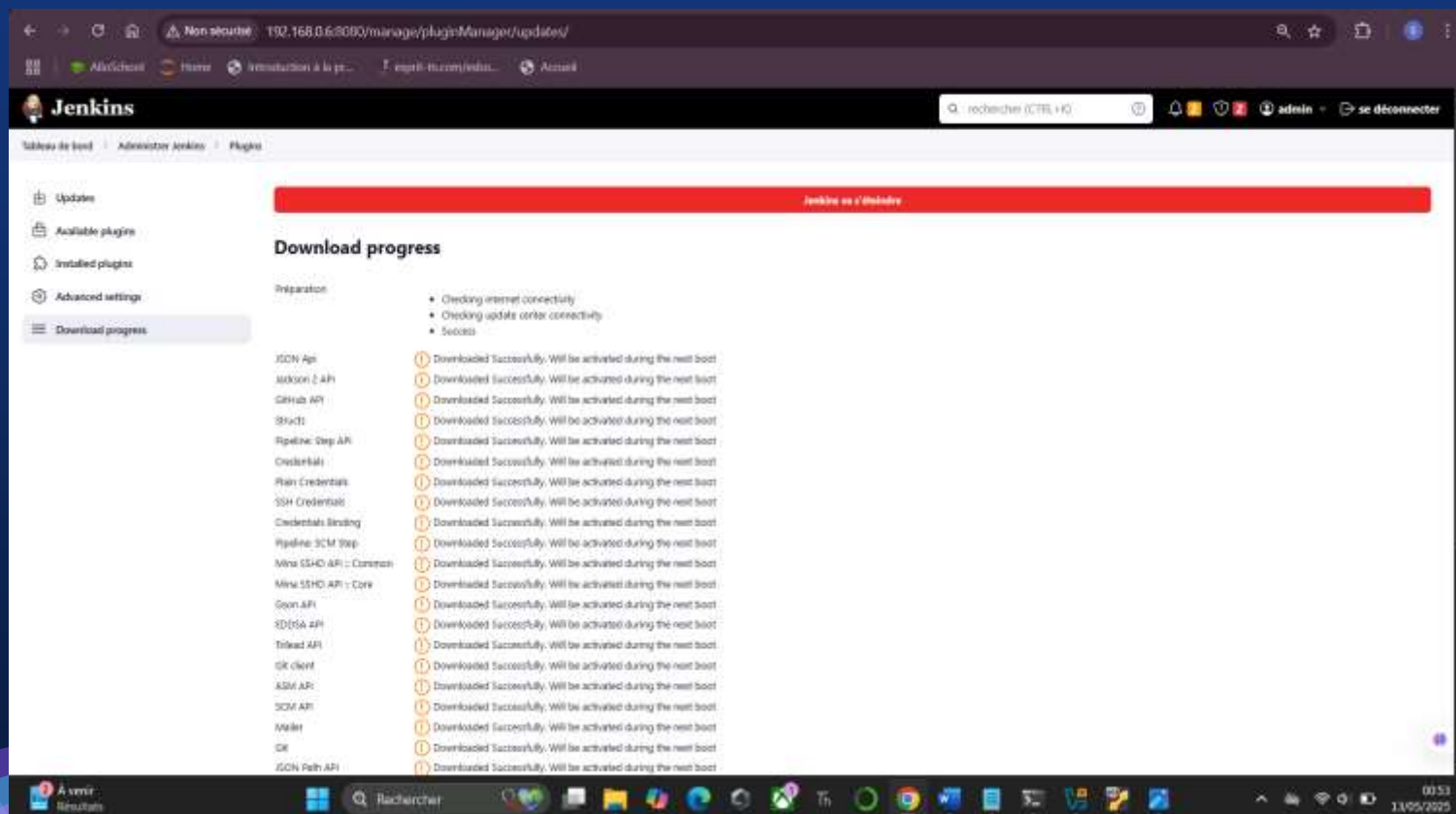
```
vagrant@vagrant: -
64 bytes from 192.168.0.6: icmp_seq=151 ttl=64 time=0.042 ms
64 bytes from 192.168.0.6: icmp_seq=152 ttl=64 time=0.075 ms
64 bytes from 192.168.0.6: icmp_seq=153 ttl=64 time=0.040 ms
64 bytes from 192.168.0.6: icmp_seq=154 ttl=64 time=0.061 ms
64 bytes from 192.168.0.6: icmp_seq=155 ttl=64 time=0.040 ms
64 bytes from 192.168.0.6: icmp_seq=156 ttl=64 time=0.059 ms
64 bytes from 192.168.0.6: icmp_seq=157 ttl=64 time=0.058 ms
64 bytes from 192.168.0.6: icmp_seq=158 ttl=64 time=0.038 ms
64 bytes from 192.168.0.6: icmp_seq=159 ttl=64 time=0.040 ms
64 bytes from 192.168.0.6: icmp_seq=160 ttl=64 time=0.040 ms
64 bytes from 192.168.0.6: icmp_seq=161 ttl=64 time=0.061 ms
64 bytes from 192.168.0.6: icmp_seq=162 ttl=64 time=0.043 ms
64 bytes from 192.168.0.6: icmp_seq=163 ttl=64 time=0.077 ms
64 bytes from 192.168.0.6: icmp_seq=164 ttl=64 time=0.039 ms
64 bytes from 192.168.0.6: icmp_seq=165 ttl=64 time=0.049 ms
64 bytes from 192.168.0.6: icmp_seq=166 ttl=64 time=0.037 ms
64 bytes from 192.168.0.6: icmp_seq=167 ttl=64 time=0.101 ms
64 bytes from 192.168.0.6: icmp_seq=168 ttl=64 time=0.058 ms
64 bytes from 192.168.0.6: icmp_seq=169 ttl=64 time=0.064 ms
64 bytes from 192.168.0.6: icmp_seq=170 ttl=64 time=0.039 ms
64 bytes from 192.168.0.6: icmp_seq=171 ttl=64 time=0.056 ms
64 bytes from 192.168.0.6: icmp_seq=172 ttl=64 time=0.076 ms
64 bytes from 192.168.0.6: icmp_seq=173 ttl=64 time=0.051 ms
64 bytes from 192.168.0.6: icmp_seq=174 ttl=64 time=0.038 ms
64 bytes from 192.168.0.6: icmp_seq=175 ttl=64 time=0.047 ms
64 bytes from 192.168.0.6: icmp_seq=176 ttl=64 time=0.040 ms
64 bytes from 192.168.0.6: icmp_seq=177 ttl=64 time=0.040 ms
64 bytes from 192.168.0.6: icmp_seq=178 ttl=64 time=0.042 ms
64 bytes from 192.168.0.6: icmp_seq=179 ttl=64 time=0.061 ms
64 bytes from 192.168.0.6: icmp_seq=180 ttl=64 time=0.037 ms
64 bytes from 192.168.0.6: icmp_seq=181 ttl=64 time=0.041 ms
64 bytes from 192.168.0.6: icmp_seq=182 ttl=64 time=0.101 ms
64 bytes from 192.168.0.6: icmp_seq=183 ttl=64 time=0.039 ms
64 bytes from 192.168.0.6: icmp_seq=184 ttl=64 time=0.042 ms
64 bytes from 192.168.0.6: icmp_seq=185 ttl=64 time=0.040 ms
64 bytes from 192.168.0.6: icmp_seq=186 ttl=64 time=0.059 ms
64 bytes from 192.168.0.6: icmp_seq=187 ttl=64 time=0.037 ms
64 bytes from 192.168.0.6: icmp_seq=188 ttl=64 time=0.042 ms
64 bytes from 192.168.0.6: icmp_seq=189 ttl=64 time=0.064 ms
^C
--- 192.168.0.6 ping statistics ---
189 packets transmitted, 189 received, 0% packet loss, time 192324ms
rtt min/avg/max/mdev = 0.031/0.054/0.683/0.052 ms
vagrant@vagrant:~$ sudo systemctl restart jenkins
```



Veuillez attendre pendant que Jenkins redémarre ...

Votre navigateur se connectera automatiquement quand Jenkins sera prêt

→ ✓ Redémarrer Jenkins quand l'installation est terminée et qu'aucun job n'est en cours



Non sécurisée 192.168.0.6:8080/manage/pluginManager/updates/

Jenkins

rechercher (CTRL+Q)

admin se déconnecter

Tableau de bord Administer Jenkins Plugins

Updates

Available plugins

Installed plugins

Advanced settings

Download progress

Jenkins se réinitialise

Download progress

Préparation

- Checking internet connectivity
- Checking update center connectivity
- Success

JCR API	Downloaded Successfully. Will be activated during the next boot
Adcon 2 API	Downloaded Successfully. Will be activated during the next boot
GitHub API	Downloaded Successfully. Will be activated during the next boot
Struts	Downloaded Successfully. Will be activated during the next boot
Pipeline: Step API	Downloaded Successfully. Will be activated during the next boot
Credentials	Downloaded Successfully. Will be activated during the next boot
Plain Credentials	Downloaded Successfully. Will be activated during the next boot
SSH Credentials	Downloaded Successfully. Will be activated during the next boot
Credentials Binding	Downloaded Successfully. Will be activated during the next boot
Pipeline: SCM Step	Downloaded Successfully. Will be activated during the next boot
Minis (SSH) API : Common	Downloaded Successfully. Will be activated during the next boot
Minis (SSH) API : Core	Downloaded Successfully. Will be activated during the next boot
Open API	Downloaded Successfully. Will be activated during the next boot
SD(SA) API	Downloaded Successfully. Will be activated during the next boot
Trilead API	Downloaded Successfully. Will be activated during the next boot
Git client	Downloaded Successfully. Will be activated during the next boot
ASM API	Downloaded Successfully. Will be activated during the next boot
SCM API	Downloaded Successfully. Will be activated during the next boot
Waller	Downloaded Successfully. Will be activated during the next boot
OK	Downloaded Successfully. Will be activated during the next boot
JCR Path API	Downloaded Successfully. Will be activated during the next boot

À voir Résultats

Rachiercher

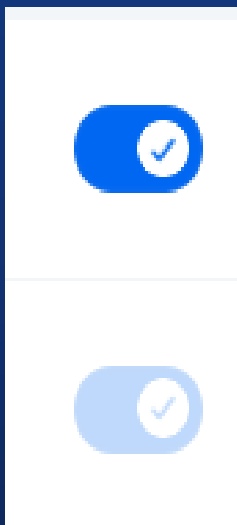
00:53 13/05/2025

- En cours

100

(vous pouvez commencer à

- Redémarrer Jenkins quand l'installation est terminée et qu'aucun



Warning: This plugin is built for Jenkins 2.414.3 or newer. Jenkins will refuse to load this plugin if installed.

```

vagrant@vagrant:~$ ^C
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl status jenkins
● jenkins.service - Jenkins Continuous Integration Server
   Loaded: loaded (/lib/systemd/system/jenkins.service; enabled; vendor preset: enabled)
   Active: active (running) since Tue 2025-05-13 00:51:40 UTC; 1min 43s ago
     Main PID: 3171 (java)
       Tasks: 47 (limit: 2217)
      Memory: 639.9M
         CPU: 31.097s
      CGroup: /system.slice/jenkins.service
              └─3171 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins/war --httpPort=8080

May 13 00:51:39 vagrant jenkins[3171]: 2025-05-13 00:51:39.743+0000 [id=33] INFO jenkins.InitReactorRunner$1#onAttained: Prepared all plugins
May 13 00:51:39 vagrant jenkins[3171]: 2025-05-13 00:51:39.778+0000 [id=30] INFO jenkins.InitReactorRunner$1#onAttained: Started all plugins
May 13 00:51:39 vagrant jenkins[3171]: 2025-05-13 00:51:39.808+0000 [id=32] INFO jenkins.InitReactorRunner$1#onAttained: Augmented all extensions
May 13 00:51:40 vagrant jenkins[3171]: 2025-05-13 00:51:40.403+0000 [id=33] INFO jenkins.InitReactorRunner$1#onAttained: System config loaded
May 13 00:51:40 vagrant jenkins[3171]: 2025-05-13 00:51:40.404+0000 [id=33] INFO jenkins.InitReactorRunner$1#onAttained: System config adapted
May 13 00:51:40 vagrant jenkins[3171]: 2025-05-13 00:51:40.405+0000 [id=33] INFO jenkins.InitReactorRunner$1#onAttained: Loaded all jobs
May 13 00:51:40 vagrant jenkins[3171]: 2025-05-13 00:51:40.406+0000 [id=30] INFO jenkins.InitReactorRunner$1#onAttained: Configuration for all plugins
May 13 00:51:40 vagrant jenkins[3171]: 2025-05-13 00:51:40.661+0000 [id=33] INFO jenkins.InitReactorRunner$1#onAttained: Completed initialization
May 13 00:51:40 vagrant jenkins[3171]: 2025-05-13 00:51:40.679+0000 [id=24] INFO hudson.lifecycle.Lifecycle#onReady: Jenkins is fully up and running
May 13 00:51:40 vagrant systemd[1]: Started Jenkins Continuous Integration Server.

vagrant@vagrant:~$ wget -qO- http://localhost:8080/api/json?pretty=true | grep "version"
vagrant@vagrant:~$ curl -sI http://localhost:8080 | grep -i "X-Jenkins"
X-Jenkins: 2.401.3
X-Jenkins-Session: 32f4f744

vagrant@vagrant:~$ sudo wget -O /usr/share/java/jenkins.war https://get.jenkins.io/war-stable/2.504.1/jenkins.war
--2025-05-13 00:55:16-- https://get.jenkins.io/war-stable/2.504.1/jenkins.war
Resolving get.jenkins.io (get.jenkins.io)... 20.7.178.24, 2603:1030:408:5::15a
Connecting to get.jenkins.io (get.jenkins.io)[20.7.178.24]:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://ftp.belnet.be/mirror/jenkins/war-stable/2.504.1/jenkins.war [following]
--2025-05-13 00:55:16-- https://ftp.belnet.be/mirror/jenkins/war-stable/2.504.1/jenkins.war
Resolving ftp.belnet.be (ftp.belnet.be)... 193.190.198.27, 2001:6a8:3c80::27
Connecting to ftp.belnet.be (ftp.belnet.be)[193.190.198.27]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 94294478 (90M) [application/java-archive]
Saving to: '/usr/share/java/jenkins.war'

/usr/share/java/jenkins.war      12%[=====>] 10.85M  990KB/s  eta 63s

```



Plugins



Mettre à jour



- Mises à jour 27
- Plugins disponibles
- Plugins installés
- Paramètres avancés

☐	Nom	Publié(e)	Installé
☐	Folders 6.1012.v70a_8ba_1ea_cff Interface utilisateur Direct This plugin allows users to create "folders" to organize jobs. Users can define custom taxonomies (like by project type, organization type etc). Folders are nestable and you can define views within folders. Maintained by CloudBees, Inc.	1 mo, 1 j ago	6.901.vb_4c7a_da_75da_3
☐	GitHub Branch Source 1813.v9f52b_2ff7a_1b_ pipeline github Gestion du code source Multibranch projects and organization folders from GitHub. Maintained by CloudBees, Inc.	1 mo, 16 j ago	1793.v1831e9c68d77



Plugins

Mises à jour

Plugins disponibles

Plugins installés

Paramètres avancés

Q. gt

Nom	Activé
Git 5.2.2 This plugin integrates Git with Jenkins. Report an issue with this plugin	☒  5.2.1 
Git client 4.7.0 Utility plugin for Git support in Jenkins Report an issue with this plugin	☒  4.6.0 
GitHub 1.40.0 This plugin integrates GitHub to Jenkins. Report an issue with this plugin	☒  1.40.0 
GitHub API 1.321-46b-v6a-9f52d5a_7e This plugin provides GitHub API for other plugins. Report an issue with this plugin	☒  1.321-46b-v6a-9f52d5a_7e 
GitHub Branch Source 1.793.a1631ef6c8d77 Multibranch projects and organization folders from GitHub. Maintained by CloudBees, Inc. Report an issue with this plugin	☒  1.793.a1631ef6c8d77 
Pipeline: GitHub Groovy Libraries 61.e629f2cc47d83 Allows Pipeline Groovy libraries to be loaded on the fly from GitHub. Report an issue with this plugin	☒  61.e629f2cc47d83 

Nom ↓

Activé

[GitHub API Plugin](#) 1.321-488.v9b_c0da_9533f8

This plugin provides [GitHub API](#) for other plugins.
[Report an issue with this plugin](#)



1.321-4...



[GitHub Branch Source Plugin](#) 1815.v9152b_2ff7a_1b_

Multibranch projects and organization folders from GitHub.
Maintained by CloudBees, Inc.
[Report an issue with this plugin](#)



1793.v1...



[GitHub plugin](#) 1.43.0

This plugin integrates [GitHub](#) to Jenkins.
[Report an issue with this plugin](#)



1.40.0



This plugin cannot be uninstalled

It has one or more installed dependents.

[GitHub Branch Source Plugin](#)

[Pipeline: GitHub Groovy Libraries](#) 65.v203688e7727e

Allows Pipeline Groovy libraries to be loaded on the fly from GitHub.
[Report an issue with this plugin](#)



61.v629...



Non sécurisé 192.168.0.6:8080/updateCenter/

AlloSchool Home Introduction à la pr... esprit-tu.com/esbo... Accueil

Jenkins

Tableau de bord > Centre de mise à jour

Plugins

- Mises à jour
- Plugins disponibles
- Plugins installés
- Paramètres avancés
- Progression des téléchargements

Progression du téléchargement

Préparation

- Checking internet connectivity
- Checking update center connectivity
- Success

Pipeline: GitHub Groovy Libraries ✓ Succès

Redémarrer Jenkins ⋮ En cours

→ [Revenir en haut de la page](#)
(vous pouvez commencer à utiliser les plugins installés dès maintenant)

→ ☒ Redémarrer Jenkins quand l'installation est terminée et qu'aucun job n'est en cours

REST API Jenkins 2.504.3

Saving to: '/usr/share/java/jenkins.war'

/usr/share/java/jenkins.war 100%[=====] 89.93M 1.55MB/s in 1m 42s

2025-05-13 00:56:59 (901 KB/s) - '/usr/share/java/jenkins.war' saved [94294478/94294478]

```
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
```

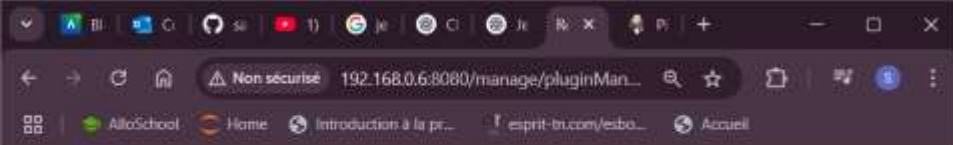
Modifier 11- Move To Available Plugins [...]

Install

	Name
☒	GitHub 1.40.0
	External Site/Tool Integrations github
	This plugin integrates GitHub to Jenkins.
	Warning: This plugin is built for Jenkins 2.414.3 or newer. Jenkins will refuse to load this plugin if installed.
☐	GitHub API 1.321-468.vf6a_9f5f2d5a_7e
	github library plugins (for use by other plugins)
	This plugin provides GitHub API for other plugins.
☒	GitHub Branch Source 1793.v1831e9c6f8d77
	pipeline github Source Code Management
	Multibranch projects and organization folders from GitHub. Maintained by CloudBees, Inc.
	Warning: This plugin is built for Jenkins 2.414.3 or newer. Jenkins will refuse to load this plugin if installed.

82 %

03:09 13/05/2025

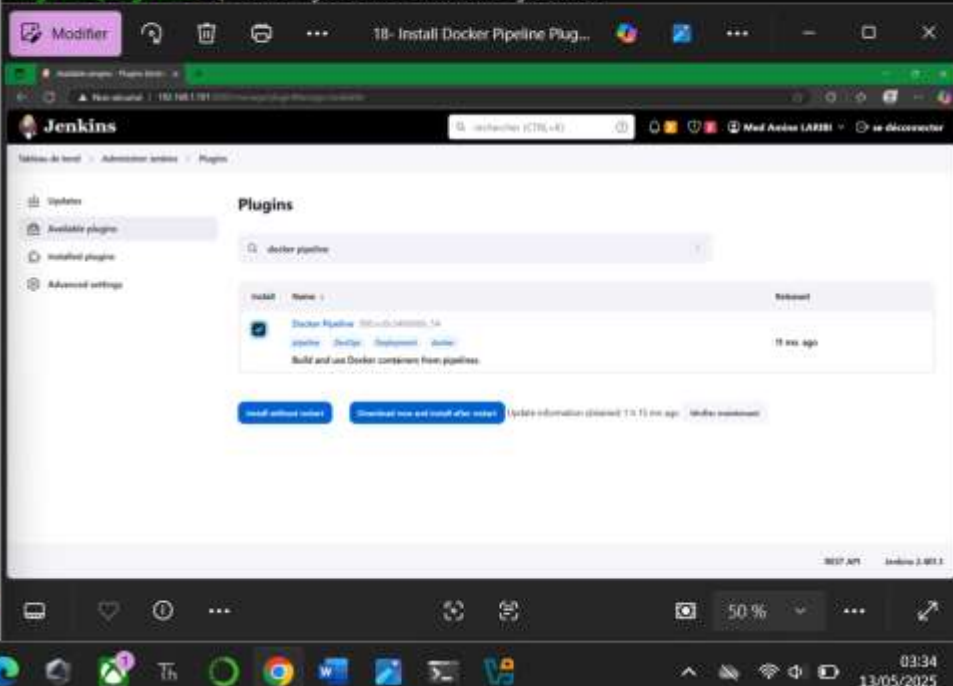


⌚ Attendre pendant que Jenkins redémarre

Votre navigateur se rafraîchira automatiquement quand Jenkins sera prêt.

Redémarrage sans danger
Les builds sur les agents peuvent généralement se poursuivre.

```
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
```



```
vagrant@vagrant: ~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ sudo apt install --only-upgrade jenkins -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
jenkins is already the newest version (2.401.3).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
vagrant@vagrant:~$
```

Pipeline #00.vb-57cdd26fdd7

Command Line Interface Agent Management Build Triggers Miscellaneous

A suite of plugins that lets you orchestrate automation, simple or complex. See [Pipeline as Code with Jenkins](#) for more details.

Pipeline: Step API 678.v3ee58b-469476

Library plugins (for use by other plugins) Miscellaneous

API for asynchronous build step primitive.

Warning: This plugin is built for Jenkins 2.414.3 or newer. Jenkins will refuse to load this plugin if installed.

Pipeline: API 1322.v857eeeee_9902

Library plugins (for use by other plugins) Miscellaneous

Plugin that defines Pipeline API.

Warning: This plugin is built for Jenkins 2.415.2 or newer. Jenkins will refuse to load this plugin if installed.

```
vagrant@vagrant: ~  
Get:22 http://us.archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [68.8 kB]  
Get:23 http://us.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [11.4 kB]  
Fetched 17.0 MB in 24s (709 kB/s)  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
5 packages can be upgraded. Run 'apt list --upgradable' to see them.  
vagrant@vagrant:~$ sudo apt install jenkins -y  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following packages will be upgraded:  
  jenkins  
1 upgraded, 0 newly installed, 0 to remove and 4 not upgraded.  
Need to get 86.5 MB of archives.  
After this operation, 11.5 MB disk space will be freed.  
Get:1 https://pkg.jenkins.io/debian binary/ jenkins 2.509 [86.5 MB]  
Fetched 86.5 MB in 1min 35s (915 kB/s)  
(Reading database ... 70223 files and directories currently installed.)  
Preparing to unpack .../archives/jenkins_2.509_all.deb ...  
Unpacking jenkins (2.509) over (2.401.3) ...  
Setting up jenkins (2.509) ...  
Installing new version of config file /etc/init.d/jenkins ...  
Scanning processes...  
Scanning linux images...  
  
Running kernel seems to be up-to-date.  
  
No services need to be restarted.  
  
No containers need to be restarted.  
  
No user sessions are running outdated binaries.  
  
No VM guests are running outdated hypervisor (qemu) binaries on this host.  
vagrant@vagrant:~$ sudo systemctl restart jenkins  
vagrant@vagrant:~$ curl -sI http://localhost:8080 | grep -i "X-Jenkins"  
X-Jenkins: 2.509  
X-Jenkins-Session: d0012d9b  
vagrant@vagrant:~$
```

← → ↺ 🏠 🔒 Non sécurisé 192.168.0.6:8080/view/all/newJob 🔍 ☆ 📄 📝 ⚙️

👤 Jenkins Tous Nouveau Item

Nouveau Item

Saisissez un nom

Select an item type

**Construire un projet free-style**
Job legacy polyvalent qui récupère l'état depuis un outil de gestion de version au plus, exécute les étapes de build en série, suivi d'étapes post-construction telles que l'archivage d'artefacts et l'envoi de notifications par e-mail.

**Pipeline**
Organise des activités de longue durée qui peuvent s'étendre sur plusieurs agents de construction. Adapté pour la création des pipelines (anciennement connues comme workflow) et/ou pour organiser des activités complexes qui ne s'adaptent pas facilement à des tâches de type libre.

**Construire un projet multi-configuration**
Adapté aux projets qui nécessitent un grand nombre de configurations différentes, comme des environnements de test multiples, des binaires spécifiques à une plateforme, etc.

**Dossier**
Crée un conteneur qui stocke des objets imbriqués. Utile pour grouper ensemble des éléments. Contrairement à une vue qui n'est qu'un filtre, un dossier crée un espace de nommage distinct, de sorte que vous pouvez avoir plusieurs éléments du même nom tant qu'ils se trouvent dans des dossiers différents.

**Organization Folder**
Creates a set of multibranch project subfolders by scanning for repositories.

**Pipeline Multibranches**
Crée un ensemble de projets Pipeline en se basant sur les branches détectées dans le dépôt d'un gestionnaire de code source.

OK

How do you want to create your 🔒 Non sécurisé 192.168.1.148:8080/view/all/newJob

👤 Jenkins Tableau de bord Tous Nouveau Item

Nouveau Item

Saisissez un nom

Select an item type

**Construire un projet free-style**
Job legacy polyvalent qui récupère l'état depuis un outil de gestion de version au plus, exécute les étapes de build en série, suivi d'étapes post-construction telles que l'archivage d'artefacts et l'envoi de notifications par e-mail.

**Pipeline**
Organise des activités de longue durée qui peuvent s'étendre sur plusieurs agents de construction. Adapté pour la création des pipelines (anciennement connues comme workflow) et/ou pour organiser des activités complexes qui ne s'adaptent pas facilement à des tâches de type libre.

**Construire un projet multi-configuration**
Adapté aux projets qui nécessitent un grand nombre de configurations différentes, comme des environnements de test multiples, des binaires spécifiques à une plateforme, etc.

**Dossier**
Crée un conteneur qui stocke des objets imbriqués. Utile pour grouper ensemble des éléments. Contrairement à une vue qui n'est qu'un filtre, un dossier crée un espace de nommage distinct, de sorte que vous pouvez avoir plusieurs éléments du même nom tant qu'ils se trouvent dans des dossiers différents.

**Organization Folder**
Creates a set of multibranch project subfolders by scanning for repositories.

**Pipeline Multibranches**
Crée un ensemble de projets Pipeline en se basant sur les branches détectées dans le dépôt d'un gestionnaire de code source.

Non sécurisé 192.168.0.6.8080/view/all/newJob

AlloSchool Home Introduction à la pr... esprit-fn.com/esbo... Accueil

Jenkins

Tous Nouveau Item

Nouveau Item

Saisissez un nom

ds2

Select an item type

-  **Construire un projet free-style**
Job legacy polyvalent qui récupère l'état depuis un outil de gestion de version au plus, exécute les étapes de build en série, suivi d'étapes post-construction telles que l'archivage d'artefacts et l'envoi de notifications par e-mail.
-  **Pipeline**
Organise des activités de longue durée qui peuvent s'étendre sur plusieurs agents de construction. Adapté pour la création des pipelines (anciennement connus comme workflows) et/ou pour organiser des activités complexes qui ne s'adaptent pas facilement à des tâches de type libre.
-  **Construire un projet multi-configuration**
Adapté aux projets qui nécessitent un grand nombre de configurations différentes, comme des environnements de test multiples, des binaires spécifiques à une plateforme, etc.
-  **Dossier**
Crée un conteneur qui stocke des objets individuels. Utile pour grouper ensemble des éléments. Contrairement à une vue qui n'est qu'un filtre, un dossier crée un espace de nommage distinct, de sorte que vous pouvez avoir plusieurs éléments du même nom tant qu'ils se trouvent dans des dossiers différents.
-  **Organization Folder**
Creates a set of multibranch project subfolders by scanning for repositories.
-  **Pipeline Multibranches**
Crée un ensemble de projets Pipeline en se basant sur les branches détectées dans le dépôt d'un gestionnaire de code source.

OK

16°C
Eclaircies

Rechercher

Non sécurisé 192.168.0.6:8080

AlloSchool Home Introduction à la pr... esprit-tr.com/esbo... Accueil

Jenkins

+ Nouveau Item

Historique des constructions

File d'attente des constructions

État du lanceur de compilations 0/2

Ajouter une description

S	M	Nom du projet	Dernier succès	Dernier échec	Dernière durée	F
		ch2	s. o.	s. o.	ND	

icônes S M L

REST API Jenkins 2.509



Jenkins / ds2



📄 Status

ds2

✎ Ajouter une description

</> Changes

Stage View

▶ Lancer un build

No data available. This Pipeline has not yet run.

⚙️ Configurer

🗑️ Supprimer Pipeline

🔍 Full Stage View

★ Favoris

🌊 Open Blue Ocean

📊 Stages

✎ Renommer

❓ Pipeline Syntax

Liens permanents

Builds



No builds

Blackboard

Courrier - Sa

sarahmahmoudi315

(271) sth

Jenkins va s

ChatGPT - d

Jenkins Plug

ds2 Config

plugin that

Non sécurisé 192.168.0.6:8080/job/ds2/configure

AlloSchool

Home

Introduction à la pi...

esprit-tr.com/esbo...

Accueil

Jenkins

ds2

Configuration

Configurer

Général

Triggers

Pipeline

Advanced

Général

Enabled

Description

Texte brut

Prévisualisation

☐ Ce build a des paramètres

☐ Do not allow concurrent builds

☐ Do not allow the pipeline to resume if the controller restarts

☒ GitHub project

Project url

https://github.com/sarahmahmoudi315/springboot-ci-pipeline.git

Avancé

☐ Pipeline speed/durability override

☐ Preserve stashes from completed builds

☐ Supprimer les anciens builds

☐ Throttle builds

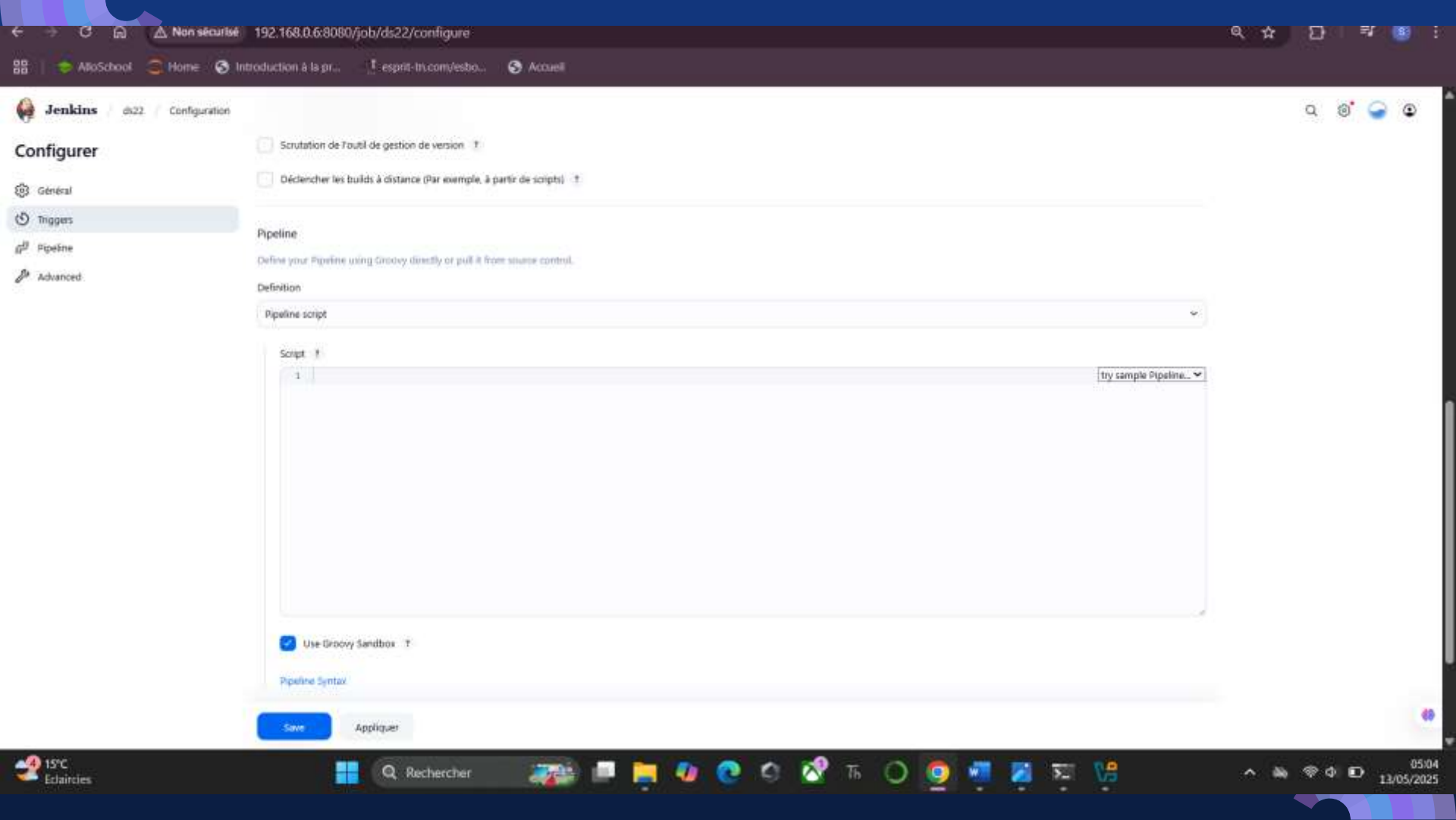
Save

Appliquer

A venir Résultats

Rechercher

04:53 13/05/2025

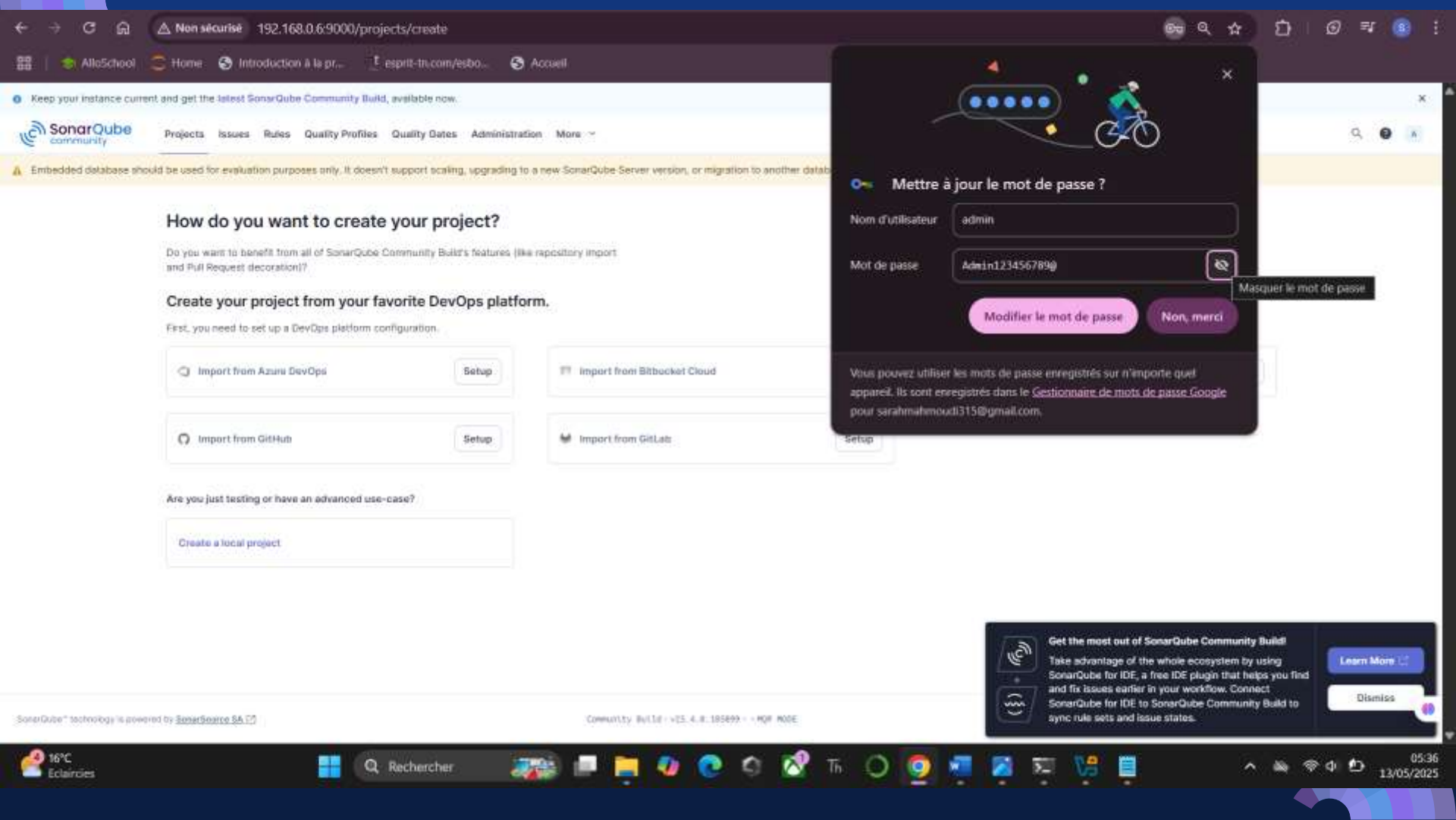




Log in*

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[Go back](#) [Log in](#)



Embedded database should be used for evaluation purposes only. It doesn't support scaling, upgrading to a new SonarQube Server version, or migration to another database.

How do you want to create your project?

Do you want to benefit from all of SonarQube Community Build's features (like repository import and Pull Request decoration)?

Create your project from your favorite DevOps platform.

First, you need to set up a DevOps platform configuration.

Import from Azure DevOps

Setup

Import from Bitbucket Cloud

Import from GitHub

Setup

Import from GitLab

Setup

Are you just testing or have an advanced use-case?

Create a local project

Mettre à jour le mot de passe ?

Nom d'utilisateur

admin

Mot de passe

Admin123456789@



Masquer le mot de passe

Modifier le mot de passe

Non, merci

Vous pouvez utiliser les mots de passe enregistrés sur n'importe quel appareil. Ils sont enregistrés dans le [Gestionnaire de mots de passe Google](#) pour sarahmahmoud315@gmail.com.



Get the most out of SonarQube Community Build!

Take advantage of the whole ecosystem by using SonarQube for IDE, a free IDE plugin that helps you find and fix issues earlier in your workflow. Connect SonarQube for IDE to SonarQube Community Build to sync rule sets and issue states.

Learn More

Dismiss

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Embedded database should be used for evaluation purposes only. It doesn't support scaling, upgrading to a new SonarQube Server version, or migration to another database engine. [Learn more](#)

1 of 2

Create a local project

Project display name *

Project key *

Main branch name *

The name of your project's default branch [Learn More](#)

Cancel Next

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[Learn More](#)

Dismiss

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1 of 2

Create a local project

Project display name *

Project key *

Main branch name *

The name of your project's default branch [Learn More](#)

Cancel Next

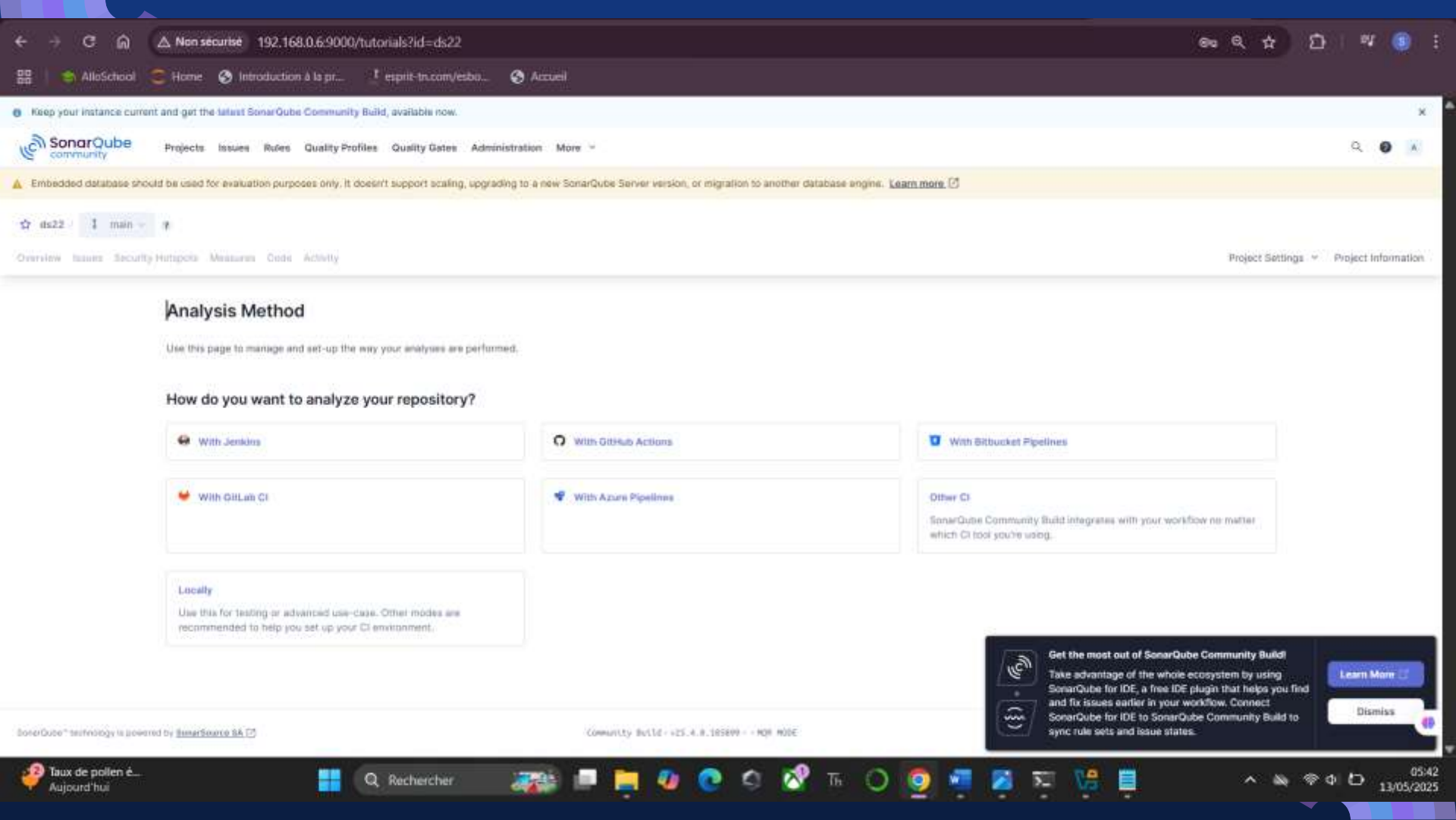


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Take advantage of the whole ecosystem by using SonarQube for IDE, a free IDE plugin that helps you find and fix issues earlier in your workflow. Connect SonarQube for IDE to SonarQube Community Build to sync rule sets and issue states.

[Learn More](#)

Dismiss



Keep your instance current and get the latest SonarQube Community Build, available now.



Projects Issues Rules Quality Profiles Quality Gates Administration More

Search Help User

Embedded database should be used for evaluation purposes only. It doesn't support scaling, upgrading to a new SonarQube Server version, or migration to another database engine. [Learn more](#)

Administration

Configuration Security Projects System Marketplace

Users

Create and administer individual users.

Create User

Search by login Filter by All users

Name	SCM Accounts	Last connection	Last SonarQube for IDE connection ?	Groups	Tokens	Actions
A Administrator admin		< 1 hour ago	Never	2	1	

1 of 1 shown

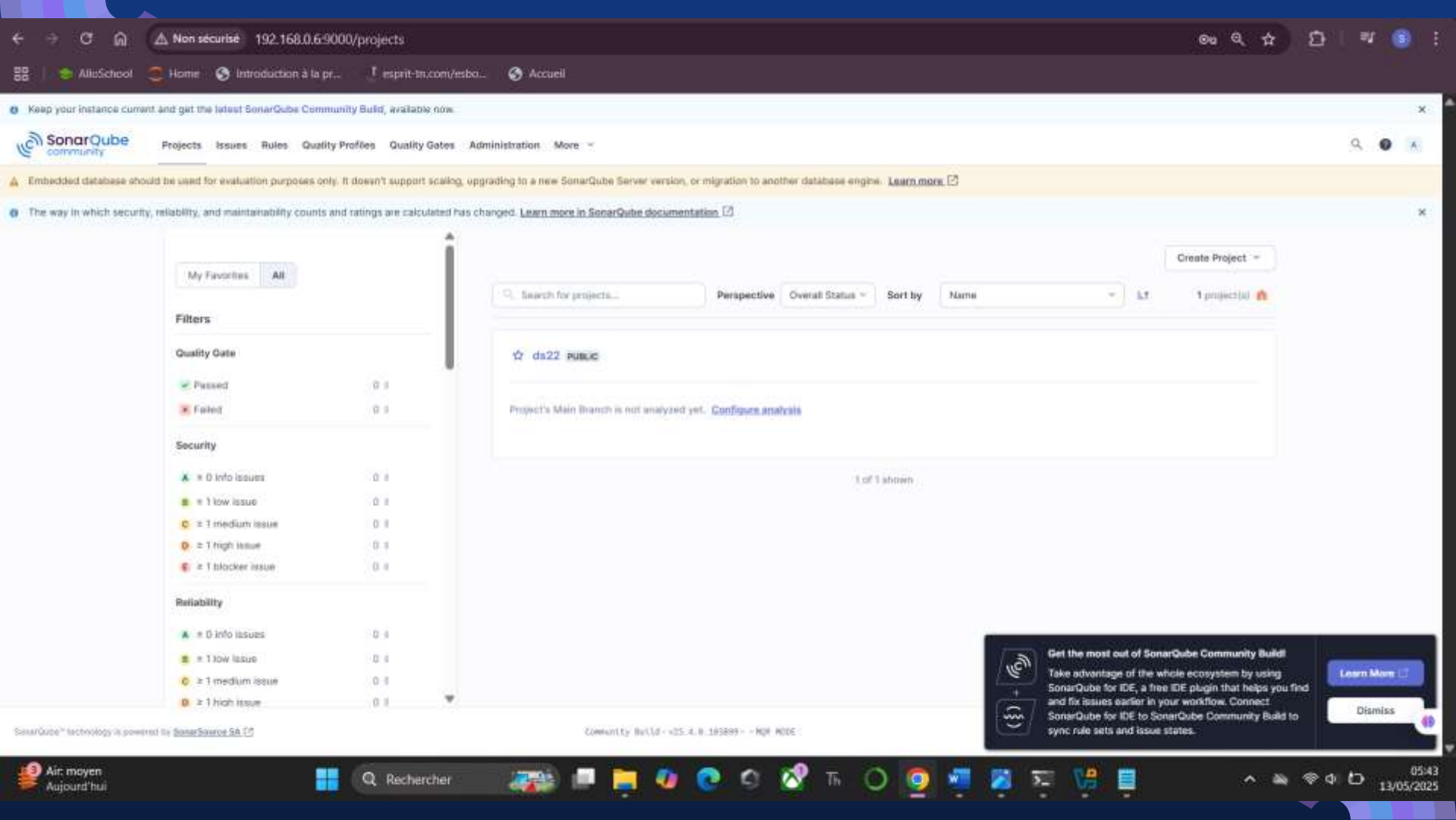
SonarQube™ technology is powered by [SourceSource 8.6](#)

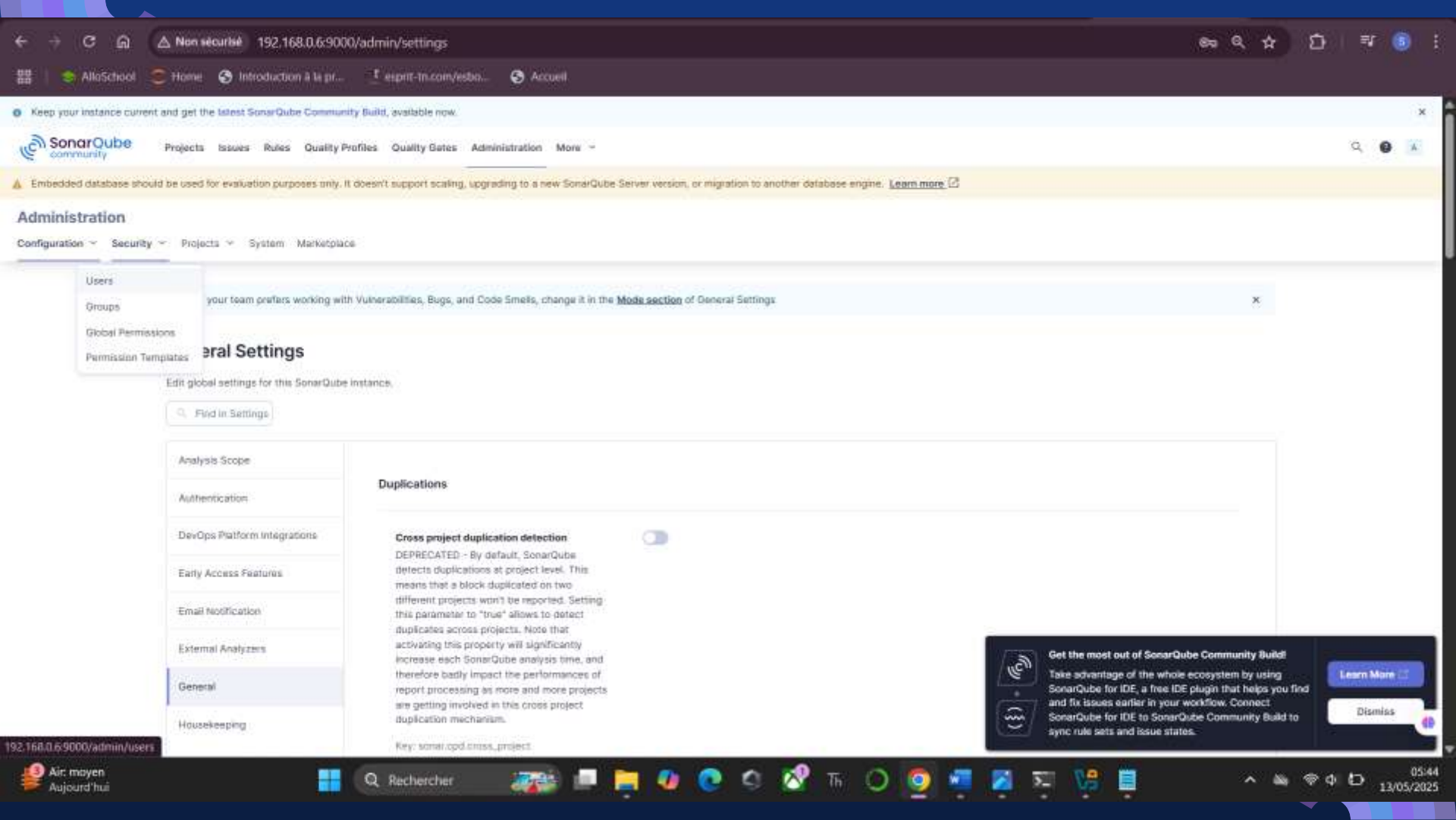
Community Build - v25.4.8.105699 - R08 N05E

Outil Capture d'écran

Capture d'écran copiée dans le Presse-papiers
Enregistrement automatique dans le dossier des captures d'écran.

Partage et collage







are should be used for evaluation purposes only. It doesn't support scaling, upgrading to a new SonarQube Server version, or migration to another database engine. [Learn more](#)

Users

Create and administer individual users.

Search by name Filter by All

Name

A

Administrator
admin

Create User

Tokens

Actions

Tokens of Administrator

Generate Tokens

Name

ds22-token

Expires in

1 year

Generate

Name	Type	Project	Last use	Created	Expiration
------	------	---------	----------	---------	------------

No tokens

Close



Get the most out of SonarQube Community Build!

Take advantage of the whole ecosystem by using SonarQube for IDE, a free IDE plugin that helps you find and fix issues earlier in your workflow. Connect SonarQube for IDE to SonarQube Community Build to sync rule sets and issue states.

Learn More

Download





Configurer



Général



Triggers



Pipeline



Advanced

☐ GitHub hook trigger for GITScm polling ?☐ Scrutation de l'outil de gestion de version ?☐ Déclencher les builds à distance (Par exemple, à partir de scripts) ?

Pipeline

Define your Pipeline using Groovy directly or pull it from source control.

Definition

Pipeline script

Script ?

```
1- pipeline {
2-   agent any
3-
4-   environment {
5-     SONAR_HOST_URL = 'http://192.168.0.6:9000'
6-   }
7-
8-   stages {
9-
10-    stage("Cloner le dépôt") {
11-      steps {
12-        git url: 'https://github.com/sarahshwood1315/springboot-t1-pipeline.git', branch: 'master'
13-      }
14-    }
15-  }
```

try sample Pipeline...

☒ Use Groovy Sandbox ?

Pipeline Syntax

Save

Appliquer



16°C

Eclaircies



Rechercher



05:51

13/05/2025

```
pipeline {
  agent any

  environment {
    SONAR_HOST_URL = 'http://192.168.0.6:9000'
  }

  stages {
    stage('Cloner le dépôt') {
      steps {
        git url: 'https://github.com/sarahmahmoudi315/springboot-ci-pipeline.git', branch: 'master'
      }
    }

    stage('Build Maven') {
      steps {
        sh 'mvn clean install -DskipTests'
      }
    }

    stage('Analyse SonarQube') {
      steps {
        withSonarQubeEnv('ds22-token') {
          sh 'mvn sonar:sonar -Dsonar.projectKey=ds22-sonar-project -Dsonar.host.url=$SONAR_HOST_URL'
        }
      }
    }

    stage('Docker Build') {
      steps {
        sh 'docker build -t.springboot-app:latest .'
      }
    }
  }

  post {
    success {
      echo 'Pipeline terminé avec succès.'
    }
    failure {
      echo 'Échec du pipeline.'
    }
  }
}
```

 Ajouter une description

1000 +

S	M	Nom du projet	Dernier succès	Dernier échec	Dernière durée		F
		ch2	S. G.	52 mn 	6 ms		
		ch22	S. G.	S. G.	ND		

Isomer:	S	M	L
---------	---	---	---

Utiliser les réglages globaux Maven par défaut.

installations JDK

Ajaouter JOK.

JOK

Norm

JAVA_HOME

☐ Install automatically ?

Ajouter JOK

Git installations

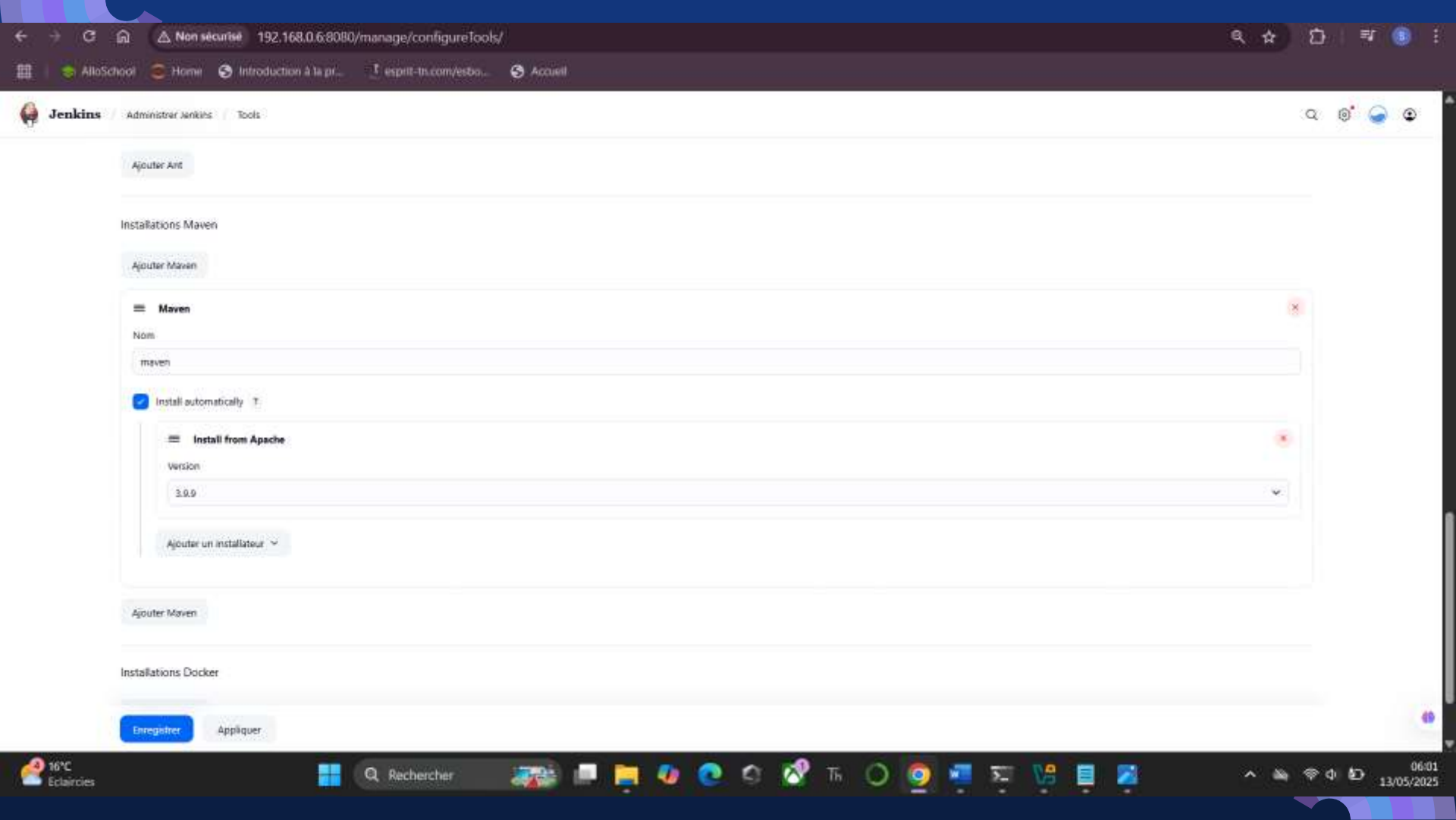
 Git

Name: _____

Default

Enregistrer

Appliquer





If checked, job administrators will be able to inject a SonarQube server configuration as environment variables in the build.

☐ Environment variables

Installations de SonarQube

[Liste des installations de SonarQube](#)

Nom

ds22-token

URL du serveur

Par défaut à <http://localhost:9000>

<http://192.168.0.6:9000>

Server authentication token

SonarQube authentication token. Mandatory when anonymous access is disabled.

- aucun -

+ Ajouter

Avancé ▾

[Ajouter une installation SonarQube](#)

Metrics

Save

Appliquer

 **Jenkins** / Administrer Jenkins / Identifiants / System / Identifiants globaux (limité) 🔍 ⚙️ 🌐 👤

New credentials

Type

Nom d'utilisateur et mot de passe ▾

Portée ⓘ

Global (Jenkins, agents, items, etc.) ▾

Nom d'utilisateur ⓘ

☐ Treat username as secret ⓘ

Mot de passe ⓘ

ID ⓘ

Description ⓘ

[Create](#)

New credentials

Type

Secret text

Portée ⓘ

Global (Jenkins, agents, items, etc...)

Secret

.....

ID ⓘ

ds22-token

Description ⓘ

Create

SonarQube servers

If checked, job administrators will be able to inject a SonarQube server configuration as environment variables in the build.

☐ Environment variables

Installations de SonarQube

Liste des installations de SonarQube

Nom

ds22-token

URL du serveur

Par défaut à `http://localhost:9000``http://192.168.0.6:9000`

Server authentication token

SonarQube authentication tokens. Mandatory when anonymous access is disabled.

ds22-token

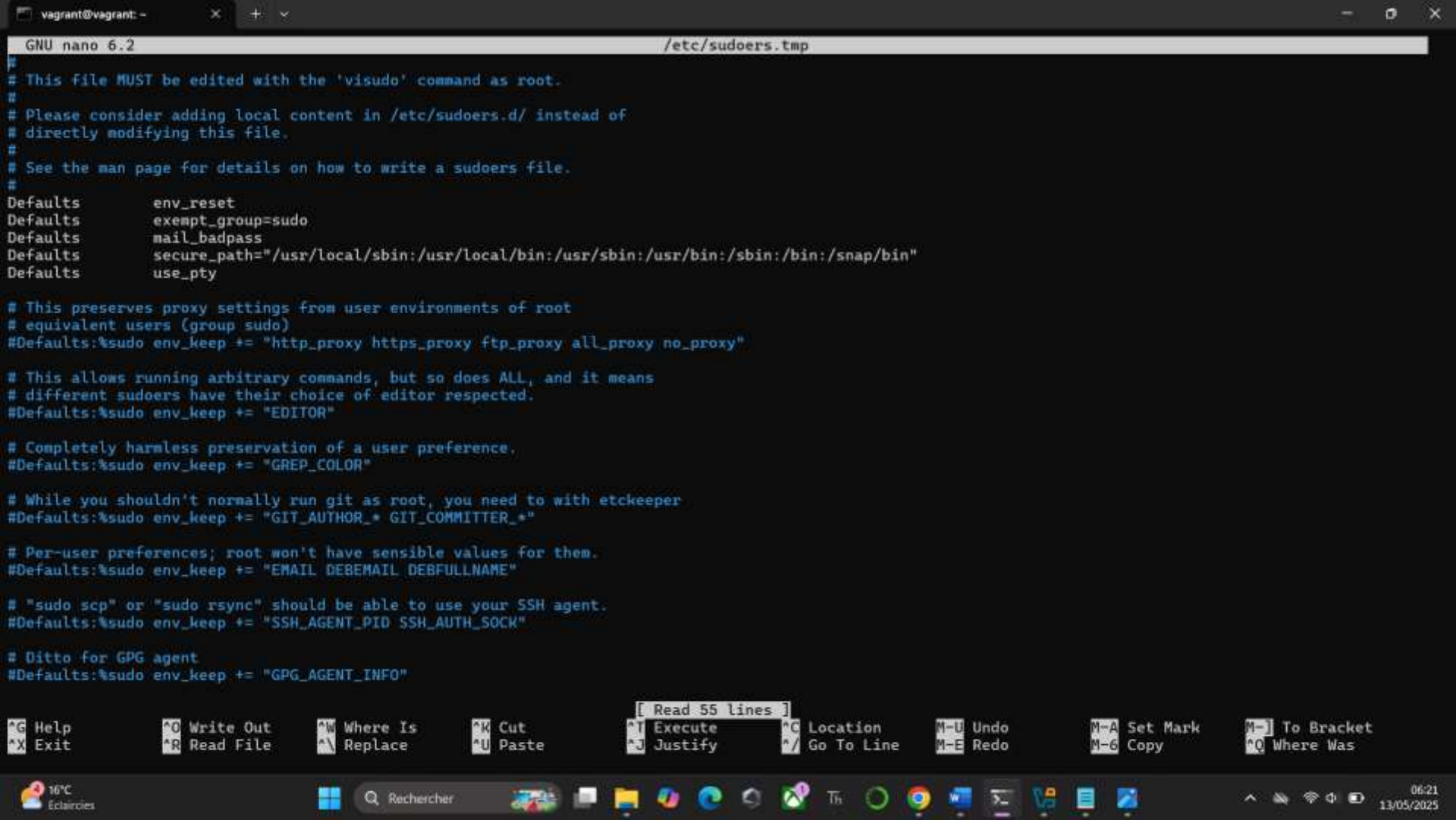
+ Ajouter

Avancé ▾

Ajouter une installation SonarQube

Save

Appliquer



```
#
# This file MUST be edited with the 'visudo' command as root.
#
# Please consider adding local content in /etc/sudoers.d/ instead of
# directly modifying this file.
#
# See the man page for details on how to write a sudoers file.
#
Defaults        env_reset
Defaults        exempt_group=sudo
Defaults        mail_badpass
Defaults        secure_path="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin"
Defaults        use_pty

# This preserves proxy settings from user environments of root
# equivalent users (group sudo)
#Defaults:%sudo env_keep += "http_proxy https_proxy ftp_proxy all_proxy no_proxy"

# This allows running arbitrary commands, but so does ALL, and it means
# different sudoers have their choice of editor respected.
#Defaults:%sudo env_keep += "EDITOR"

# Completely harmless preservation of a user preference.
#Defaults:%sudo env_keep += "GREP_COLOR"

# While you shouldn't normally run git as root, you need to with etckeeper
#Defaults:%sudo env_keep += "GIT_AUTHOR_* GIT_COMMITTER_*"

# Per-user preferences; root won't have sensible values for them.
#Defaults:%sudo env_keep += "EMAIL DEBEMAIL DEBFULLNAME"

# "sudo scp" or "sudo rsync" should be able to use your SSH agent.
#Defaults:%sudo env_keep += "SSH_AGENT_PID SSH_AUTH_SOCK"

# Ditto for GPG agent
#Defaults:%sudo env_keep += "GPG_AGENT_INFO"
```

[Read 55 lines]

^G Help ^O Write Out ^W Where Is ^R Cut ^T Execute ^C Location ^U Undo ^A Set Mark ^] To Bracket
^X Exit ^R Read File ^E Replace ^P Paste ^J Justify ^_ Go To Line ^E Redo ^6 Copy ^Q Where Was



```
jenkins ALL=(ALL) NOPASSWD: ALL
```

```
root    ALL=(ALL:ALL) ALL
```



```
vagrant@vagrant: -  
<script type="module" crossorigin src="/js/main-CbQLDdW6.js"></script>  
<link rel="modulepreload" crossorigin href="/js/vendor-6DxLhnrV.js">  
<link rel="modulepreload" crossorigin href="/js/lodash-CbJiKz-E.js">  
<link rel="modulepreload" crossorigin href="/js/echoes-qrJd0a4U.js">  
<link rel="modulepreload" crossorigin href="/js/date-fns-808x88w8.js">  
<link rel="modulepreload" crossorigin href="/js/highlightjs-DooahNbT.js">  
<link rel="stylesheet" crossorigin href="/css/echoes-8TrI5q6c.css">  
<link rel="stylesheet" crossorigin href="/css/main-8NAnh7ty.css">  
</head>  
  
<body>  
  <div  
    id="content"  
    data-base-url=""  
    data-server-status="UP"  
    data-instance="SonarQube"  
    data-official="true"  
  >  
    <div class="global-loading">  
      <i class="global-loading-spinner"></i>  
      <span aria-live="polite" class="global-loading-text">Loading...</span>  
    </div>  
  </div>  
</body>  
</html>  
  
vagrant@vagrant:~$ curl -u admin:admin -X POST "http://localhost:9000/api/user_tokens/generate?name=jenkins-token"  
vagrant@vagrant:~$  
vagrant@vagrant:~$ 7-openjdk-amd64/  
vagrant@vagrant:~$ sudo visudo  
vagrant@vagrant:~$ sudo -u jenkins whoami  
jenkins  
vagrant@vagrant:~$ |
```

```

vagrant@vagrant: -
<link rel="modulepreload" crossorigin href="/js/highlightjs-DooahNbT.js">
<link rel="stylesheet" crossorigin href="/css/echoes-8TrI5q6c.css">
<link rel="stylesheet" crossorigin href="/css/main-BNAnh7ty.css">
</head>

<body>
  <div
    id="content"
    data-base-url=""
    data-server-status="UP"
    data-instance="SonarQube"
    data-official="true"
  >
    <div class="global-loading">
      <i class="global-loading-spinner"></i>
      <span aria-live="polite" class="global-loading-text">Loading...</span>
    </div>
  </div>
</body>
</html>

vagrant@vagrant:~$ curl -u admin:admin -X POST "http://localhost:9000/api/user_tokens/generate?name=jenkins-token"
vagrant@vagrant:~$
vagrant@vagrant:~$ 7-openjdk-amd64/
vagrant@vagrant:~$ sudo visudo
vagrant@vagrant:~$ sudo -u jenkins whoami
jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ ps aux | grep jenkins
jenkins   13697 37.1 18.3 3135600 360012 ?        Ssl  05:27   1:17 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/ca
che/jenkins/war --httpPort=8080
vagrant   13811  0.0  0.1   6480   2408 pts/0    S+   05:30   0:00 grep --color=auto jenkins
vagrant@vagrant:~$ sudo usermod -aG docker jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
springboot-app      latest              ccc80246cd34       4 minutes ago      202MB
<none>               <none>              64522c04d570       7 minutes ago      466MB
eclipse-temurin     17-jre-alpine      2d3f08ebfda1       2 weeks ago        180MB
sonarqube            latest              e3614eb70b40       5 weeks ago        1.22GB
maven                3.9-eclipse-temurin-17-alpine 67c8876993d0       8 months ago       351MB
vagrant@vagrant:~$

```

Keep your instance current and get the latest SonarQube Community Build, available now.

✕



Projects Issues Rules Quality Profiles Quality Gates Administration More ▾

🔍 ⓘ 🌐

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The way in which security, reliability, and maintainability counts and ratings are calculated has changed. [Learn more in SonarQube documentation](#)

✕

My Favorites

All

Filters

Quality Gate

Passed

1

Failed

0

Security

0 Info Issues

1

0 Low Issue

0

0 Medium Issue

0

0 High Issue

0

0 Blocker Issue

0

Reliability

0 Info Issues

1

0 Low Issue

0

0 Medium Issue

0

0 High Issue

0

Perspective

Overall Status ▾

Sort by

Name ▾

5.1

2 project(s) 🗂

☆ demo PUBLIC

✓ Passed

Last analysis: 17 minutes ago · 75 Lines of Code · XML, Java

A 0

Security

A 0

Reliability

A 0

Maintainability

A —

Hotspots Reviewed

0.0%

Coverage

0.0%

Duplications

☆ dx22 PUBLIC

Project's Main Branch is not analyzed yet. [Configure analysis](#)

2 of 2 shown



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Take advantage of the whole ecosystem by using SonarQube for IDE, a free IDE plugin that helps you find and fix issues earlier in your workflow. Connect SonarQube for IDE to SonarQube Community Build to sync rule sets and issue states.

[Learn More](#)

Dismiss

✕



```

May 13 00:40:06 vagrant dockerd[1325]: time="2025-05-13T00:40:06.293955669Z" level=info msg="detected 127.0.0.53 nameserver, assuming systemd-resolved, so
May 13 00:40:07 vagrant dockerd[1325]: time="2025-05-13T00:40:07.175929768Z" level=info msg="[graphdriver] using prior storage driver: overlay2"
May 13 00:40:07 vagrant dockerd[1325]: time="2025-05-13T00:40:07.257584989Z" level=info msg="Loading containers: start."
May 13 00:40:09 vagrant dockerd[1325]: time="2025-05-13T00:40:09.250802122Z" level=info msg="Default bridge (docker0) is assigned with an IP address 172.17.0.2"
May 13 00:40:09 vagrant dockerd[1325]: time="2025-05-13T00:40:09.819424820Z" level=info msg="Loading containers: done."
May 13 00:40:10 vagrant dockerd[1325]: time="2025-05-13T00:40:10.040895277Z" level=info msg="Docker daemon" commit="26.1.3-0ubuntu1~22.04.1" containerd-snap
May 13 00:40:10 vagrant dockerd[1325]: time="2025-05-13T00:40:10.041975677Z" level=info msg="Daemon has completed initialization"
May 13 00:40:10 vagrant systemd[1]: Started Docker Application Container Engine.
May 13 00:40:10 vagrant dockerd[1325]: time="2025-05-13T00:40:10.263997866Z" level=info msg="API listen on /run/docker.sock"
vagrant@vagrant:~$ curl http://192.168.1.148:9000
curl: (7) Failed to connect to 192.168.1.148 port 9000 after 21015 ms: Connection refused
vagrant@vagrant:~$ sudo systemctl status sonarqube
Unit sonarqube.service could not be found.
vagrant@vagrant:~$ sudo systemctl list-units --type=service | grep sonar
vagrant@vagrant:~$ sudo find / -type d -name "sonarqube" 2>/dev/null
/var/lib/docker/overlay2/c3d0eb20bbe80eb917273e028d6ab70e019875dcce9995d782ecdd974b5d9656/diff/opt/sonarqube
/var/lib/docker/overlay2/5935b40da16dcd5cc18807ef6ff1b21866c00856e75d77687eadc5e8990feed7/diff/opt/sonarqube
vagrant@vagrant:~$ docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS          PORTS                               NAMES
66e7a6eddde2   sonarqube     "/opt/sonarqube/dock..." 8 days ago    Exited (255) 7 days ago             0.0.0.0:9000->9000/tcp, :::9000->9000/tcp   sonarqube
vagrant@vagrant:~$ docker start sonarqube
sonarqube
vagrant@vagrant:~$ docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS          PORTS                               NAMES
66e7a6eddde2   sonarqube     "/opt/sonarqube/dock..." 8 days ago    Up 9 seconds    0.0.0.0:9000->9000/tcp, :::9000->9000/tcp   sonarqube
vagrant@vagrant:~$ curl http://localhost:9000
curl: (56) Recv failure: Connection reset by peer
vagrant@vagrant:~$ docker logs sonarqube --tail 50
2025.05.04 14:25:34 INFO web[][o.s.s.p.PlatformLevelStartup] Running Community Edition
2025.05.04 14:25:34 INFO app[][o.s.a.SchedulerImpl] Process[web] is up
2025.05.04 14:25:34 WARN app[][startup] #####
#####
2025.05.04 14:25:34 WARN app[][startup] Default Administrator credentials are still being used. Make sure to c
the account.
2025.05.04 14:25:34 WARN app[][startup] #####
#####

```

Outil Capture d'écran

Capture d'écran copiée dans le Presse-papiers
Enregistrement automatique dans le dossier des captures d'écran.

Balises et partage

Status

ds22

Ajouter une description

Changes

Lancer un build

Configurer

Supprimer Pipeline

Full Stage View

GitHub

Favorites

Open Blue Ocean

Stages

Renommer

Pipeline Syntax

Stage View



Builds

Filter

- Today
- #3 05:46
 - #2 05:37
 - #1 05:34

Liens permanents

- Dernier build (#2), il y a 9 mn 17 s
- Dernier build en échec (#2), il y a 9 mn 17 s
- Dernier build non réussi (#2), il y a 9 mn 17 s
- Dernier build completé (#2), il y a 9 mn 17 s

Outil Capture d'écran

Capture d'écran copiée dans le Presse-papiers
Enregistrement automatique dans le dossier des captures d'écran.

Balise et partage

```
vagrant@vagrant: - x + -
</body>
</html>
vagrant@vagrant:~$ curl -u admin:admin -X POST "http://localhost:9000/api/user_tokens/generate?name=jenkins-token"
vagrant@vagrant:~$
vagrant@vagrant:~$ 7-openjdk-amd64/
vagrant@vagrant:~$ sudo visudo
vagrant@vagrant:~$ sudo -u jenkins whoami
jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ ps aux | grep jenkins
jenkins   13697 37.1 18.3 3135600 360012 ?        Ssl  05:27   1:17 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --web
root=/var/cache/jenkins/war --httpPort=8080
vagrant   13811  0.0  0.1   6480   2408 pts/0    S+   05:30   0:00 grep --color=auto jenkins
vagrant@vagrant:~$ sudo usermod -aG docker jenkins
vagrant@vagrant:~$ sudo systemctl restart jenkins
vagrant@vagrant:~$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
springboot-app      latest             ccc80246cd34       4 minutes ago      202MB
<none>              <none>            64522c04d570       7 minutes ago      466MB
eclipse-temurin     17-jre-alpine     2d3f08ebfda1       2 weeks ago        180MB
sonarqube            latest            e3614eb70b40       5 weeks ago        1.22GB
maven                3.9-eclipse-temurin-17-alpine 67c8876993d0       8 months ago       351MB
vagrant@vagrant:~$ docker inspect springboot-app:latest
[
  {
    "Id": "sha256:ccc80246cd3455579c03a21c676bd97f5c948c64882e24b2feb00545a1092749",
    "RepoTags": [
      "springboot-app:latest"
    ],
    "RepoDigests": [],
    "Parent": "sha256:0216250c074840f54ec3fcd5dd30495fa0c9eef9c9cb5392b8cd5e0d94c25195",
    "Comment": "",
    "Created": "2025-05-13T06:02:24.436167546Z",
    "DockerVersion": "26.1.3",
    "Author": "",
    "Config": {
      "Hostname": "",
      "Domainname": "",
```

Outil Capture d'écran

Capture d'écran copiée dans le Presse-papiers
Enregistrement automatique dans le dossier des
captures d'écran.

Balises et partage

