

1- Install jenkins with docker image

The screenshot shows the Docker Playground interface. On the left, there's a sidebar with a clock showing 03:52:32, a 'CLOSE SESSION' button, and an 'Instances' section. Below it, there's a '+ ADD NEW INSTANCE' button and a list of instances, including '192.168.0.28 node1'. The main area displays details for the instance 'c5e0c87n_c5e0cannjsv000dgi0k0'. It shows the IP '192.168.0.28', an 'OPEN PORT' button for port '8080', and resource usage: 'Memory 47.09% (1.839GiB / 3.906GiB)' and 'CPU 0.48%'. An SSH command is provided: 'ssh ip172-18-0-12-c5e0c87njsv000dgi0j0@direct.labs.play-with-dc'. Below this, there are 'DELETE' and 'EDITOR' buttons. A terminal window at the bottom shows the command 'docker container run -d -p 8080:8080 jenkins/jenkins:lts' and its output, which includes pulling the image and listing various layers.

2- Install role-based authorization plugin

The screenshot shows the Jenkins Plugin Manager interface. The top navigation bar includes 'Dashboard', 'Plugin Manager', and a search bar. The left sidebar has 'Back to Dashboard' and 'Manage Jenkins' links. The main content area shows a list of installed plugins under the 'Installed' tab. The list includes 'Caffeine API Plugin', 'Matrix Authorization Strategy Plugin', 'Pipeline: SCM Step', 'Role-based Authorization Strategy', and 'Script Security Plugin'. Each plugin entry shows its name, version, and an 'Uninstall' button. The 'Role-based Authorization Strategy' plugin is highlighted.

Enabled	Name	Version	Previously installed version	Uninstall
<input checked="" type="checkbox"/>	Caffeine API Plugin Caffeine api plugin for use by other Jenkins plugins.	2.9.2-29.v717aac953ff3		Uninstall
<input checked="" type="checkbox"/>	Matrix Authorization Strategy Plugin Offers matrix-based security authorization strategies (global and per-project).	2.6.8		Uninstall
<input checked="" type="checkbox"/>	Pipeline: SCM Step Adds a Pipeline step to check out or update working sources from various SCMs (version control).	2.13		Uninstall
<input checked="" type="checkbox"/>	Role-based Authorization Strategy Enables user authorization using a Role-Based strategy. Roles can be defined globally or for particular jobs or nodes selected by regular expressions.	3.2.0		Uninstall
<input checked="" type="checkbox"/>	Script Security Plugin	1.78		Uninstall

3- Create new user

Jenkins Assign Roles

Global roles

User/group	admin	juniors
mohamed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Anonymous	<input type="checkbox"/>	<input type="checkbox"/>
omar	<input type="checkbox"/>	<input checked="" type="checkbox"/>

User/group to add: Add

Item roles

User/group
Anonymous

4- Create read role and assign it to the new user

Jenkins Manage Roles

Global roles

Role	Overall	Credentials	Agent	Job	Run
admin	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
juniors	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Role to add: Add

Item roles

Role	Pattern	Credentials	Job	Run	SCM	Lockable Resources
admin	*/	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
juniors	*/	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5- Create free style pipeline and link it to a private repo (echo Hello world)

what are the three boole... Live session 29 | Sprints MohamedNour95/private Docker Playground private git Config [Jenkin... Jenkins » Credentials [Jen... + - □ ×

← → ↻ ↗ ip172-18-0-67-c5epq3fnjsv000ejmn90-8080.direct.labs.play-with-docker.com/job/private%20git/configure ☆ ⌵ ⌵ ⌵

Dashboard > private git >

General Source Code Management Build Triggers Build Environment Build Post-build Actions

Git

Repositories

Repository URL

https://github.com/MohamedNour95/private.git

Failed to connect to repository : Command "git ls-remote -h -- https://github.com/MohamedNour95/private.git HEAD" returned status code 128:
stdout:
stderr: remote: Support for password authentication was removed on August 13, 2021. Please use a personal access token instead.
remote: Please see https://github.blog/2020-12-15-token-authentication-requirements-for-git-operations/ for more information.
fatal: Authentication failed for 'https://github.com/MohamedNour95/private.git/'

Credentials

- none - Add

Advanced... Add Repository

Branches to build

Save Apply

Windows taskbar: 3:15 PM 10/6/2021

what are the three boole... Live session 29 | Sprints private/Dir at main - Moh Docker Playground private git Config [Jenkin... Jenkins » Credentials [Jen... + - □ ×

← → ↻ ↗ ip172-18-0-67-c5epq3fnjsv000ejmn90-8080.direct.labs.play-with-docker.com/job/private%20git/configure ☆ ⌵ ⌵ ⌵

Dashboard > private git >

General Source Code Management Build Triggers Build Environment Build Post-build Actions

☐ Delete workspace before build starts
☐ Use secret text(s) or file(s)
☐ Abort the build if it's stuck
☐ Add timestamps to the Console Output
☐ Inspect build log for published Gradle build scans
☐ With Ant

Build

Execute shell

Command

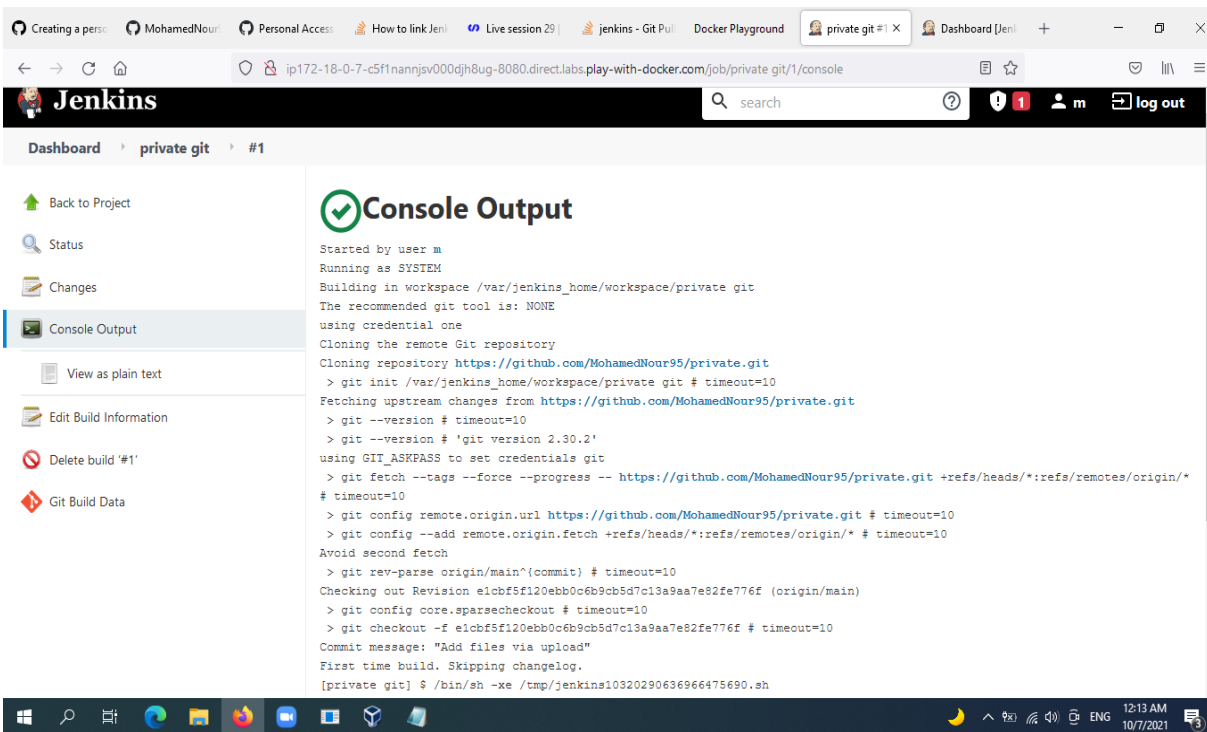
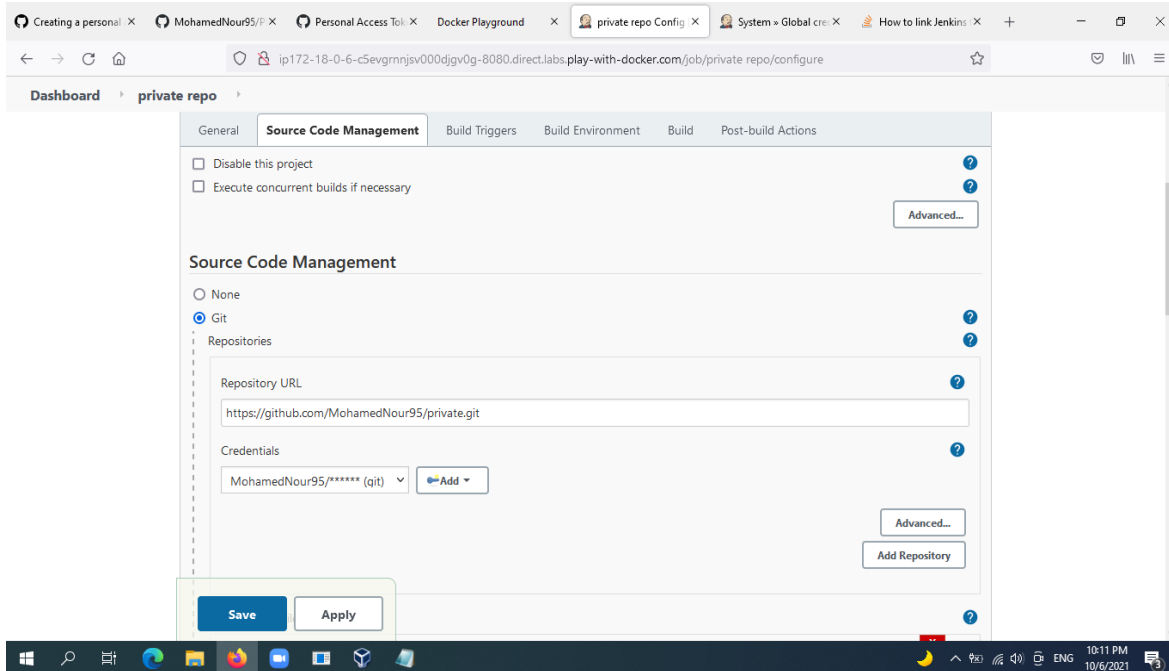
```
ls  
cd Dir  
cat Text Document.txt
```

See the list of available environment variables

Advanced...

Save Apply

Windows taskbar: 3:20 PM 10/6/2021



Creating a perso MohamedNouri Personal Access How to link Jeni Live session 29 Jenkins - Git Pull Docker Playground private git #1 Dashboard [Jeni]

ip172-18-0-7-c5f1nannjsv000djh8ug-8080.direct.labs.play-with-docker.com/job/private git/1/console

Dashboard > private git > #1

- View as plain text
- Edit Build Information
- Delete build '#1'
- Git Build Data

```
Cloning repository https://github.com/MohamedNour95/private.git
> git init /var/jenkins_home/workspace/private git # timeout=10
Fetching upstream changes from https://github.com/MohamedNour95/private.git
> git --version # timeout=10
> git --version # 'git version 2.30.2'
using GIT_ASKPASS to set credentials git
> git fetch --tags --force --progress -- https://github.com/MohamedNour95/private.git +refs/heads/*:refs/remotes/origin/*
# timeout=10
> git config remote.origin.url https://github.com/MohamedNour95/private.git # timeout=10
> git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
> git rev-parse origin/main^{commit} # timeout=10
Checking out Revision e1cbf5f120ebb0c6b9cb5d7c13a9aa7e82fe776f (origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f e1cbf5f120ebb0c6b9cb5d7c13a9aa7e82fe776f # timeout=10
Commit message: "Add files via upload"
First time build. Skipping changelog.
[private git] $ /bin/sh -xe /tmp/jenkins10320290636966475690.sh
+ ls
Dir
+ mkdir dir
+ cd dir
+ touch file
+ echo Hello world
Finished: SUCCESS
```

REST API Jenkins 2.303.2

Windows taskbar: 12:13 AM 10/7/2021

Creating a perso MohamedNouri Personal Access How to link Jeni Live session 29 Jenkins - Git Pull Docker Playground ip172-18-0-7-c5f1nannjsv000djh8ug-8080.direct.labs.play-with-docker.com/job/private git/ws/Dir/Text Document.txt Dashboard [Jeni]

ip172-18-0-7-c5f1nannjsv000djh8ug-8080.direct.labs.play-with-docker.com/job/private git/ws/Dir/Text Document.txt

Hello world !

Windows taskbar: 12:14 AM 10/7/2021