

1. Jenkins pipeline source code published in a Github repository.

https://github.com/vitale-t/Linux_Users_Jenkins_Automation.git

2. Detailed guide on how to use the job published.

Assuming you have the attached repository cloned, with Jenkins installed on your device, and correctly configured, we will move on to the detailed guide on how to use the job.

The first screenshot shows the Jenkins 'Panel de Control' (Dashboard) with a table of jobs. The job 'Linux_Users_Jenkins_Automation' is highlighted with a red box.

S	W	Nombre	Último Éxito	Último Fallo	Última Duración	F
		Linux_Users_Jenkins_Automation	N/D	N/D	N/D	☆

The second screenshot shows the configuration page for 'Linux_Users_Jenkins_Automation'. The job is highlighted with a red box.

S	W	Nombre	Último Éxito	Último Fallo	Última Duración	F
		Pipeline-Linux_Users_Jenkins_Automation	11 Min #23	3 Hor 54 Min #19	3 Min 35 Seg	🟢 ☆

The third screenshot shows the 'Pipeline-Linux_Users_Jenkins_Automation' page. The 'Open Blue Ocean' button is highlighted with a red box.

Full project name: Linux_Users_Jenkins_Automation/Pipeline-Linux_Users_Jenkins_Automation
Pipeline-Linux_Users_Jenkins_Automation-Declarative pipeline in Jenkins that allows us to create users within a Linux system.

Enlaces permanentes

- "Última ejecución (#24) hace 2 Min 34 Seg"
- "Última ejecución estable (#23) hace 12 Min"
- "Última ejecución correcta (#23) hace 12 Min"
- "Última ejecución fallida (#19) hace 3 Hor 54 Min"
- "Última ejecución fallida (#24) hace 2 Min 34 Seg"
- "Last completed build (#24) hace 2 Min 34 Seg"

The fourth screenshot shows the 'Pipeline-Linux_Users_Jenkins_Automation' page with the 'Iniciar' button highlighted with a red box.

The fifth screenshot shows the 'Pipeline-Linux_Users_Jenkins_Automation' page with the 'Iniciar' button highlighted with a red box.

ESTADO	BUILD	COMMIT	MENSAJE	DURACIÓN	FINALIZADO
🟢	25	-	Lanzada por el usuario admin	6s	-

Linux_Users_Jenkins_Automation / Pipeline-Linux_Users_Jenkins_Automation < 25

Range: -- 49% No hay modificaciones Lanzada por el usuario admin

Commit: --



Operator - 47s

> Check out from version control

II > Wait for interactive input

Operator Login:

Operator

Operator 1

Proceed Cancelar

Linux_Users_Jenkins_Automation / Pipeline-Linux_Users_Jenkins_Automation < 25

Range: -- 43% No hay modificaciones Lanzada por el usuario admin

Commit: --



Create Groups and Users - 8s

> sudo groupadd Accounting || true -- Shell Script

> sudo groupadd Finance || true -- Shell Script

> sudo groupadd Technology || true -- Shell Script

II > Wait for interactive input

First Name:

First Name

Tesla

Proceed Cancelar

Linux_Users_Jenkins_Automation / Pipeline-Linux_Users_Jenkins_Automation < 25

Range: -- 43% No hay modificaciones Lanzada por el usuario admin

Commit: --



Create Groups and Users - 25s

> sudo groupadd Accounting || true -- Shell Script

> sudo groupadd Finance || true -- Shell Script

> sudo groupadd Technology || true -- Shell Script

> Wait for interactive input

II > Wait for interactive input

Last Name:

Last Name

Tesla

Proceed Cancelar

Linux_Users_Jenkins_Automation / Pipeline-Linux_Users_Jenkins_Automation < 25

Range: -- 43% No hay modificaciones Lanzada por el usuario admin

Commit: --



Create Groups and Users - 33s

> sudo groupadd Accounting || true -- Shell Script

> sudo groupadd Finance || true -- Shell Script

> sudo groupadd Technology || true -- Shell Script

> Wait for interactive input

> Wait for interactive input

II > Wait for interactive input

Department:

Accounting

Finance

Technology

Proceed Cancelar

Linux_Users_Jenkins_Automation / Pipeline-Linux_Users_Jenkins_Automation < 25

Range: -- 21% No hay modificaciones Lanzada por el usuario admin

Commit: -- a few seconds ago



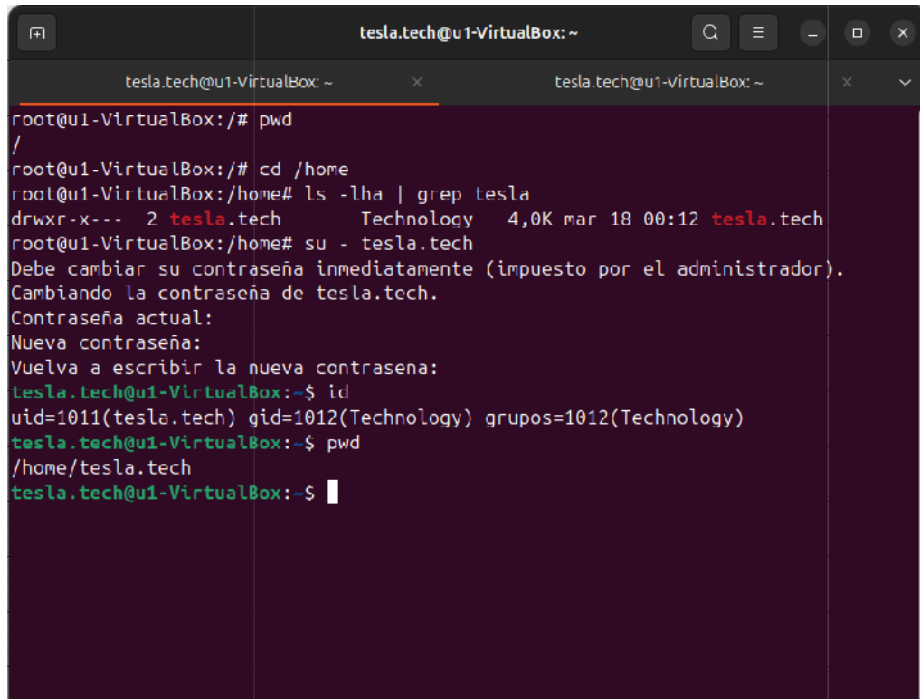
Display Information - 1s

> ----- Operator: Operator 1 User: Tesla.tech Department: Technology Temporary Password: YhU4Y2FNDQD ----- -- Print Message

Restart Display Information

3. Evidence of successful testing.

Local:



```
tesla.tech@u1-VirtualBox: ~
root@u1-VirtualBox:/# pwd
/
root@u1-VirtualBox:/# cd /home
root@u1-VirtualBox:/home# ls -lha | grep tesla
drwxr-x--- 2 tesla.tech Technology 4,0K mar 18 00:12 tesla.tech
root@u1-VirtualBox:/home# su - tesla.tech
Debe cambiar su contraseña inmediatamente (impuesto por el administrador).
Cambiando la contraseña de tesla.tech.
Contraseña actual:
Nueva contraseña:
Vuelva a escribir la nueva contraseña:
tesla.tech@u1-VirtualBox:~$ id
uid=1011(tesla.tech) gid=1012(Technology) grupos=1012(Technology)
tesla.tech@u1-VirtualBox:~$ pwd
/home/tesla.tech
tesla.tech@u1-VirtualBox:~$
```

Pipeline_Execution_Log:

```
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
using credential Linux_Users_Jenkins_Automation
> git rev-parse --resolve-git-dir
/var/lib/jenkins/workspace/Linux_Users_Jenkins_Automation/Pipeline-
Linux_Users_Jenkins_Automation@2/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/vitale-
t/Linux_Users_Jenkins_Automation.git # timeout=10
Fetching upstream changes from https://github.com/vitale-
t/Linux_Users_Jenkins_Automation.git
> git --version # timeout=10
> git --version # 'git version 2.36.1'
using GIT_ASKPASS to set credentials Token
> git fetch --tags --force --progress -- https://github.com/vitale-
t/Linux_Users_Jenkins_Automation.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision 100bf2e0c2602085b6a6370cc1174551e8e44530 (refs/remotes/origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f 100bf2e0c2602085b6a6370cc1174551e8e44530 # timeout=10
Commit message: "README.md"
> git rev-list --no-walk 100bf2e0c2602085b6a6370cc1174551e8e44530 # timeout=10
Input requested
Approved by admin

+ sudo groupadd Accounting
groupadd: el grupo «Accounting» ya existe
+ true
+ sudo groupadd Finance
groupadd: el grupo «Finance» ya existe
+ true
+ sudo groupadd Technology
groupadd: el grupo «Technology» ya existe
+ true
Input requested
Approved by admin
Input requested
Approved by admin
Input requested
Approved by admin
+ sudo useradd -m -s /bin/bash -c Tesla Tech -g Technology tesla.tech
+ date +%s
+ sha256sum
+ head -c 12
+ base64
+ sudo chpasswd
+ echo tesla.tech:****
+ sudo passwd -e tesla.tech
passwd: contraseña cambiada.

=====
Operator: Operador 1
User: Tesla.tech
Department: Technology
Temporary Password: ****
=====
```

4. Diagram:

