






S


**Jenkins**

Пошук (CTRL+K)





 **1**


 **admin** 


 **Вийти**


Dashboard >


 Новий Item

 Люди


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 Manage Jenkins


 My Views

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Статус виконавців побудов 

1 Вільно

 додати опис

## Ласкаво просимо у Дженкінс!

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 →

```
C:\WINDOWS\system32>netstat -a -n -o | grep 8080

C:\WINDOWS\system32>service jenkins restart
'service' is not recognized as an internal or external command,
operable program or batch file.

C:\WINDOWS\system32>jenkins.exe stop
'jenkins.exe' is not recognized as an internal or external command,
operable program or batch file.

C:\WINDOWS\system32>net stop jenkins
The Jenkins service is not started.

More help is available by typing NET HELPMSG 3521.

C:\WINDOWS\system32>net start jenkins
The Jenkins service is starting.
The Jenkins service was started successfully.

C:\WINDOWS\system32>
```

## Create key pair



Key pairs allow you to connect to your instance securely.

Enter the name of the key pair below. When prompted, store the private key in a secure and accessible location on your computer. **You will need it later to connect to your instance.** [Learn more](#)

Key pair name

The name can include upto 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type



RSA

RSA encrypted private and public key pair



ED25519

ED25519 encrypted private and public key pair (Not supported for Windows instances)

Private key file format



.pem

For use with OpenSSH



.ppk

For use with PuTTY

Cancel

Create key pair

Desktop

FileHomeShareView

Pin to Quick accessCopyCopy PasteCutCopy pathPaste shortcutClipboard

Move toCopy toDeleteRenameNew folderNew itemEasy accessOrganizeNew

PropertiesOpenSelect allSelect noneInvert selectionSelect

OpenEditHistory

←→↶↷⬆⬇⬆⬇

This PC > Local Disk (C:) > Users > Taras > Desktop >

↕↻

Search Desktop

★ Quick access

Desktop

Documents

Downloads

Pictures

Programming

TarasNULP

NULP

Usefull

Events

OneDrive

This PC

3D Objects

Desktop

Documents

Downloads

Music

Pictures

Videos

Local Disk (C:)

Local Disk (D:)

Новий том (E:)

Network

Name	Date modified	Type	Size
EPAM	2/8/2023 6:44 PM	File folder	
Events	2/9/2023 2:11 AM	File folder	
Fun	2/12/2023 11:25 PM	File folder	
GIF	12/13/2022 10:40 PM	File folder	
MP3	1/9/2023 1:05 PM	File folder	
MP4	1/2/2023 11:31 PM	File folder	
NULP	11/16/2022 10:22 PM	File folder	
Programming	2/8/2023 11:23 PM	File folder	
shared_folder	1/27/2023 11:40 PM	File folder	
TarasNULP	8/22/2022 10:48 PM	File folder	
TO_SAPR_THIRD_LAB	11/8/2022 2:43 PM	File folder	
Usefull	12/21/2022 5:46 PM	File folder	
WindowsFormsApp3	11/29/2022 9:38 PM	File folder	
Водіння	7/12/2022 8:33 PM	File folder	
фотомемі	9/4/2022 12:57 PM	File folder	
1 - Chrome	9/25/2022 6:09 PM	Shortcut	3 KB
4(end).SLDPRT	8/26/2022 1:52 PM	SLDPRT File	126 KB
4(end)1.SLDPRT	8/26/2022 2:04 PM	SLDPRT File	136 KB
800hmonsteam(approximate_address_ho...	2/10/2023 5:46 PM	Microsoft Edge P...	68 KB
AWS_CLI_S3_admin_accessKeys	2/2/2023 12:43 PM	Microsoft Excel C...	1 KB
bonjoursdksetup	10/5/2022 9:12 PM	Application	8,547 KB
Code	12/18/2022 1:03 PM	Apxis ZIP - WinRAR	866 KB
CV_DevOps(7_L1)_Lv_Taras_Syrotynskyi	2/10/2023 12:05 AM	Microsoft Edge P...	420 KB
FileZilla_3.63.1_win64_sponsored2-setup	1/30/2023 5:01 PM	Application	12,282 KB
FinalCV	2/10/2023 12:04 AM	Microsoft Word D...	75 KB
FullEndVersionSyrotynskyTOSAPRLab4.m...	11/24/2022 10:20 PM	MLAPP File	43 KB
GitHub Desktop	2/7/2023 2:23 PM	Shortcut	3 KB
GitHubDesktopSetup-x64	1/30/2023 10:11 PM	Application	124,190 KB
JenkinsMaster.pem	2/13/2023 2:43 PM	PEM File	2 KB
MongoDBCompass	2/9/2023 6:21 PM	Shortcut	3 KB
Nicepage	2/2/2023 2:21 PM	Shortcut	3 KB
Notion	1/14/2023 4:02 PM	Shortcut	3 KB
Taras - Chrome	10/6/2021 1:30 PM	Shortcut	3 KB

33 items1 item selected1.63 KB

eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#LaunchInstances:

Amazon Machine Image (AMI)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type  
ami-01e030f0e6f1658cf (64-bit (x86)) / ami-07d621c599e19c4b7 (64-bit (Arm))  
Virtualization: hvm    ENA enabled: true    Root device type: ebs

Description

Amazon Linux 2 Kernel 5.10 AMI 2.0.20230119.1 x86\_64 HVM gp2

Architecture

AMI ID

64-bit (x86)    ami-01e030f0e6f1658cf    **Verified provider**

▼ Instance type **Info**

Instance type

t3.micro    Free tier eligible    [Compare instance types](#)

Family: t3    2 vCPU    1 GiB Memory  
On-Demand RHEL pricing: 0.0708 USD per Hour  
On-Demand SUSE pricing: 0.0108 USD per Hour  
On-Demand Linux pricing: 0.0108 USD per Hour  
On-Demand Windows pricing: 0.02 USD per Hour

▼ Key pair (login) **Info**

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

JenkinsMaster    [Create new key pair](#)

▼ Summary

Number of instances **Info**

1

Software Image (AMI)

Amazon Linux 2 Kernel 5.10 AMI...  
ami-01e030f0e6f1658cf

Virtual server type (instance type)

t3.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 22 GiB

**Free tier:** In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million I/Os, 1 GiB of snapshots, and 100 GiB of bandwidth to the internet.

Cancel    **Launch Instance**

eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#LaunchInstances:

Create security group    ☐ Select existing security group

We'll create a new security group called 'launch-wizard-1' with the following rules:

☒ Allow SSH traffic from  
Helps you connect to your instance    Anywhere  
0.0.0.0/0

☐ Allow HTTPS traffic from the internet  
To set up an endpoint, for example when creating a web server

☐ Allow HTTP traffic from the internet  
To set up an endpoint, for example when creating a web server

**Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.**

▼ Configure storage **Info**    [Advanced](#)

1x    22    GiB    gp2    Root volume (Not encrypted)

**Free tier eligible customers can get up to 30 GiB of EBS General Purpose (SSD) or Magnetic storage**

Add new volume

0 x File systems    [Edit](#)

► Advanced details **Info**

▼ Summary

Number of instances **Info**

1

Software Image (AMI)

Amazon Linux 2 Kernel 5.10 AMI...  
ami-01e030f0e6f1658cf

Virtual server type (instance type)

t3.micro

Firewall (security group)

New security group

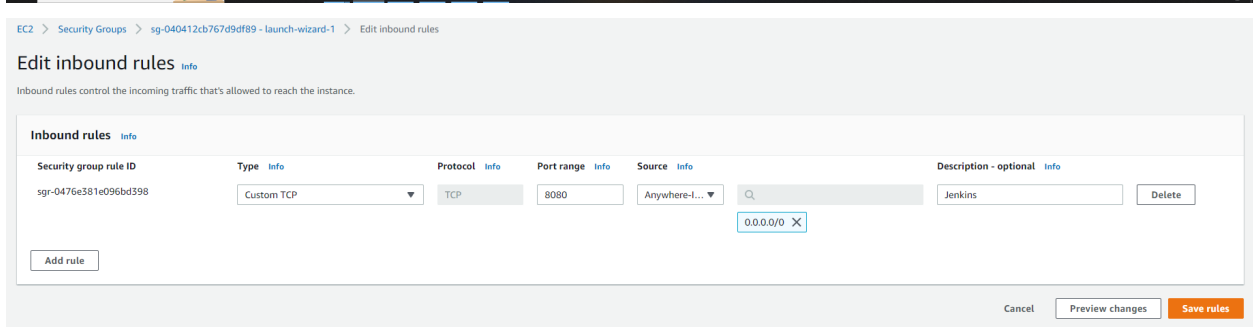
Storage (volumes)

1 volume(s) - 22 GiB

**Free tier:** In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million I/Os, 1 GiB of snapshots, and 100 GiB of bandwidth to the internet.

Cancel    **Launch Instance**

JenkinsMaster.pem    [Показати все](#)



# Instance Configuration

Jenkins URL:

The Jenkins URL is used to provide the root URL for absolute links to various Jenkins resources. That means this value is required for proper operation of many Jenkins features including email notifications, PR status updates, and the BUILD\_URL environment variable provided to build steps.

The proposed default value shown is **not saved yet** and is generated from the current request, if possible. The best practice is to set this value to the URL that users are expected to use. This will avoid confusion when sharing or viewing links.

# Jenkins is ready!

You have skipped the **setup of an admin user**.

To log in, use the username: "admin" and the administrator password you used to access the setup wizard.

Your Jenkins setup is complete.

[Start using Jenkins](#)



← → Не конфіденційний | ec2-16-171-30-91.eu-north-1.compute.amazonaws.com:8080/manage/pluginManager/available

Taras.pnu Programming UsefulSites Other Бюджет DevOps Погода і екс Languages Tests Billing Managemen... Resolve issues with... Working with Cloud... Jenkins on AWS

Jenkins

Пошук (CTRL+K)

admin Вийти

Dashboard > Manage Jenkins > Plugin Manager

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

Plugins

Install	Name	Released
<input checked="" type="checkbox"/>	<div>Amazon EC2 2.0.5</div> <div>Cloud Providers Cluster Management Agent Management spotinst aws</div> <div>This plugin integrates Jenkins with Amazon EC2 or anything implementing the EC2 API's such as an Ubuntu.</div>	1 mo 8 days ago
<input type="checkbox"/>	<div>Amazon Elastic Container Service (ECS) / Fargate 1.47</div> <div>Cluster Management Agent Management aws</div> <div>Use Amazon EC2 Container Service to provide elastic agents.</div>	1 mo 24 days ago
<input type="checkbox"/>	<div>Amazon EC2 Container Service plugin with autoscaling capabilities 1.0</div> <div>Cluster Management Agent Management</div> <div>Use Amazon EC2 Container Service to provide elastic slaves.</div>	6 yr 8 mo ago

Install without restart

Download now and install after restart

Update information obtained: 3.4 sec ago

Check now

REST API Jenkins 2.375.3

Type here to search 2°C Cloudy 7:00 PM 2/13/2023

Jenkins

Пошук (CTRL+K)

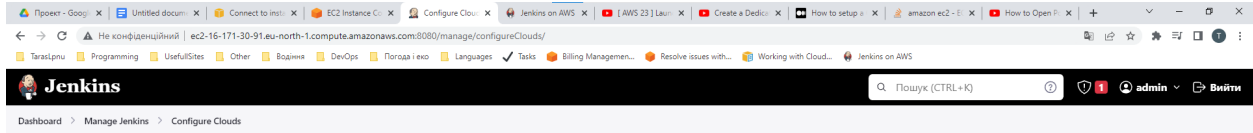
admin Вийти

Dashboard > Manage Jenkins > Plugin Manager

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

Download progress

Підготовка	<ul style="list-style-type: none"><li>Checking internet connectivity</li><li>Checking update center connectivity</li><li>Success</li></ul>
JavaBeans Activation Framework (JAF) API	Успішно
JavaMail API	Успішно
bouncycastle API	Успішно
Instance Identity	Успішно
Ionicons API	Успішно
Folders	Успішно
Mina SSHD API :: Common	Успішно
Mina SSHD API :: Core	Успішно
SSH server	Успішно
OWASP Markup Formatter	Успішно
Structs	Успішно
Token Macro	Успішно
Build Timeout	Успішно
Credentials	Успішно
Trilead API	Успішно
SSH Credentials	Успішно
Pipeline: Step API	Успішно
Plain Credentials	Успішно
Credentials Binding	Успішно
SCM API	Успішно
Pipeline: API	Успішно
commons-lang3 v3.x Jenkins API	Успішно
Timestampers	Успішно



Manage Nodes

### Configure Clouds

```
Jenkins 2.375.3

[root@ip-172-31-45-75 ec2-user]# yum install -y httpd.x86_64
Loaded plugins: extra_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
--> Package httpd.x86_64 0:2.4.54-1.amzn2 will be installed
--> Processing Dependency: httpd-tools = 2.4.54-1.amzn2 for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: httpd-filesystem = 2.4.54-1.amzn2 for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: system-logs-httpd for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: mod_http2 for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: httpd-filesystem for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: /etc/mime.types for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: libaprutil-1.so.0() (64bit) for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: libapr-1.so.0() (64bit) for package: httpd-2.4.54-1.amzn2.x86_64
--> Running transaction check
--> Package apr.x86_64 0:1.7.2-1.amzn2 will be installed
--> Package apr-util.x86_64 0:1.6.3-1.amzn2.0.1 will be installed
--> Processing Dependency: apr-util-bdb(x86-64) = 1.6.3-1.amzn2.0.1 for package: apr-util-1.6.3-1.amzn2.0.1.x86_64
--> Package generic-logs-httpd.noarch 0:18.0.0-4.amzn2 will be installed
--> Package httpd-filesystem.noarch 0:2.4.54-1.amzn2 will be installed
--> Package httpd-tools.x86_64 0:2.4.54-1.amzn2 will be installed
--> Package mailcap.noarch 0:2.1.41-2.amzn2 will be installed
--> Package mod_http2.x86_64 0:1.15.19-1.amzn2.0.1 will be installed
--> Running transaction check
--> Package apr-util-bdb.x86_64 0:1.6.3-1.amzn2.0.1 will be installed

[root@ip-172-31-45-75 ec2-user]# systemctl start httpd.service
[root@ip-172-31-45-75 ec2-user]# systemctl enable httpd.service
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-45-75 ec2-user]#
```

This page is used to test the proper operation of the Apache HTTP server after it has been installed. If you can read this page, it means that the Apache HTTP server installed at this site is working properly.

If you are a member of the general public:

The fact that you are seeing this page indicates that the website you just visited is either experiencing problems, or is undergoing routine maintenance.

If you would like to let the administrators of this website know that you've seen this page instead of the page you expected, you should send them e-mail. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the appropriate person.

For example, if you experienced problems while visiting www.example.com, you should send e-mail to "webmaster@example.com".

If you are the website administrator:

You may now add content to the directory /var/www/html/. Note that until you do so, people visiting your website will see this page, and not your content. To prevent this page from ever being used, follow the instructions in the file /etc/httpd/conf.d/welcome.conf.

You are free to use the image below on web sites powered by the Apache HTTP Server:



- Стан
- Зміни
- Console Output
  - View as plain text
- Редагувати опис
- Delete build '#12'
- Git Build Data
- Попередня збірка

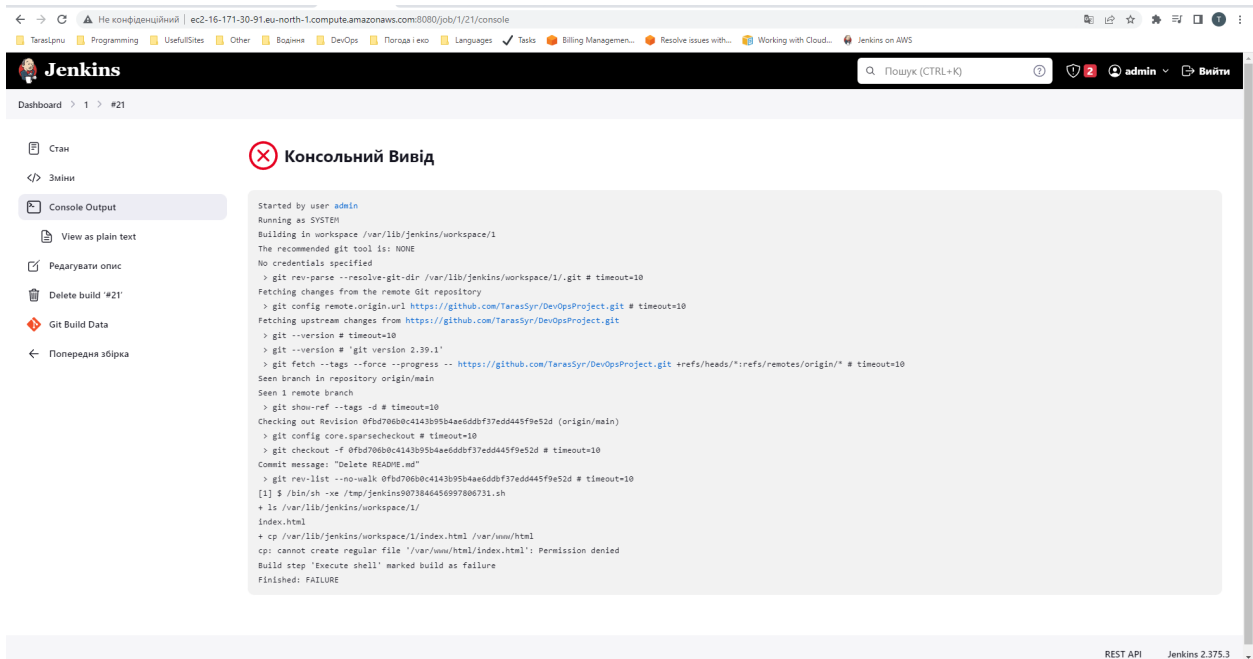
Консольний Вивід

```
Started by user admin
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/1
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/1/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/TarasSyr/DevOpsProject.git # timeout=10
Fetching upstream changes from https://github.com/TarasSyr/DevOpsProject.git
> git --version # timeout=10
> git --version # 'git version 2.39.1'
> git fetch --tags --force --progress -- https://github.com/TarasSyr/DevOpsProject.git +refs/heads/*:refs/remotes/origin/* # timeout=10
Seen branch in repository origin/main
> git show-ref --tags -d # timeout=10
Checking out Revision 0fb706b0c4143b95b4ae6ddbf37ed6445f9e52d (origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f 0fb706b0c4143b95b4ae6ddbf37ed6445f9e52d # timeout=10
Commit message: "Delete README.md"
First time build. Skipping changelog.
[1] $ /bin/sh -xe /tmp/jenkins1028192538913874963.sh
+ pwd
/var/lib/jenkins/workspace/1
Finished: SUCCESS
```

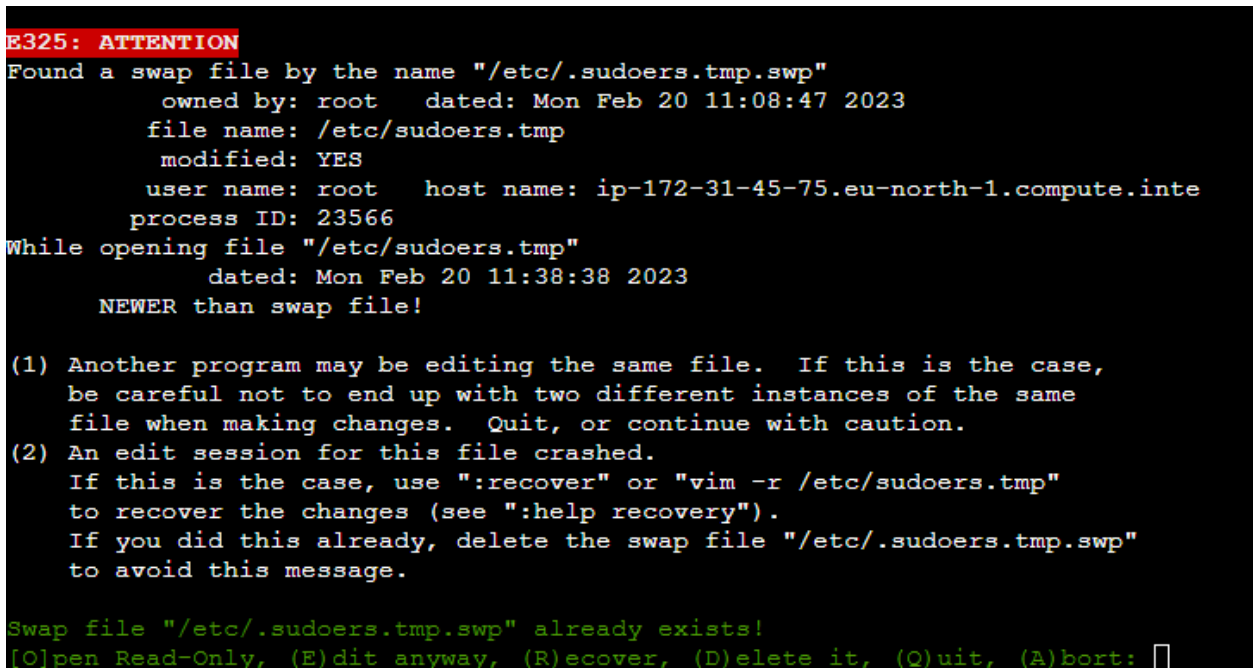
```

__| \__| __|
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-45-75 ~]$ ls
text.txt
[ec2-user@ip-172-31-45-75 ~]$ cd /var/www/html
[ec2-user@ip-172-31-45-75 html]$ ll
total 0
[ec2-user@ip-172-31-45-75 html]$ cd ..
[ec2-user@ip-172-31-45-75 www]$ ll
total 0
drwxr-xr-x 2 root root 6 Jun 30 2022 cgi-bin
drwxr-xr-x 2 root root 6 Jun 30 2022 html
[ec2-user@ip-172-31-45-75 www]$ di
-bash: di: command not found
[ec2-user@ip-172-31-45-75 www]$ ls
cgi-bin  html
[ec2-user@ip-172-31-45-75 www]$ sudo su
[root@ip-172-31-45-75 www]# ls
cgi-bin  html
[root@ip-172-31-45-75 www]# ll
total 0
drwxr-xr-x 2 root root 6 Jun 30 2022 cgi-bin
drwxr-xr-x 2 root root 6 Jun 30 2022 html
[root@ip-172-31-45-75 www]# pwd
/var/www
[root@ip-172-31-45-75 www]# cd /var/lib/jenkins/workspace
[root@ip-172-31-45-75 workspace]# ls
1
[root@ip-172-31-45-75 workspace]# cd 1
[root@ip-172-31-45-75 1]# ls
index.html
[root@ip-172-31-45-75 1]# cat index.html
<!DOCTYPE html>
<html>
  <head>
    <title>Example</title>
  </head>
  <body>
    <p>This is an example of a simple HTML page with one paragraph.</p>
  </body>
</html>[root@ip-172-31-45-75 1]# █

```



Changing sudoers file because we have permission denied with command visudo -f /etc/sudoers



Adding jenkins ALL= NOPASSWD: ALL

```
aws Services Search [Alt+S]
# Adding HOME to env_keep may enable a user to run unrestricted
# commands via sudo.
#
# Defaults    env_keep += "HOME"
Defaults     secure_path = /sbin:/bin:/usr/sbin:/usr/bin

## Next comes the main part: which users can run what software on
## which machines (the sudoers file can be shared between multiple
## systems).
## Syntax:
##
##      user    MACHINE=COMMANDS
##
## The COMMANDS section may have other options added to it.
##
## Allow root to run any commands anywhere
root    ALL=(ALL)        ALL

## Allows members of the 'sys' group to run networking, software,
## service management apps and more.
## %sys ALL = NETWORKING, SOFTWARE, SERVICES, STORAGE, DELEGATING, PROCESSES, LOCATE, DRIVERS

## Allows people in group wheel to run all commands
%wheel  ALL=(ALL)        ALL

## Same thing without a password
# %wheel    ALL=(ALL)        NOPASSWD: ALL

## Allows members of the users group to mount and unmount the
## cdrom as root
# %users    ALL=/sbin/mount /mnt/cdrom, /sbin/umount /mnt/cdrom

## Allows members of the users group to shutdown this system
# %users    localhost=/sbin/shutdown -h now

## Read drop-in files from /etc/sudoers.d (the # here does not mean a comment)
#include_dir /etc/sudoers.d
jenkins  ALL= NOPASSWD: ALL

"/etc/sudoers.tmp" 123L, 4357B
```

After that save and exit: wq

After that we go on Jenkins page and press build now. And build is successful

- Стан
- Зміни
- Console Output
- View as plain text
- Редагувати опис
- Delete build #25
- Git Build Data
- Попередня збірка

## Консольний Вивід

```
Started by user admin
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/1
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/1/.git # timeout=10
Fetching changes from the remote git repository
> git config remote.origin.url https://github.com/TarasSyr/DevOpsProject.git # timeout=10
Fetching upstream changes from https://github.com/TarasSyr/DevOpsProject.git
> git --version # timeout=10
> git --version # 'git version 2.39.1'
> git fetch --tags --force --progress -- https://github.com/TarasSyr/DevOpsProject.git +refs/heads/*:refs/remotes/origin/* # timeout=10
Seen branch in repository origin/main
Seen 1 remote branch
> git show-ref --tags -d # timeout=10
Checking out Revision 0fb706b0c4143b95b4ae6ddb737ed6445f9e52d (origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f 0fb706b0c4143b95b4ae6ddb737ed6445f9e52d # timeout=10
Commit message: "Delete README.md"
> git rev-list --no-walk 0fb706b0c4143b95b4ae6ddb737ed6445f9e52d # timeout=10
[1] $ /bin/sh -xe /tmp/jenkins10596475150112251858.sh
+ ls /var/lib/jenkins/workspace/1/
index.html
+ sudo -S cp /var/lib/jenkins/workspace/1/index.html /var/www/html
Finished: SUCCESS
```

REST API Jenkins 2.375.3

After that we can see our test page