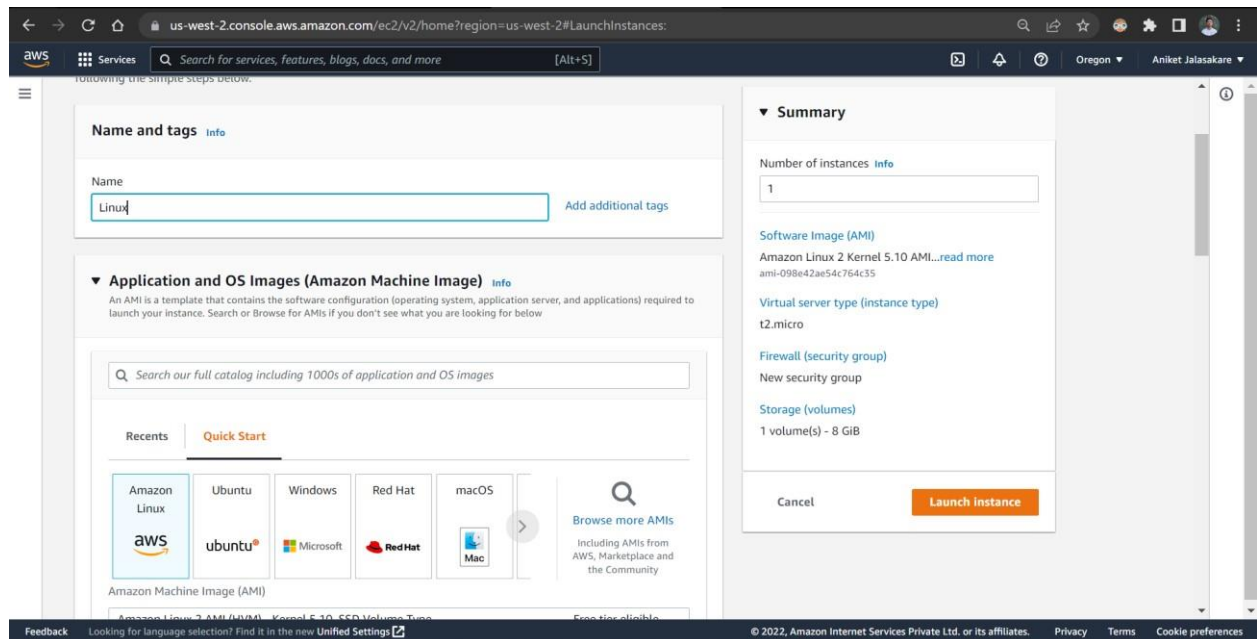


Name – Aniket Jalasakare

Roll No – 24

PRN – 1132210192

Create ec2 instance | t2 micro & install Apache web server into it. (httpd)



us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#LaunchInstances:

Services Search for services, features, blogs, docs, and more [Alt+S]

Instance type

t2.micro

Processor 1 x CPU 1 x GB memory

On-demand Linux pricing: \$0.0116 USD per Hour

On-demand Windows pricing: \$0.0183 USD per Hour

Key pair (login) info

You can attach key pair to securely connect to your instance. See console.

Key pair name: - required

Search

Network settings Get guidance

Network info

vpc-0fe242c56d1bb648d

Subnet info

No preference (Default subnet in any availability zone)

Auto-assign public IP info

Enable

Firewall (security groups) info

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

Linux-3

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

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Services Search for services, features, blogs, docs, and more [Alt+S]

Network settings Get guidance Edit

Network info

vpc-0fe242c56d1bb648d

Subnet info

No preference (Default subnet in any availability zone)

Auto-assign public IP info

Enable

Firewall (security groups) info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group ☐ Select existing security group

We'll create a new security group called 'launch-wizard-5' with the following rules:

☒ Allow SSH traffic from

Helps you connect to your instance

Anywhere

0.0.0.0/0

☒ Allow HTTP 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.

Summary

Number of instances info

1

Software Image (AMI)

Amazon Linux 2 Kernel 5.10 AMI...read more

ami-098e42ae54c764c35

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Cancel Launch instance

Feedback Looking for language selection? Find it in the new Unified Settings

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Dedicated Hosts  
Scheduled Instances  
Capacity Reservations

Images  
AMIs New  
AMI Catalog

Instances (1/2) Info

Search

Connect Instance state Actions Launch Instances

Name	Instance ID	Instance state	Alarm status	Availability Zone	Public IP
Linux	i-0d3627b9ff5a19418	Running	No alarms	us-west-2c	ec2-35-88-117-0.us-west-2.compute.amazonaws.com
Linux	i-0f2c137a	Initializing	No alarms	us-west-2c	-

Instance: i-0d3627b9ff5a19418

Details Security Network

Instance summary Info

Instance ID: i-0d3627b9ff5a19418 (Linux)

IPv6 address: -

Hostname type: -

IP name: ip-172-31-4-75.us-west-2.compute.internal

Private IP DNS name (IPv4 only): ip-172-31-4-75.us-west-2.compute.internal

Instance state: Running

Private IP4 addresses: -

Public IP4 DNS copied: ec2-35-88-117-0.us-west-2.compute.amazonaws.com | open address

Putty Configuration

Category: Session, Logging, Terminal, Keyboard, Bell, Features, Window, Appearance, Behaviour, Translation, Selection, Colours, Connection, Data, Proxy, SSH, Serial, Telnet, Rlogin, SUDOUP

Basic options for your PuTTY session

Specify the destination you want to connect to

Host name (or IP address): 117-0.us-west-2.compute.amazonaws.com Port: 22

Connection type: SSH, Serial, Other, Telnet

Load, save or delete a stored session

Save Sessions

Default Settings

Load Save Delete

Close window on exit: Always, Never, Only on clean exit

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Instances (1/2) Info

Search

Connect Instance state Actions Launch Instances

Name	Instance ID	Instance state	Alarm status	Availability Zone	Public IP
Linux	i-0d3627b9ff5a19418	Running	No alarms	us-west-2c	ec2-35-88-117-0.us-west-2.compute.amazonaws.com
Linux	i-0f2c137a	Initializing	No alarms	us-west-2c	-

Instance: i-0d3627b9ff5a19418

Details Security Network

Instance summary Info

Instance ID: i-0d3627b9ff5a19418 (Linux)

IPv6 address: -

Hostname type: -

IP name: ip-172-31-4-75.us-west-2.compute.internal

Private IP DNS name (IPv4 only): ip-172-31-4-75.us-west-2.compute.internal

Instance state: Running

Private IP4 addresses: -

Public IP4 DNS copied: ec2-35-88-117-0.us-west-2.compute.amazonaws.com | open address

Putty Configuration

Category: Session, Logging, Terminal, Keyboard, Bell, Features, Window, Appearance, Behaviour, Translation, Selection, Colours, Connection, Data, Proxy, SSH, Serial, Telnet, Rlogin, SUDOUP

Data to send to the server

Login details

Auto-login username: ec2-user

When username is not specified: Prompt, Use system username (anika)

Terminal details

Terminal type string: xterm

Terminal speeds: 38400,38400

Environment variables

Variable: Add

Value: Remove

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Instances (1/2) Info

Search

Connect Instance state Actions Launch Instances

Name	Instance ID	Instance type	Status check	Alarm status	Availability Zone	Public IP
Linux	i-0d3627b9ff5a19418	t2.micro	Initializing	No alarms	us-west-2c	ec2-35-88-117-0.us-west-2.compute.amazonaws.com
Linux	i-0f2c137a	t2.micro	Running	No alarms	us-west-2c	-

Instance: i-0d3627b9ff5a19418

Details Security Network

▼ Instance summary Info

Instance ID: i-0d3627b9ff5a19418 (Linux)

IPv6 address: -

Hostname type: -

IP name: ip-172-31-4-75.us-west-2.compute.internal

Instance state: Running

Private IP DNS name (IPv4 only): ip-172-31-4-75.us-west-2.compute.internal

Public IPv4 address: 35.88.117.0 | open address

Private IPv4 addresses: -

AMI: ec2-35-88-117-0.us-west-2.compute.amazonaws.com | open address

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Instances (1/2) Info

Search

Connect Instance state Actions Launch Instances

Instance type	Status check	Alarm status	Availability Zone	Public IP
t2.micro	Initializing	No alarms	us-west-2c	ec2-35-88-117-0.us-west-2.compute.amazonaws.com
t2.micro	-	No alarms	us-west-2c	-

Instance: i-0d3627b9ff5a19418

Details Security Network

▼ Instance summary Info

Instance ID: i-0d3627b9ff5a19418 (Linux)

IPv6 address: -

Hostname type: -

IP name: ip-172-31-4-75.us-west-2.compute.internal

Instance state: Running

Private IP DNS name (IPv4 only): ip-172-31-4-75.us-west-2.compute.internal

Public IPv4 address: 35.88.117.0 | open address

Private IPv4 addresses: -

AMI: ec2-35-88-117-0.us-west-2.compute.amazonaws.com | open address

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Instances (1/2) Info

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
Linux	i-0d3627b9ff5a19418	Running	t3.micro	Checks passed	OK	us-west-2c	ec2-35-88-117-0.us-west-2.compute.amazonaws.com
Linux	i-0d3627b9ff5a19418	Running	t3.micro	Checks passed	OK	us-west-2c	-

Instance: i-0d3627b9ff5a19418

Details Security Networking

Instance summary Info

Instance ID: i-0d3627b9ff5a19418 (Linux)

IPv6 address: -

Hostname type: -

IP name: ip-172-31-4-75.us-west-2.compute.internal

Instance state: Running

Private IP DNS name (IPv4 only): ip-172-31-4-75.us-west-2.compute.internal

```
ec2-user@ip-172-31-4-75:~$  
Using username "ec2-user".  
Authenticating with public key "Linux-3"  
  
Amazon Linux 2 AMI  
  
https://aws.amazon.com/amazon-linux-2/  
12 package(s) needed for security, out of 22 available  
Run "sudo yum update" to apply all updates.  
[ec2-user@ip-172-31-4-75 ~]$ sudo yum update -y  
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd  
amazon2-core  
Resolving Dependencies  
--> Running transaction check  
--> Package amazon-ssm-agent.x86_64 0:3.1.1188.0-1.amzn2 will be updated  
--> Package amazon-ssm-agent.x86_64 0:3.1.1575.0-1.amzn2 will be an update  
--> Package curl.x86_64 0:7.79.1-2.amzn2.0.1 will be updated  
--> Package curl.x86_64 0:7.79.1-4.amzn2.0.1 will be an update  
--> Package expat.x86_64 0:2.1.0-12.amzn2.0.4 will be updated  
--> Package expat.x86_64 0:2.1.0-14.amzn2.0.1 will be an update  
--> Package glibc.x86_64 0:2.26-58.amzn2 will be updated  
--> Package glibc.x86_64 0:2.26-59.amzn2 will be an update  
--> Package glibc-all-langpacks.x86_64 0:2.26-59.amzn2 will be an update  
--> Package glibc-common.x86_64 0:2.26-59.amzn2 will be an update  
--> Package glibc-common.x86_64 0:2.26-59.amzn2 will be an update  
--> Package glibc-locale-source.x86_64 0:2.26-59.amzn2 will be updated  
--> Package glibc-locale-source.x86_64 0:2.26-59.amzn2 will be an update  
--> Package glibc-minimal-langpack.x86_64 0:2.26-59.amzn2 will be updated  
--> Package initscripts.x86_64 0:9.49.47-1.amzn2.0.1 will be updated  
--> Package initscripts.x86_64 0:9.49.47-1.amzn2.0.2 will be an update  
--> Package iproute.x86_64 0:5.10.0-2.amzn2.0.2 will be updated  
--> Package iproute.x86_64 0:5.10.0-2.amzn2.0.3 will be an update  
--> Package kernel.x86_64 0:5.10.130-119.517.amzn2 will be installed  
--> Package libcrypt.x86_64 0:2.26-58.amzn2 will be updated  
--> Package libcrypt.x86_64 0:2.26-59.amzn2 will be an update  
--> Package libcurl.x86_64 0:7.79.1-2.amzn2.0.1 will be updated  
--> Package libcurl.x86_64 0:7.79.1-4.amzn2.0.1 will be an update  
--> Package libxml2.x86_64 0:2.9.1-6.amzn2.5.4 will be updated  
--> Package libxml2.x86_64 0:2.9.1-6.amzn2.5.5 will be an update  
--> Package libxml2-python.x86_64 0:2.9.1-6.amzn2.5.4 will be updated  
--> Package libxml2-python.x86_64 0:2.9.1-6.amzn2.5.5 will be an update  
--> Package systemd-runtime.x86_64 0:4.4-1.amzn2.0.2 will be updated  
--> Package systemd-runtime.x86_64 0:4.4-1.amzn2.0.1 will be an update  
--> Package vim-common.x86_64 2:8.2.4857-1.amzn2.0.1 will be updated  
--> Package vim-common.x86_64 2:8.2.5172-1.amzn2.0.1 will be an update  
--> Package vim-data.noarch 2:8.2.4857-1.amzn2.0.1 will be updated
```

```
ec2-user@ip-172-31-4-75-
Verifying : libxml2-python-2.9.1-6.amzn2.5.5.x86_64 9/43
Verifying : glibc-minimal-langpack-2.26-59.amzn2.x86_64 10/43
Verifying : amazon-ssm-agent-3.1.1575.0-1.amzn2.x86_64 11/43
Verifying : 2vim-minimal-8.2.5172-1.amzn2.0.1.x86_64 12/43
Verifying : glibc-common-2.26-59.amzn2.x86_64 13/43
Verifying : 2vim-data-8.2.5172-1.amzn2.0.1.noarch 14/43
Verifying : 2vim-enhanced-8.2.5172-1.amzn2.0.1.x86_64 15/43
Verifying : 2vim-filesystem-8.2.5172-1.amzn2.0.1.noarch 16/43
Verifying : iproute-5.10.0-2.amzn2.0.3.x86_64 17/43
Verifying : glibc-2.26-59.amzn2.x86_64 18/43
Verifying : 2vim-common-8.2.5172-1.amzn2.0.1.x86_64 19/43
Verifying : systemd-runtime-4.5-1.amzn2.0.1.x86_64 20/43
Verifying : glibc-locale-source-2.26-59.amzn2.x86_64 21/43
Verifying : libcrypt-2.26-59.amzn2.x86_64 22/43
Verifying : yum-3.4.3-158.amzn2.0.5.noarch 23/43
Verifying : systemd-runtime-4.4-1.amzn2.0.2.x86_64 24/43
Verifying : 2vim-enhanced-8.2.4857-1.amzn2.0.1.x86_64 25/43
Verifying : libxml2-python-2.9.1-6.amzn2.5.4.x86_64 26/43
Verifying : libxml2-2.9.1-6.amzn2.5.4.x86_64 27/43
Verifying : expat-2.1.0-12.amzn2.0.4.x86_64 28/43
Verifying : iproute-5.10.0-2.amzn2.0.2.x86_64 29/43
Verifying : 2vim-data-8.2.4857-1.amzn2.0.1.noarch 30/43
Verifying : glibc-2.26-58.amzn2.x86_64 31/43
Verifying : curl-7.79.1-2.amzn2.0.1.x86_64 32/43
Verifying : libcurl-7.79.1-2.amzn2.0.1.x86_64 33/43
Verifying : glibc-locale-source-2.26-59.amzn2.x86_64 34/43
Verifying : glibc-minimal-langpack-2.26-58.amzn2.x86_64 35/43
Verifying : glibc-common-2.26-58.amzn2.x86_64 36/43
Verifying : 2vim-filesystem-8.2.4857-1.amzn2.0.1.noarch 37/43
Verifying : 2vim-minimal-8.2.4857-1.amzn2.0.1.x86_64 38/43
Verifying : 2vim-common-8.2.4857-1.amzn2.0.1.x86_64 39/43
Verifying : glibc-all-langpacks-2.26-59.amzn2.x86_64 40/43
Verifying : amazon-ssm-agent-3.1.1188.0-1.amzn2.x86_64 41/43
Verifying : libcrypt-2.26-58.amzn2.x86_64 42/43
Verifying : initscripts-9.49.47-1.amzn2.0.1.x86_64 43/43

Installed:
kernel.x86_64 0:5.10.130-118.517.amzn2

Updated:
amazon-ssm-agent.x86_64 0:3.1.1575.0-1.amzn2 curl.x86_64 0:7.79.1-4.amzn2.0.1 expat.x86_64 0:2.1.0-14.amzn2.0.1 glibc.x86_64 0:2.26-59.amzn2
glibc-all-langpacks.x86_64 0:2.26-59.amzn2 glibc-common.x86_64 0:2.26-59.amzn2 glibc-locale-source.x86_64 0:2.26-59.amzn2 glibc-minimal-langpack.x86_64 0:2.26-59.amzn2
initscripts.x86_64 0:9.49.47-1.amzn2.0.2 iproute.x86_64 0:5.10.0-2.amzn2.0.3 libcrypt.x86_64 0:2.26-59.amzn2 libcurl.x86_64 0:7.79.1-4.amzn2.0.1
libxml2.x86_64 0:2.9.1-6.amzn2.5.5 libxml2-python.x86_64 0:2.9.1-6.amzn2.5.5 systemd-runtime.x86_64 0:4.5-1.amzn2.0.1 vim-common.x86_64 2:8.2.5172-1.amzn2.0.1
vim-data.noarch 2:8.2.5172-1.amzn2.0.1 vim-enhanced.x86_64 2:8.2.5172-1.amzn2.0.1 vim-filesystem.noarch 2:8.2.5172-1.amzn2.0.1 vim-minimal.x86_64 2:8.2.5172-1.amzn2.0.1
yum.noarch 0:3.4.3-158.amzn2.0.6

Complete!
[ec2-user@ip-172-31-4-75 ~]$
```

ec2-user@ip-172-31-4-75:~

Complete!

```
[ec2-user@ip-172-31-4-75 ~]$ sudo yum install -y httpd wget php-fpm php-mysql php-json php php-devel
```

Loaded plugins: extras\_suggestions, langpacks, priorities, update-motd

Package wget-1.14-18.amzn2.1.x86\_64 already installed and latest version

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-logos-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

----> Package php.x86\_64 0:5.4.16-46.amzn2.0.2 will be installed

--> Processing Dependency: php-cli(x86-64) = 5.4.16-46.amzn2.0.2 for package: php-5.4.16-46.amzn2.0.2.x86\_64

----> Package php-common.x86\_64 0:5.4.16-46.amzn2.0.2 will be installed

--> Processing Dependency: libzip.so.2()(64bit) for package: php-common-5.4.16-46.amzn2.0.2.x86\_64

----> Package php-devel.x86\_64 0:5.4.16-46.amzn2.0.2 will be installed

--> Processing Dependency: pcre-devel(x86-64) for package: php-devel-5.4.16-46.amzn2.0.2.x86\_64

--> Processing Dependency: automake for package: php-devel-5.4.16-46.amzn2.0.2.x86\_64

--> Processing Dependency: autoconf for package: php-devel-5.4.16-46.amzn2.0.2.x86\_64

----> Package php-fpm.x86\_64 0:5.4.16-46.amzn2.0.2 will be installed

----> Package php-mysqld.x86\_64 0:5.4.16-46.amzn2.0.2 will be installed

--> Processing Dependency: php-pdo(x86-64) = 5.4.16-46.amzn2.0.2 for package: php-mysqld-5.4.16-46.amzn2.0.2.x86\_64

--> Running transaction check

----> Package apr.x86\_64 0:1.7.0-9.amzn2 will be installed

----> Package apr-util.x86\_64 0:1.6.1-5.amzn2.0.2 will be installed

--> Processing Dependency: apr-util-bdb(x86-64) = 1.6.1-5.amzn2.0.2 for package: apr-util-1.6.1-5.amzn2.0.2.x86\_64

----> Package autoconf.noarch 0:2.69-11.amzn2 will be installed

--> Processing Dependency: m4 >= 1.4.14 for package: autoconf-2.69-11.amzn2.noarch

--> Processing Dependency: perl(Data:Dumper) for package: autoconf-2.69-11.amzn2.noarch

----> Package automake.noarch 0:1.13.4-3.1.amzn2 will be installed

--> Processing Dependency: perl(Thread::Queue) for package: automake-1.13.4-3.1.amzn2.noarch

--> Processing Dependency: perl(TAP::Parser) for package: automake-1.13.4-3.1.amzn2.noarch

----> Package generic-logos-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 libzip010-compat.x86\_64 0:0.10.1-9.amzn2.0.5 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

----> Package pcre-devel.x86\_64 0:8.32-17.amzn2.0.2 will be installed

----> Package php-cli.x86\_64 0:5.4.16-46.amzn2.0.2 will be installed

----> Package php-pdo.x86\_64 0:5.4.16-46.amzn2.0.2 will be installed

--> Running transaction check

----> Package apr-util-bdb.x86\_64 0:1.6.1-5.amzn2.0.2 will be installed

----> Package m4.x86\_64 0:1.4.16-10.amzn2.0.2 will be installed





```
ec2-user@ip-172-31-4-75~  
Verifying : perl-Thread-Queue-3.02-2.amzn2.noarch 1/24  
Verifying : php-cli-5.4.16-46.amzn2.0.2.x86_64 2/24  
Verifying : mailcap-2.1.41-2.amzn2.noarch 3/24  
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 4/24  
Verifying : php-pdo-5.4.16-46.amzn2.0.2.x86_64 5/24  
Verifying : php-devel-5.4.16-46.amzn2.0.2.x86_64 6/24  
Verifying : php-common-5.4.16-46.amzn2.0.2.x86_64 7/24  
Verifying : php-fpm-5.4.16-46.amzn2.0.2.x86_64 8/24  
Verifying : perl-Test-Harness-3.28-3.amzn2.noarch 9/24  
Verifying : autoconf-2.69-11.amzn2.noarch 10/24  
Verifying : httpd-2.4.54-1.amzn2.x86_64 11/24  
Verifying : pcre-devel-8.32-17.amzn2.0.2.x86_64 12/24  
Verifying : apr-util-1.6.1-5.amzn2.0.2.x86_64 13/24  
Verifying : automake-1.13.4-3.1.amzn2.noarch 14/24  
Verifying : apr-util-1.6.1-5.amzn2.0.2.x86_64 15/24  
Verifying : perl-Data-Dumper-2.145-3.amzn2.0.2.x86_64 16/24  
Verifying : httpd-tools-2.4.54-1.amzn2.x86_64 17/24  
Verifying : php-5.4.16-46.amzn2.0.2.x86_64 18/24  
Verifying : httpd-filesystem-2.4.54-1.amzn2.noarch 19/24  
Verifying : apr-1.7.0-9.amzn2.x86_64 20/24  
Verifying : libzip0-0.10.1-9.amzn2.0.5.x86_64 21/24  
Verifying : m4-1.4.16-10.amzn2.0.2.x86_64 22/24  
Verifying : mod_http2-1.15.19-1.amzn2.0.1.x86_64 23/24  
Verifying : php-mysqlnd-5.4.16-46.amzn2.0.2.x86_64 24/24  
  
Installed:  
httpd.x86_64 0:2.4.54-1.amzn2 php.x86_64 0:5.4.16-46.amzn2.0.2 php-common.x86_64 0:5.4.16-46.amzn2.0.2 php-devel.x86_64 0:5.4.16-46.amzn2.0.2  
php-fpm.x86_64 0:5.4.16-46.amzn2.0.2 php-mysqlnd.x86_64 0:5.4.16-46.amzn2.0.2  
  
Dependency Installed:  
apr.x86_64 0:1.7.0-9.amzn2 apr-util.x86_64 0:1.6.1-5.amzn2.0.2 apr-util-1.6.1-5.amzn2.0.2 autoconf.noarch 0:2.69-11.amzn2  
automake.noarch 0:1.13.4-3.1.amzn2 generic-logos-httpd.noarch 0:18.0.0-4.amzn2 httpd-filesystem.noarch 0:2.4.54-1.amzn2 httpd-tools.x86_64 0:2.4.54-1.amzn2  
libzip0.compat.x86_64 0:0.10.1-9.amzn2.0.5 m4.x86_64 0:1.4.16-10.amzn2.0.2 mailcap.noarch 0:2.1.41-2.amzn2 mod_http2.x86_64 0:1.15.19-1.amzn2.0.1  
pcre-devel.x86_64 0:8.32-17.amzn2.0.2 perl-Data-Dumper.x86_64 0:2.145-3.amzn2.0.2 perl-Test-Harness.noarch 0:3.28-3.amzn2 perl-Thread-Queue.noarch 0:3.02-2.amzn2  
php-cli.x86_64 0:5.4.16-46.amzn2.0.2 php-pdo.x86_64 0:5.4.16-46.amzn2.0.2 perl-Thread-Queue.noarch 0:3.02-2.amzn2  
  
Complete!  
  
php-json is available in Amazon Linux Extra topic "php7.4"  
  
To use, run  
# sudo amazon-linux-extras install php7.4  
  
Learn more at  
https://aws.amazon.com/amazon-linux-2/faqs/#Amazon\_Linux\_Extras  
  
[ec2-user@ip-172-31-4-75 ~]$
```

```
[ec2-user@ip-172-31-4-75 ~]$ sudo systemctl start httpd  
[ec2-user@ip-172-31-4-75 ~]$ sudo systemctl enable httpd  
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.  
[ec2-user@ip-172-31-4-75 ~]$ sudo systemctl is-enabled httpd  
enabled  
[ec2-user@ip-172-31-4-75 ~]$
```

us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#Instances:sort=desc:displayName

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Instances (1/2) Info

Connect Instance state Actions Launch Instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
Linux	i-0d3627b9ff5a19418	Running	t2.micro	Initializing	No alarms	us-west-2c	ec2-35-
Linux	i-0f2c137ea73b971fd	Terminated	t2.micro	-	No alarms	us-west-2c	-

Instance: i-0d3627b9ff5a19418 (Linux)

Security groups  
sg-0379cd33d5fc97fd3 (launch-wizard-5)

Inbound rules

Security group rule ID	Port range	Protocol	Source	Security groups
sgr-046655fe438112184	22	TCP	0.0.0.0/0	launch-wizard-5
sgr-04fba23b774f51ce3	443	TCP	0.0.0.0/0	launch-wizard-5
sgr-07fd78da6365924e6	80	TCP	0.0.0.0/0	launch-wizard-5

Outbound rules

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us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#SecurityGroups

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Successfully deleted 4 security groups

Details

Security Groups (5/7)

Filter security groups

	Name	Security group ID	Security group name	VPC ID	Description	Owner
<input checked="" type="checkbox"/>	—	sg-02656a690b2f46188	launch-wizard-6	vpc-0fe242c56d1bb648d	launch-wizard-6 create...	6561377317
<input checked="" type="checkbox"/>	—	sg-0379cd33d5fc97fd3	launch-wizard-5	vpc-0fe242c56d1bb648d	launch-wizard-5 create...	6561377317
<input checked="" type="checkbox"/>	—	sg-0d697d7ad6150e6e8	launch-wizard-3	vpc-0fe242c56d1bb648d	launch-wizard-3 create...	6561377317
<input type="checkbox"/>	—	sg-0df6220993e30e0ef	default	vpc-0fe242c56d1bb648d	default VPC security gr...	6561377317
<input type="checkbox"/>	—	sg-0e172e28b2f54e82d	launch-wizard-1	vpc-0fe242c56d1bb648d	launch-wizard-1 create...	6561377317

Security Groups: sg-003bc4f77c441422f, sg-024c91a4b7f1a0189, sg-02656a690b2f46188, sg-0379cd33d5fc97fd3, sg-0d697d7ad6150e6e8

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launch-wizard-1

sg-0e172e28b2f54e82d

launch-wizard-1 created 2022-07-20T04:51:16.856Z

vpc-0fe242c56d1bb648d

656137731798

3 Permission entries

1 Permission entry

Inbound rules

Outbound rules

Tags

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Inbound rules (1/3)

Filter security group rules

	Name	Security group rule...	IP version	Type	Protocol	Port range
<input type="checkbox"/>	—	sgr-076d394bf03fb4563	IPv4	HTTPS	TCP	443
<input type="checkbox"/>	—	sgr-0e3dd0d7d8b6e6...	IPv4	HTTP	TCP	80
<input checked="" type="checkbox"/>	—	sgr-062b5b5de275fa805	IPv4	SSH	TCP	22

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us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#ModifyInboundSecurityGroupRules:securityGroupId=sg-0e172e28b2f54e8... [Alt+S] Oregon Aniket Jalasakare

EC2 > Security Groups > sg-0e172e28b2f54e82d - launch-wizard-1 > Edit inbound rules

## Edit inbound rules [Info](#)

Inbound rules control the incoming traffic that's allowed to reach the instance.

### Inbound rules [Info](#)

Security group rule ID	Type <a href="#">Info</a>	Protocol <a href="#">Info</a>	Port range <a href="#">Info</a>	Source <a href="#">Info</a>	Description - optional <a href="#">Info</a>	
sgr-076d394bf03fb4563	HTTPS	TCP	443	Custom	<input type="text" value="0.0.0.0/0"/>	Delete
sgr-0e3dd0d7d8b6e6452	HTTP	TCP	80	Custom	<input type="text" value="0.0.0.0/0"/>	Delete
sgr-062b5b5de275fa805	HTTP	TCP	80	Anywhere	<input type="text" value="0.0.0.0/0"/>	Delete

[Add rule](#)

Cancel [Preview changes](#) [Save rules](#)

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us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#Instances:instanceState=running [Alt+S] Oregon Aniket Jalasakare

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### Instances (1/1) [Info](#)

[Clear filters](#)

[Instance state = running](#) ☒

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public I
<input checked="" type="checkbox"/>	Linux	i-0f90c9314d32cee26	Running	t2.micro	2/2 checks passed	No alarms	us-west-2c	ec2-35-

#### Instance: i-0f90c9314d32cee26 (Linux)

**Details**

**Instance summary [Info](#)**

Instance ID	i-0f90c9314d32cee26 (Linux)
IPv6 address	-
Hostname type	Private IP DNS name (IPv4 only)
IP name	ip-172-31-13-134.us-west-2.compute.internal

Public IPv4 address

35.90.166.143 | [open address](#)

Instance state

Running

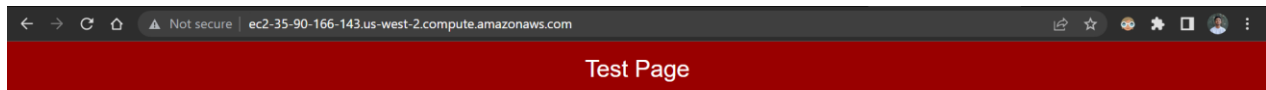
Private IP DNS name (IPv4 only)

ip-172-31-13-134.us-west-2.compute.internal

Private IPv4 addresses

Public IPv4 DNS copied

ec2-35-90-166-143.us-west-2.compute.amazonaws.com | [open address](#)



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](http://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:



```
[ec2-user@ip-172-31-7-184 ~]$ ls
[ec2-user@ip-172-31-7-184 ~]$ cd /var/www/html
[ec2-user@ip-172-31-7-184 html]$ touch index.html
touch: cannot touch 'index.html': Permission denied
[ec2-user@ip-172-31-7-184 html]$ sudo touch index.html
[ec2-user@ip-172-31-7-184 html]$ ls
index.html
[ec2-user@ip-172-31-7-184 html]$
```

```
ec2-user@ip-172-31-7-184:/var/www/html
GNU nano 2.9.8 index.html

<html>
<head>
<title>First Web Page</title>
</head>
<body>
<h1>Hello... how are you ?</h1>
<h2>I'm good, what about you ?</h2>
</body>
</html>
```

```
[ec2-user@ip-172-31-7-184 ~]$ ls
[ec2-user@ip-172-31-7-184 ~]$ cd /var/www/html
[ec2-user@ip-172-31-7-184 html]$ touch index.html
touch: cannot touch `index.html': Permission denied
[ec2-user@ip-172-31-7-184 html]$ sudo touch index.html
[ec2-user@ip-172-31-7-184 html]$ ls
index.html
[ec2-user@ip-172-31-7-184 html]$ nano index.html
[ec2-user@ip-172-31-7-184 html]$ sudo chmod 777 index.html
[ec2-user@ip-172-31-7-184 html]$ nano index.html
[ec2-user@ip-172-31-7-184 html]$ ls -la
total 4
drwxr-xr-x 2 root root 24 Jul 28 12:46 .
drwxr-xr-x 4 root root 33 Jul 28 12:32 ..
-rwxrwxrwx 1 root root 144 Jul 28 12:51 index.html
[ec2-user@ip-172-31-7-184 html]$
```



Hello...how are you ?

I'm good, what about you ?





```

[ec2-user@ip-172-31-46-243/var/www/html]$ sudo yum install git
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.7 kB 00:00:00
Resolving Dependencies
--> Running transaction check
----> Package git.x86_64 0:2.37.1-1.amzn2.0.1 will be installed
--> Processing Dependency: perl-Git = 2.37.1-1.amzn2.0.1 for package: git-2.37.1-1.amzn2.0.1.x86_64
--> Processing Dependency: git-core-doc = 2.37.1-1.amzn2.0.1 for package: git-2.37.1-1.amzn2.0.1.x86_64
--> Processing Dependency: git-core = 2.37.1-1.amzn2.0.1 for package: git-2.37.1-1.amzn2.0.1.x86_64
--> Processing Dependency: perl(Term::ReadKey) for package: git-2.37.1-1.amzn2.0.1.x86_64
--> Processing Dependency: perl(Git::I18N) for package: git-2.37.1-1.amzn2.0.1.x86_64
--> Processing Dependency: perl(Git) for package: git-2.37.1-1.amzn2.0.1.x86_64
--> Running transaction check
----> Package git-core.x86_64 0:2.37.1-1.amzn2.0.1 will be installed
----> Package git-core-doc.noarch 0:2.37.1-1.amzn2.0.1 will be installed
----> Package perl-Git.noarch 0:2.37.1-1.amzn2.0.1 will be installed
--> Processing Dependency: perl(Error) for package: perl-Git-2.37.1-1.amzn2.0.1.noarch
----> Package perl-TermReadKey.x86_64 0:2.30-20.amzn2.0.2 will be installed
--> Running transaction check
----> Package perl-Error.noarch 1:0.17020-2.amzn2 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package Arch Version Repository Size
=====
Installing:
git x86_64 2.37.1-1.amzn2.0.1 amzn2-core 71 k
Installing for dependencies:
git-core x86_64 2.37.1-1.amzn2.0.1 amzn2-core 6.4 M
git-core-doc noarch 2.37.1-1.amzn2.0.1 amzn2-core 2.8 M
perl-Error noarch 1:0.17020-2.amzn2 amzn2-core 32 k
=====

```

```

[ec2-user@ip-172-31-46-243/var/www/html]$
(2/6): git-core-doc-2.37.1-1.amzn2.0.1.noarch.rpm | 2.8 MB 00:00:00
(3/6): perl-Error-0.17020-2.amzn2.noarch.rpm | 32 kB 00:00:00
(4/6): git-core-2.37.1-1.amzn2.0.1.x86_64.rpm | 6.4 MB 00:00:00
(5/6): perl-Git-2.37.1-1.amzn2.0.1.noarch.rpm | 46 kB 00:00:00
(6/6): perl-TermReadKey-2.30-20.amzn2.0.2.x86_64.rpm | 31 kB 00:00:00
-----
Total 37 MB/s | 9.3 MB 00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Installing : git-core-2.37.1-1.amzn2.0.1.x86_64 1/6
Installing : git-core-doc-2.37.1-1.amzn2.0.1.noarch 2/6
Installing : 1:perl-Error-0.17020-2.amzn2.noarch 3/6
Installing : perl-TermReadKey-2.30-20.amzn2.0.2.x86_64 4/6
Installing : perl-Git-2.37.1-1.amzn2.0.1.noarch 5/6
Installing : git-2.37.1-1.amzn2.0.1.x86_64 6/6
Verifying : perl-TermReadKey-2.30-20.amzn2.0.2.x86_64 1/6
Verifying : git-core-doc-2.37.1-1.amzn2.0.1.noarch 2/6
Verifying : perl-Git-2.37.1-1.amzn2.0.1.noarch 3/6
Verifying : git-2.37.1-1.amzn2.0.1.x86_64 4/6
Verifying : git-core-2.37.1-1.amzn2.0.1.x86_64 5/6
Verifying : 1:perl-Error-0.17020-2.amzn2.noarch 6/6
Installed:
git.x86_64 0:2.37.1-1.amzn2.0.1

Dependency Installed:
git-core.x86_64 0:2.37.1-1.amzn2.0.1 git-core-doc.noarch 0:2.37.1-1.amzn2.0.1
perl-Error.noarch 1:0.17020-2.amzn2 perl-Git.noarch 0:2.37.1-1.amzn2.0.1
perl-TermReadKey.x86_64 0:2.30-20.amzn2.0.2

Complete!

```

```

[ec2-user@ip-172-31-46-243 html]$ sudo git clone "https://github.com/atulkamble/Cloudnautic.git"
Cloning into 'Cloudnautic'...
remote: Enumerating objects: 179, done.
remote: Counting objects: 100% (179/179), done.
remote: Compressing objects: 100% (142/142), done.
remote: Total 179 (delta 32), reused 175 (delta 32), pack-reused 0
Receiving objects: 100% (179/179), 25.07 MiB | 11.06 MiB/s, done.
Resolving deltas: 100% (32/32), done.
[ec2-user@ip-172-31-46-243 html]$ ls
Cloudnautic index.html
[ec2-user@ip-172-31-46-243 html]$

```

