

- Create VPC

Create VPC info

A VPC is an isolated portion of the AWS Cloud populated by AWS objects, such as Amazon EC2 instances. Mouse over a resource to highlight the related resources.

VPC settings

Resources to create info
Create only the VPC resource or the VPC and other networking resources.
☐ VPC only ☒ VPC and more

Name tag auto-generation info
Enter a value for the Name tag. This value will be used to auto-generate Name tags for all resources in the VPC.
☒ Auto-generate
project

IPv4 CIDR block info
Determine the starting IP and the size of your VPC using CIDR notation.
10.0.0.0/16 85,536 IPs
CIDR block size must be between /16 and /28.

IPv6 CIDR block info
☒ No IPv6 CIDR block
☐ Amazon-provided IPv6 CIDR block

Tenancy info
Default

Number of Availability Zones (AZs) info
Choose the number of AZs in which to provision subnets. We recommend at least two AZs for high availability.
1 2 3
Customize AZs

Preview

VPC show details
Your AWS virtual network
project-vpc

Subnets (2)
Subnets within this VPC
us-east-1a
project-subnet-public1-us-east-1a
project-subnet-private1-us-east-1a

Route tables (2)
Route network traffic to resources
project-rtb-public
project-rtb-private1-us-east-1a

Network connections (1)
Connections to other networks
project-igw

- Create Internet Gateway

Create internet gateway info

An Internet gateway is a virtual router that connects a VPC to the Internet. To create a new Internet gateway specify the name for the gateway below.

Internet gateway settings

Name tag
Creates a tag with a key of 'Name' and a value that you specify.
revisiontask-ig

Tags - optional
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key
Name

Value - optional
revisiontask-ig

Remove

Add new tag

You can add 49 more tags.

Cancel Create internet gateway

- Attach Internet gateway to VPC

Attach to VPC (igw-0bb1361f8e85ebed0) info

VPC
Attach an internet gateway to a VPC to enable the VPC to communicate with the internet. Specify the VPC to attach below.

Available VPCs
Attach the internet gateway to this VPC.

vpc-08e1301b9a669bb61

Use: "vpc-08e1301b9a669bb61"

vpc-08e1301b9a669bb61 - revisionaws-vpc

Cancel Attach internet gateway

- Create Route Table

VPC > Route tables > Create route table

Create route table Info

A route table specifies how packets are forwarded between the subnets within your VPC, the internet, and your VPN connection.

Route table settings

Name - optional
Create a tag with a key of 'Name' and a value that you specify.

VPC
The VPC to use for this route table.

vpc-08e1301b9a669bb61 (revisionaws-vpc) ▼

Tags

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key

Value - optional

You can add 49 more tags.

- Edit route

AWS Services Search [Alt+S] N. Virginia vodlabs/user:3011562+learner.amr@gmail.com @ 4694-2548-0758

VPC > Route tables > rtb-0e62ead018f1514f9 > Edit routes

Edit routes

| Destination | Target | Status | Propagated |
|--|--|---------------------------------------|------------|
| 15.0.0.0/16 | local | Active | No |
| <input type="text" value="0.0.0.0/0"/> | <input type="text" value="local"/> | - | No |
| <input type="button" value="Add route"/> | <input type="text" value="Internet Gateway"/> <input type="text" value="igw-0bb1361f8e85ebd0"/> Use: "igw-0bb1361f8e85ebd0" igw-0bb1361f8e85ebd0 (revisionaws-ig) | <input type="button" value="Remove"/> | |

- Edit subnet Association

VPC > Route tables > rtb-0e62ead018f1514f9 > Edit subnet associations

Edit subnet associations

Change which subnets are associated with this route table.







Available subnets (2/2)

☒ Name Subnet ID IPv4 CIDR IPv6 CIDR Route table ID

| | | | | | |
|-------------------------------------|--|--------------------------|---------------|---|---|
| <input checked="" type="checkbox"/> | revisionaws-subnet-private1-us-east-1a | subnet-04de3eef6fcd49577 | 15.0.128.0/24 | - | rtb-007f8ca5073deedf2 / revisionaws-rt... |
| <input checked="" type="checkbox"/> | revisionaws-subnet-public1-us-east-1a | subnet-0efb6b60ce566f351 | 15.0.2.0/24 | - | rtb-0a4152ee029752938 / revisionaws-rt... |

Selected subnets

- Create EC2 instance with amazon linux and windows server
With created public subnet of vpc and with http, https security role setup


| Instances (2) Info | | | | | | | | | |
|---|----------------|---------------------|---|-----------------|--|-------------------------------|---------------------|-------------------------|---------------|
| <input type="text" value="Find Instance by attribute or tag (case-sensitive)"/> | | | | Any state ▾ | | < 1 > ⚙ | | | |
| <input type="checkbox"/> | Name ↗ ▾ | Instance ID | Instance state ▾ | Instance type ▾ | Status check | Alarm status | Availability Zone ▾ | Public IPv4 DNS ▾ | Public IPv4 . |
| <input type="checkbox"/> | linuxwebserver | i-03adabebebf372818 | Running   | t2.micro | Initializing  | View alarms + | us-east-1a | ec2-35-171-88-102.co... | 35.171.88.10 |
| <input type="checkbox"/> | windowserver | i-095441b658832bf0a | Running   | t2.medium | Initializing  | View alarms + | us-east-1a | ec2-54-166-210-74.co... | 54.166.210.7 |

- Connect to windows web server using remmina using .rdp file and generate password by uploading the security key (.pem) file

Instance ID
i-095441b658832bf0a (windowserver)

Connection Type

☒ **Connect using RDP client**
Download a file to use with your RDP client and retrieve your password.

☐ **Connect using Fleet Manager**
To connect to the instance using Fleet Manager Remote Desktop, the SSM Agent must be installed and running on the instance. For more information, see [Working with SSM Agent](#) 

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:


[Download remote desktop file](#)

When prompted, connect to your instance using the following username and password:

Public DNS
ec2-54-166-210-74.compute-1.amazonaws.com

Username [Info](#)
Administrator ▾

Password
tZq;MO8gqq8(WKt6y\$@vzGck%P-o;YxT

 If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

[Cancel](#)

- Connect using remmina

ec2-54-166-210-74.compute-1.amazonaws.com

ec2-54-166-210-74.compute-1.amazonaws.com ✕

Enter RDP authentication credentials

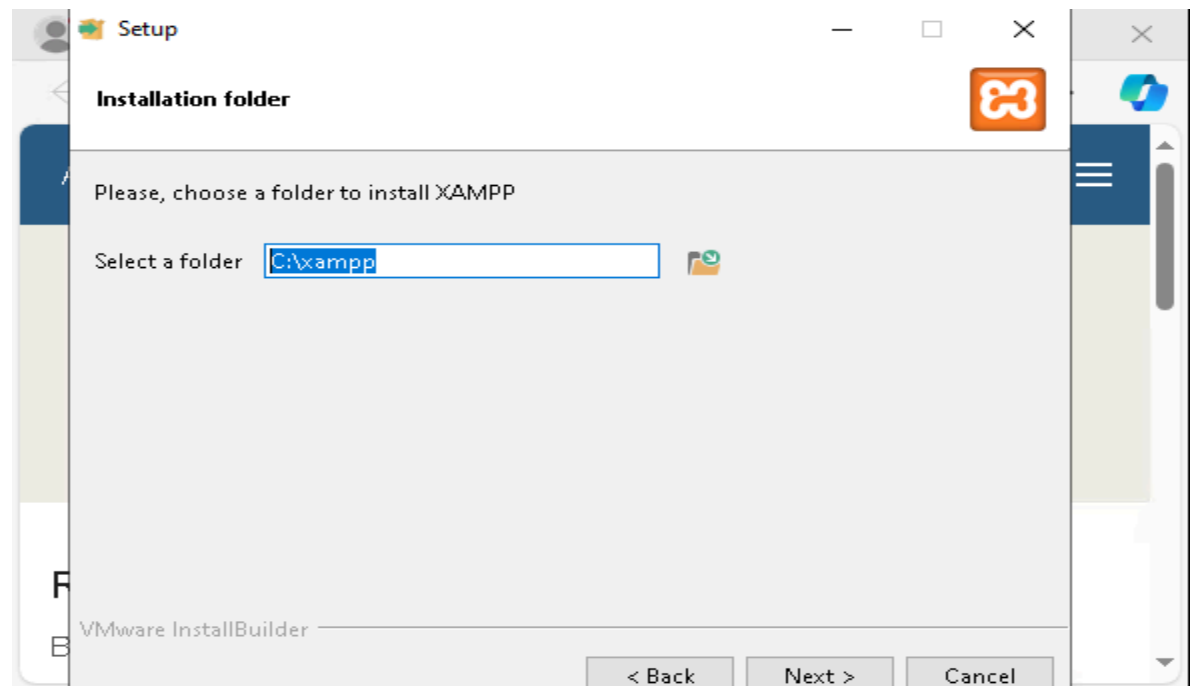
Username

Password

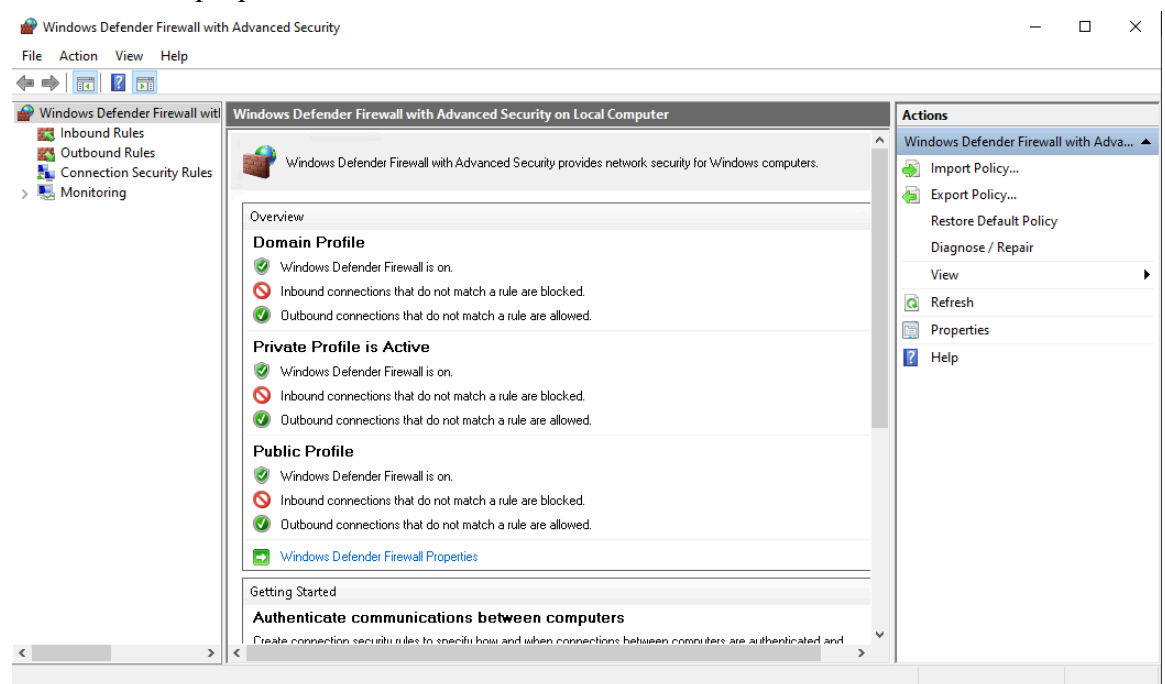
Domain

Save password ☐

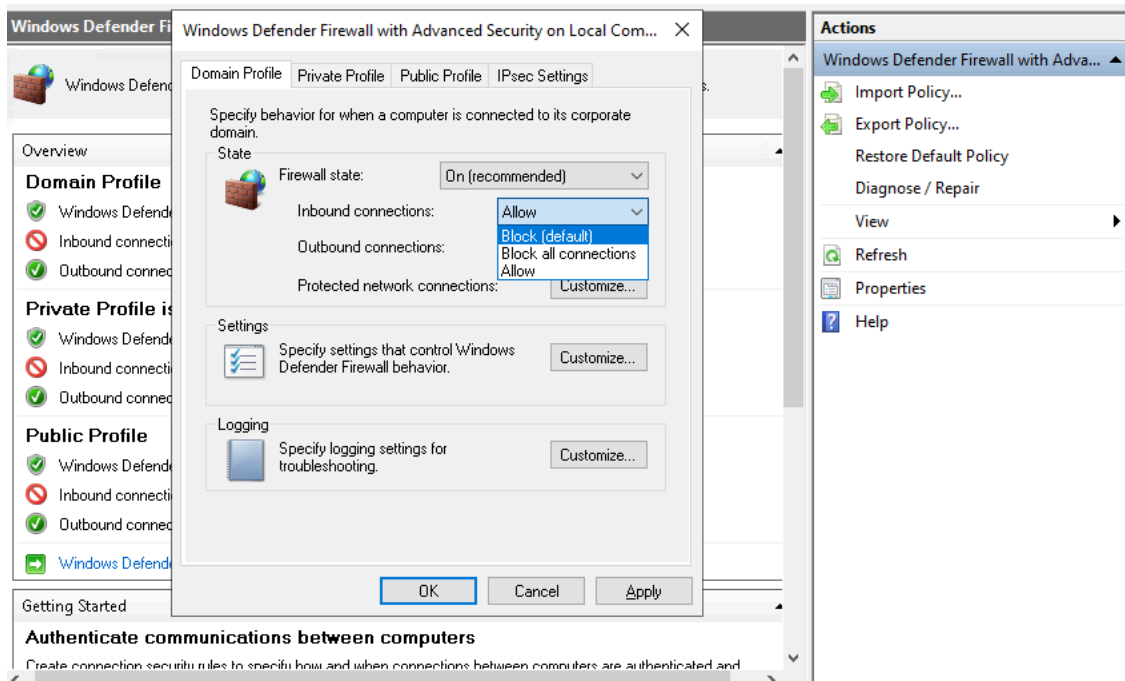
- Download and install XAMPP server



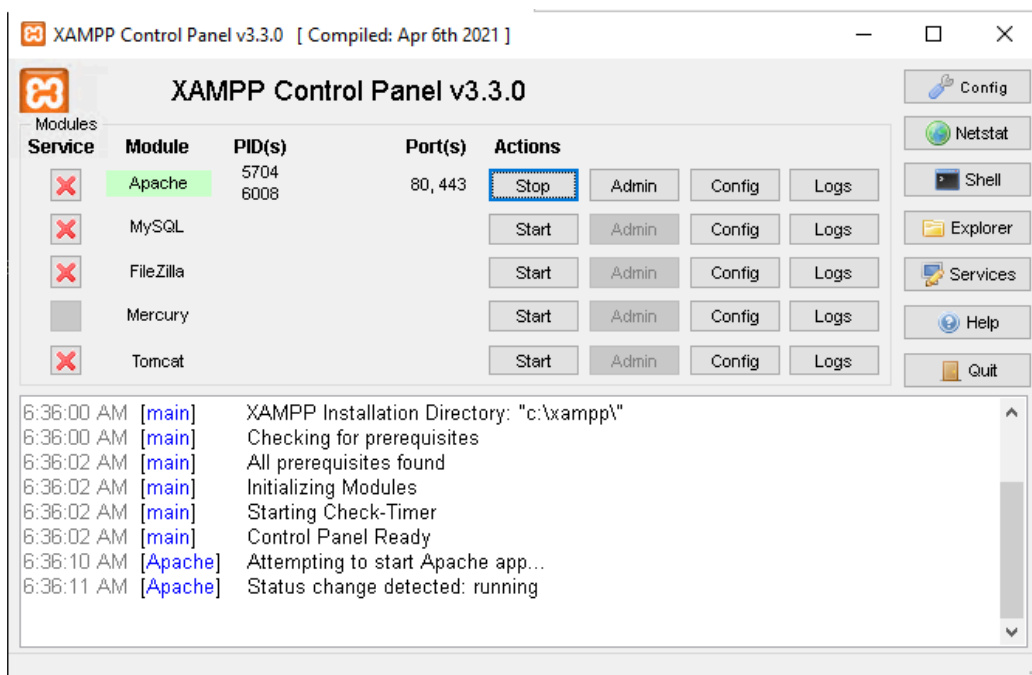
- Go to firewall properties



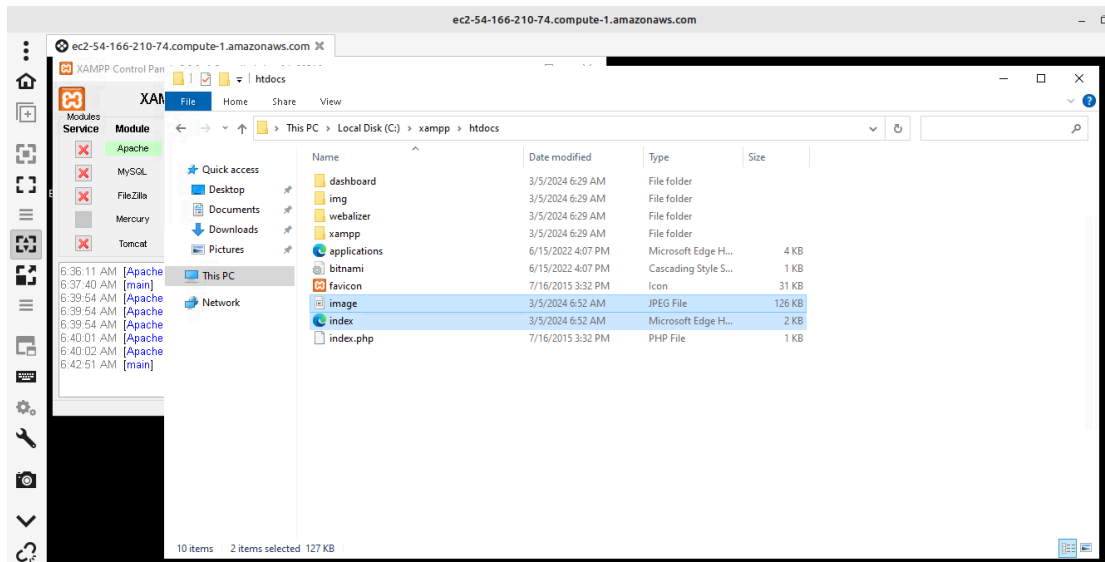
- Allow the domain profile and other profile



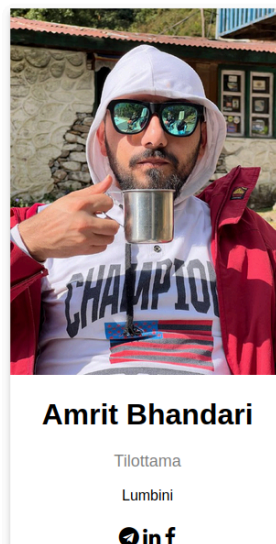
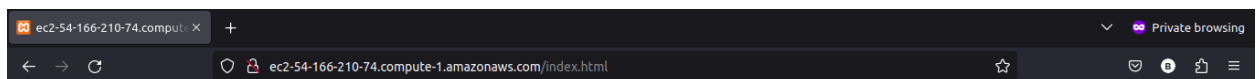
- Start Apache server



- Copy files to htdocs folder in C drive



- Hosted site can be retrieved using the ip or ipv public dns



- Connect to linux EC2 instance

Connect to instance [Info](#)

Connect to your instance i-03adabebebf372818 (linuxwebserver) using any of these options

EC2 Instance Connect | Session Manager | SSH client | EC2 serial console

Instance ID
i-03adabebebf372818 (linuxwebserver)

Connection Type

☒ **Connect using EC2 Instance Connect**
Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.

☐ **Connect using EC2 Instance Connect Endpoint**
Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

Public IP address
35.171.88.102

Username
Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ec2-user.
ec2-user

Note: In most cases, the default username, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel **Connect**

- Connect Files to linux server(EC2) go to the directory containing .pem key and run scp command

```
amrit@amrit-Inspiron-3437:~$ cd Documents/
amrit@amrit-Inspiron-3437:~/Documents$ ls
Bootcamp-Tasks  labsuser.pem  mykey.pem  tomcat.zip  windowec2.rdp
amrit@amrit-Inspiron-3437:~/Documents$ scp -i "mykey.pem" /home/amrit/Desktop/aw
s-static-website-demo-main
usage: scp [-346ABCOpqRrsTv] [-c cipher] [-D sftp_server_path] [-F ssh_config]
          [-i identity_file] [-J destination] [-l limit]
          [-o ssh_option] [-P port] [-S program] source ... target
amrit@amrit-Inspiron-3437:~/Documents$ scp -i "mykey.pem" /home/amrit/Desktop/aw
s-static-website-demo-main/* ec2-user@35.171.88.102:temp/
The authenticity of host '35.171.88.102 (35.171.88.102)' can't be established.
ED25519 key fingerprint is SHA256:GJd4KHoo/pScM5IZc24tQlK06VQ7I1Th6keUsaXrfEo.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '35.171.88.102' (ED25519) to the list of known hosts.
404.html          100% 440      1.6KB/s   00:00
image.jpeg        100% 126KB    52.2KB/s   00:02
index.html        100% 1554     5.4KB/s   00:00
amrit@amrit-Inspiron-3437:~/Documents$ ls
```

- Setup httpd server in ec2 machine using command
 sudo yum update -y
 sudo yum install httpd -y
 sudo systemctl start httpd
 sudo systemctl enable httpd
- Move the files from temp directory to /var/www/html directory

```
aws
Services
Search [Alt+S]
N. Virginia
voclabs/user3011562=learner.a

[ec2-user@ip-15-0-128-71 ~]$ ls
temp
[ec2-user@ip-15-0-128-71 ~]$ ls -la
. . . .bash_history .bash_logout .bash_profile .bashrc .ssh temp
[ec2-user@ip-15-0-128-71 ~]$ cd temp
[ec2-user@ip-15-0-128-71 temp]$ ls
404.html image.jpeg index.html
[ec2-user@ip-15-0-128-71 temp]$ sudo mv * /var/www/html/
[ec2-user@ip-15-0-128-71 temp]$ cd
[ec2-user@ip-15-0-128-71 ~]$ cd /var/www/html
[ec2-user@ip-15-0-128-71 html]$ ls
404.html image.jpeg index.html
[ec2-user@ip-15-0-128-71 html]$ sudo start httpd.service
sudo: start: command not found
[ec2-user@ip-15-0-128-71 html]$ sudo service httpd start
Redirecting to /bin/systemctl start httpd.service
[ec2-user@ip-15-0-128-71 html]$
```

- Now access the portfolio site

