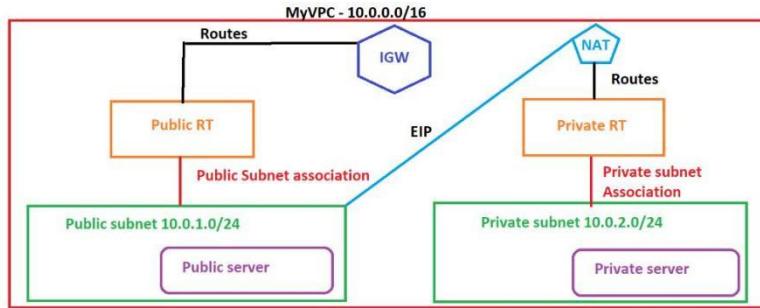


AWS Virtual Private Cloud

Steps to Create and Configure your VPC for Public and Private Server in Windows.

My VPC Architecture



STEP 1

In yourVPC - Create VPC - Set a name (**My VPC**) - IPv4 CIDR (**10.0.0.0/16**) - Tenancy (**Default**)

- create a VPC.

The screenshot shows the AWS VPC settings creation page and the resulting VPC dashboard. On the left, the 'Create VPC' dialog is open, showing the following configuration:

- Resource type: VPC only
- Name tag: My VPC
- IPv4 CIDR: 10.0.0.0/16
- Tenancy: Default

The right side of the screen shows the 'Your VPCs (1/2)' page, which lists the newly created VPC 'My VPC' with its details:

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP option set
My VPC	vpc-044fc3be852326db	Available	10.0.0.0/16	-	dopt-01ea268502d

Below this, the 'vpc-044fc3be852326db / My VPC' details page is shown, providing more specific information about the VPC's configuration.

STEP 2

In Subnets - Create Subnet - Set a name (**Public Subnet**) - Avail Zone (**1a**) - IPv4 CIDR block

(**10.0.1.0/24**) - create a public subnet.

The screenshot shows the 'Subnet settings' step of the VPC subnet creation wizard. It includes fields for Subnet name ('Public Subnet'), Availability Zone ('ap-south-1a'), and IPv4 CIDR block ('10.0.1.0/24').

STEP 3

Create Subnet - Set a name (Private Subnet) - Avail Zone (1b) - IPv4 CIDR block (10.0.2.0/24)

- create a private subnet.

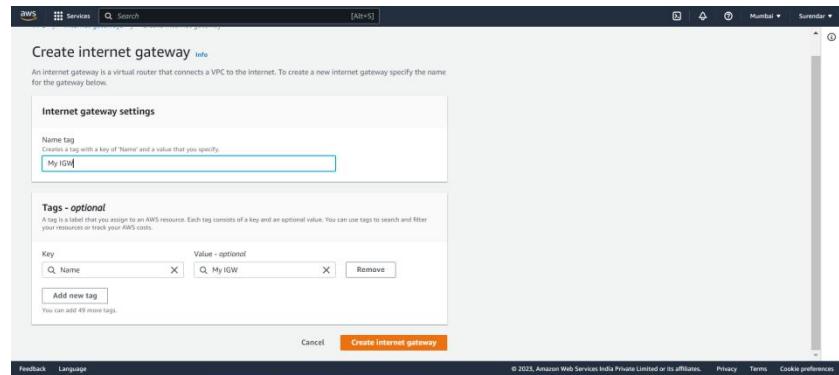
The screenshot shows the 'Subnet settings' step of the VPC subnet creation wizard, identical to the previous one but with the availability zone set to 'ap-south-1b'.

The screenshot shows the 'Subnets (5)' list page. The table displays the following information:

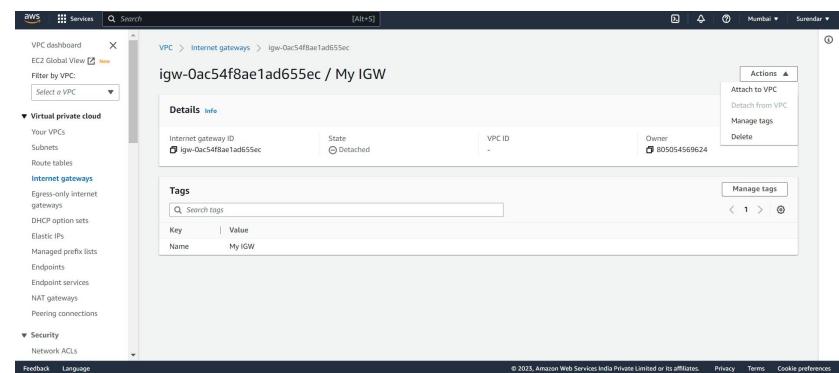
Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
Private Subnet	subnet-0cfc99b605ad04b671	Available	vpc-044fc3be852326db My VPC	10.0.2.0/24	-
Public Subnet	subnet-0a394c8858af94	Available	vpc-044fc3be852326db My VPC	10.0.1.0/24	-
-	subnet-0073a538bb0897f53	Available	vpc-0f2c2f40beb3cb153	172.31.32.0/20	-
-	subnet-085255dc957aafa54	Available	vpc-0f2c2f40beb3cb153	172.31.16.0/20	-
-	subnet-005b0157b2e49bf1e	Available	vpc-0f2c2f40beb3cb153	172.31.0.0/20	-

STEP 4

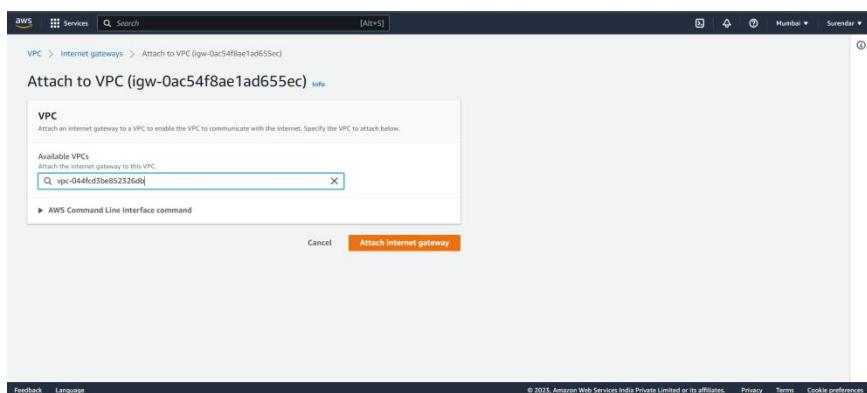
In Internet Gateway - Create Internet Gateway - Set a name (**MY IGW**) - create.



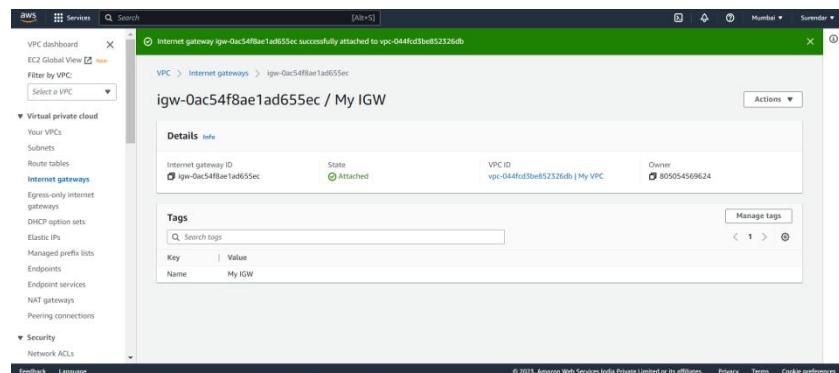
After created IGW it will be in **Detached** - In Action - Select **Attach to VPC**.



Choose **MY VPC** - Attach internet Gateway.

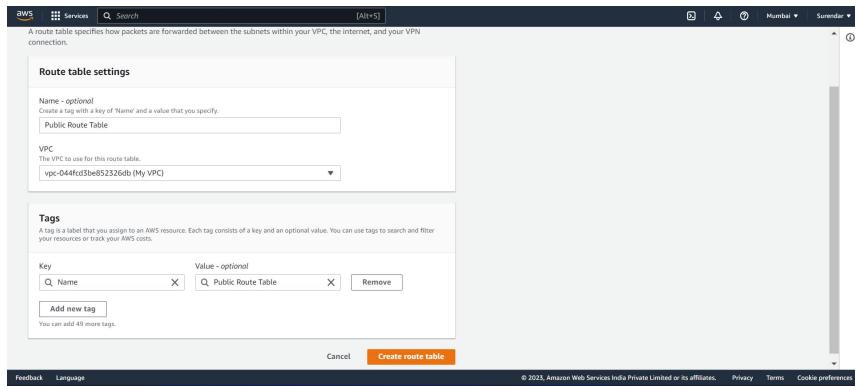


Now Successfully Attached My VPC in Internet gateway.

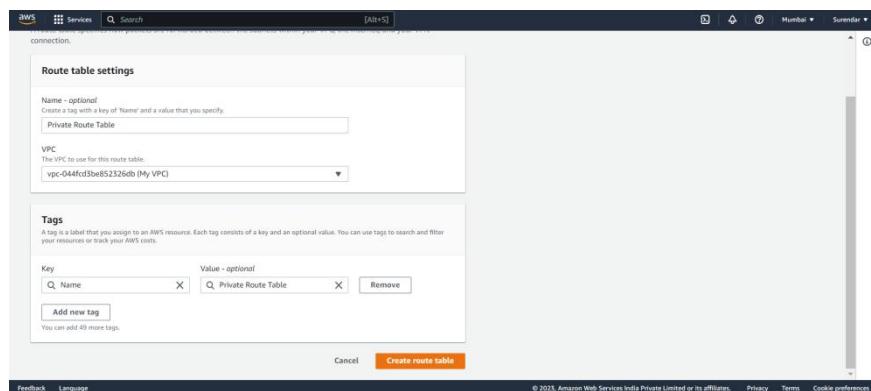


STEP 5

In Route Tables - Create - Set a name (**Public Route Table**) - Choose **My VPC** - Create route table.



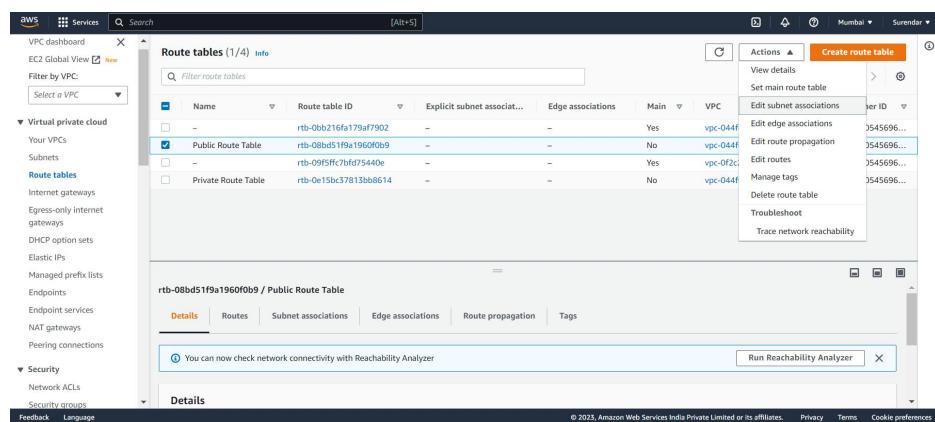
Create - Set a name (**Private Route Table**) - Choose **My VPC** - Create route table.



STEP 6

create a subnet association for both public and private route tables

In route table - Select **Public route table** - Action - edit subnet Association.



Choose Public Subnet - Save association.

Available subnets (1/2)

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
Private Subnet	subnet-0cb99b05ad04b671	10.0.2.0/24	-	Main (rtb-0bb216fa179af7902)
Public Subnet	subnet-0aa394ca98338af94	10.0.1.0/24	-	Main (rtb-0bb216fa179af7902)

Selected subnets

subnet-0aa394ca98338af94 / Public Subnet X

[Cancel](#) **Save associations**

Select Private route table - Action - edit subnet Association.

Route tables (1/4) Info

Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC
-	rtb-0bb216fa179af7902	-	-	Yes	vpc-044f
Public Route Table	rtb-08bd51f9a1960f0b9	subnet-0aa394ca98338...	-	No	vpc-044f
-	rtb-09f5ff7bfdf75440e	-	-	Yes	vpc-0f2c
Private Route Table	rtb-0e15bc37813bb8614	-	-	No	vpc-044f

rtb-0e15bc37813bb8614 / Private Route Table

Details [Routes](#) [Subnet associations](#) [Edge associations](#) [Route propagation](#) [Tags](#)

You can now check network connectivity with Reachability Analyzer [Run Reachability Analyzer](#)

[Create route table](#)

Choose Private Subnet - Save association.

Available subnets (1/2)

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
Private Subnet	subnet-0cb99b05ad04b671	10.0.2.0/24	-	Main (rtb-0bb216fa179af7902)
Public Subnet	subnet-0aa394ca98338af94	10.0.1.0/24	-	rtb-08bd51f9a1960f0b9 / Public Route Table

Selected subnets

subnet-0cb99b05ad04b671 / Private Subnet X

[Cancel](#) **Save associations**

STEP 7

In NAT gateway - create NAT gateway - Set a name (**My NAT**) - Subnet choose (**Public Subnet**)

- Allocate Elastic IP - create NAT gateway.

NAT gateway settings

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

The name can be up to 256 characters long.

Subnet
Select a subnet in which to create the NAT gateway.

Connectivity type
Select a connectivity type for the NAT gateway.
 Public
 Private

Elastic IP allocation ID [Info](#)
Assign an Elastic IP address to the NAT gateway.

[Allocate Elastic IP](#)

[Additional settings](#)

[Feedback](#) [Language](#)

NAT gateways (1/1) Info

Name	NAT gateway ID	Connectivity...	State	State message	Primary public I...	Primary private ...
My NAT	nat-098d2ba61174ace41	Public	Available	-	65.0.34.228	10.0.1.186

[Details](#) [Secondary IPv4 addresses](#) [Monitoring](#) [Tags](#)

Details

NAT gateway ID: nat-098d2ba61174ace41 | Connectivity type: Public | State: Available | State message: -

[Edit](#) [Delete](#) [Share](#)

[Feedback](#) [Language](#)

STEP 8

Create a Route - select **Public route table** - Actions - **edit routes**.

Route tables (1/4) Info

Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC
rtb-0bb216fa179af7902	-	-	-	Yes	vpc-044f
Public Route Table	rtb-0bbd51f9a1960f0b9	subnet-0aa394ca983358...	-	No	vpc-044f
rtb-09f5ff7bf075404e	-	-	-	Yes	vpc-0f2c
Private Route Table	rtb-0e15bc57813bb8614	subnet-0c8c99b05ad04...	-	No	vpc-044f

[Actions](#) [Create route table](#)

[View details](#) [Set main route table](#) [Edit subnet associations](#) [Edit edge associations](#) [Edit route propagation](#) [Manage tags](#) [Delete route table](#) [Trace network reachability](#)

rtb-0bbd51f9a1960f0b9 / Public Route Table

[Details](#) [Routes](#) [Subnet associations](#) [Edge associations](#) [Route propagation](#) [Tags](#)

You can now check network connectivity with Reachability Analyzer [Run Reachability Analyzer](#)

[Feedback](#) [Language](#)

Destination (**0.0.0.0/0**) open IP - Target (**Internet Gateway IP**) - save changes.

The screenshot shows the 'Edit routes' section of the AWS VPC Route Tables interface. There are two routes listed:

- Destination: 10.0.0.0/16, Target: local, Status: Active, Propagated: No
- Destination: 0.0.0.0/0, Target: igw-0ax54f8ae1ad655ec, Status: -, Propagated: No

At the bottom right, there are 'Cancel', 'Preview', and 'Save changes' buttons. The 'Save changes' button is highlighted in orange.

Select (**Private route table**) - Action - **edit routes** - Destination (**0.0.0.0/0**) open IP - Target choose **NAT gateway (my NAT)** - save changes.

The screenshot shows the 'Edit routes' section of the AWS VPC Route Tables interface. There are two routes listed:

- Destination: 10.0.0.0/16, Target: local, Status: Active, Propagated: No
- Destination: 0.0.0.0/0, Target: nat-098d2ba61174ace4, Status: -, Propagated: No

At the bottom right, there are 'Cancel', 'Preview', and 'Save changes' buttons. The 'Save changes' button is highlighted in orange.

STEP 9

In security group - create -Set a name (**PublicSecurityGroup-MyVPC**)-Description (**PublicSecurityGroup-MyVPC**) - Remove default VPC - Add **My VPC** -

Inbound Rule - Type :**All TCP** - Source: **Anywhere IPv4** -

Type :**HTTP** - Source:**Anywhere IPv4**.

Create Security group.

The screenshot shows the 'Create security group' interface. In the 'Basic details' section, the security group name is set to 'PublicSecurityGroup-MyVPC', the description is 'PublicSecurityGroup-MyVPC', and the VPC is 'vpc-044fc3be852326db'. In the 'Inbound rules' section, there are two rules defined:

- Type: All TCP, Protocol: TCP, Port range: 0 - 65535, Source: Anywhere..., Description - optional: (empty)
- Type: HTTP, Protocol: TCP, Port range: 80, Source: Anywhere..., Description - optional: (empty)

create -Set a name (**PrivateSecurityGroup-MyVPC**)-Description (**PrivateSecurityGroup-MyVPC**) - Remove default VPC - Add My VPC -

Inbound Rule - Type :**All TCP** - Source:**PublicSecuritygroup** - Create Security Group.

STEP 10

Then, In EC2 - launch 2 instance in windows server as a name of Public and Private server.

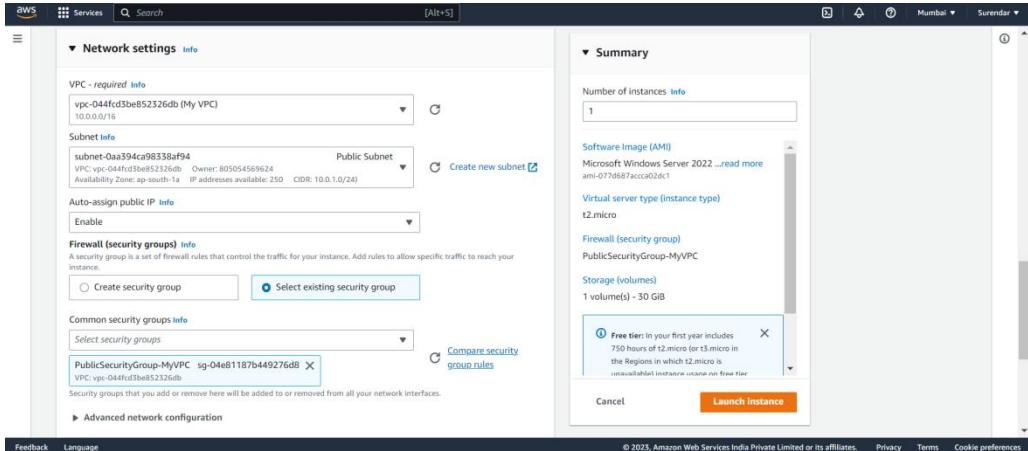
Create a Public Instance

Set a name (**Public Server**) - choose **Windows OS** in AMI - Choose .pem key file.

Network setting - edit - choose **My VPC** - Subnet choose **Public Subnet** -

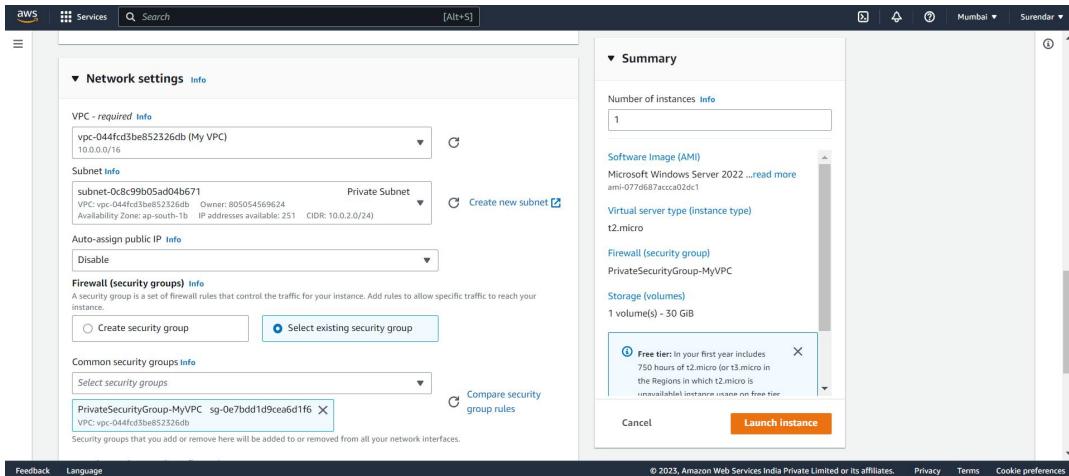
Auto-assign publicIP (**Enable**) - Comon Security group Choose (**publicsecuritygroup-MyVPC**)

- Launch instance.



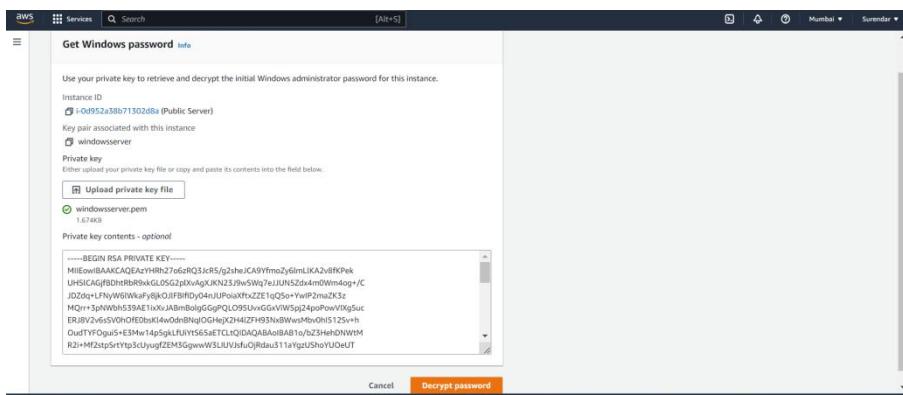
Now create private instance

Set a name (**Private Server**) - Choose **windows OS** in AMI - Choose **.pem key file** - Network setting (edit) -**VPC (My VPC)**- Subnet choose (**Private Subnet**) - Auto-assign publicIP (**Disable**) - common security group choose (**PrivateSecurityGroup-MyVPC**) - Launch Instance.



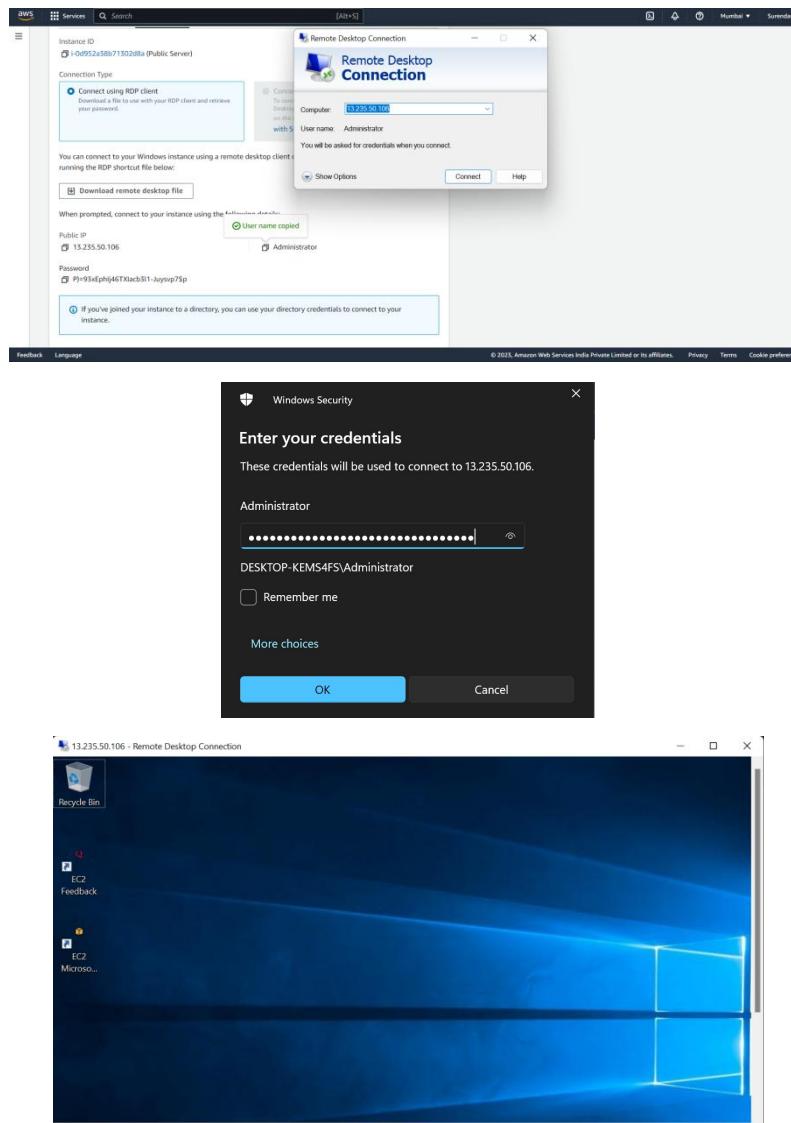
STEP 11

Connect the **Public server instance** - decrypt password



STEP 12

Open Remote Desktop Connection - Connect the **public Windows server** using Specific credentials.



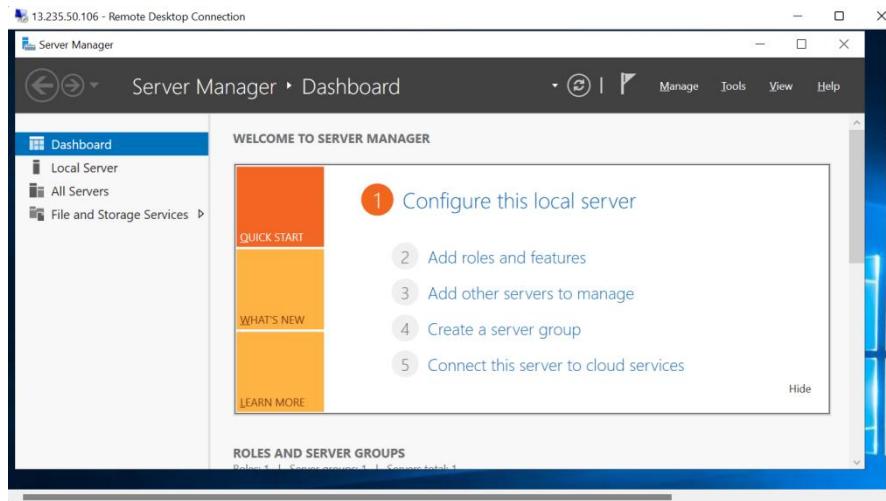
STEP 13

After Successfully connect the Public windows server in RDP.

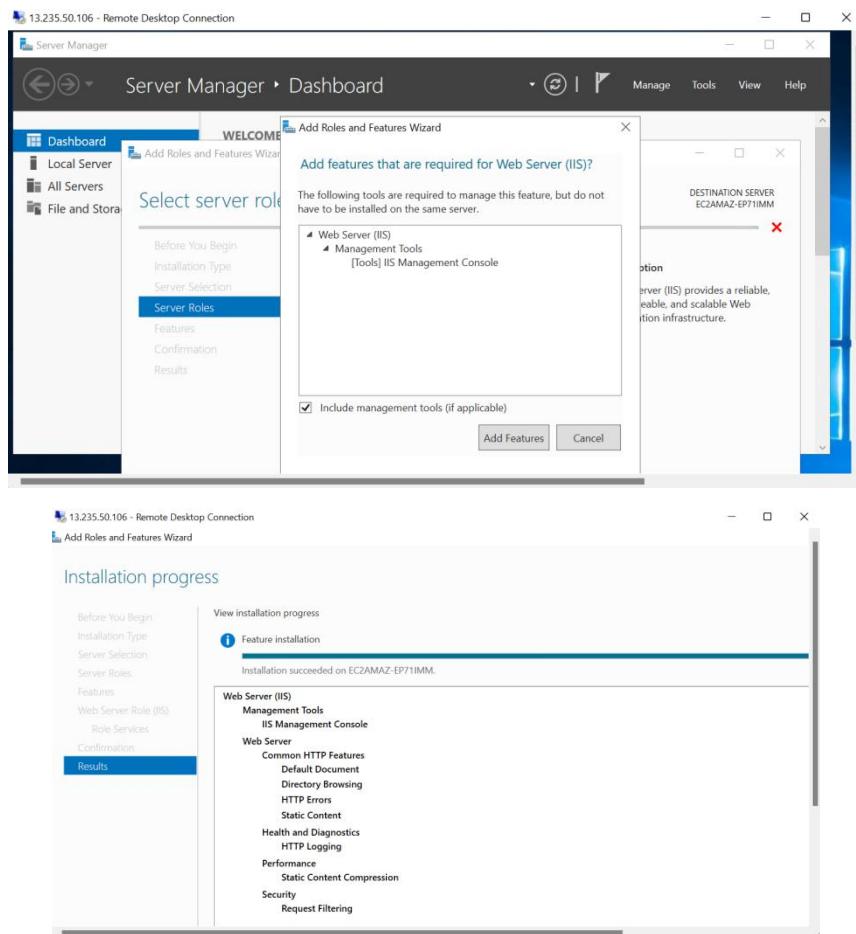
Now, Install webserver (IIS) to host a website through Public server.

In Remote Desktop Connection

Open Server manager - Add roles and features.



Select Web Server IIS - Install IIS.

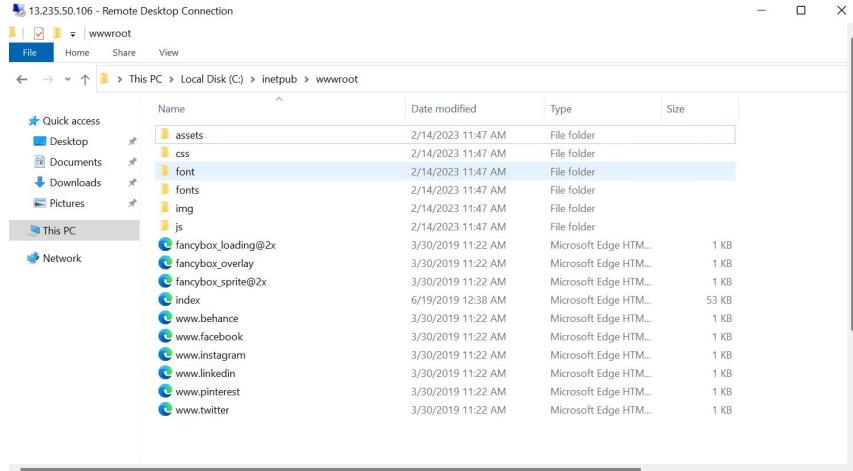


STEP 14

In, Remote Desktop Connection

After Successfully installed IIS webserver in Public server.

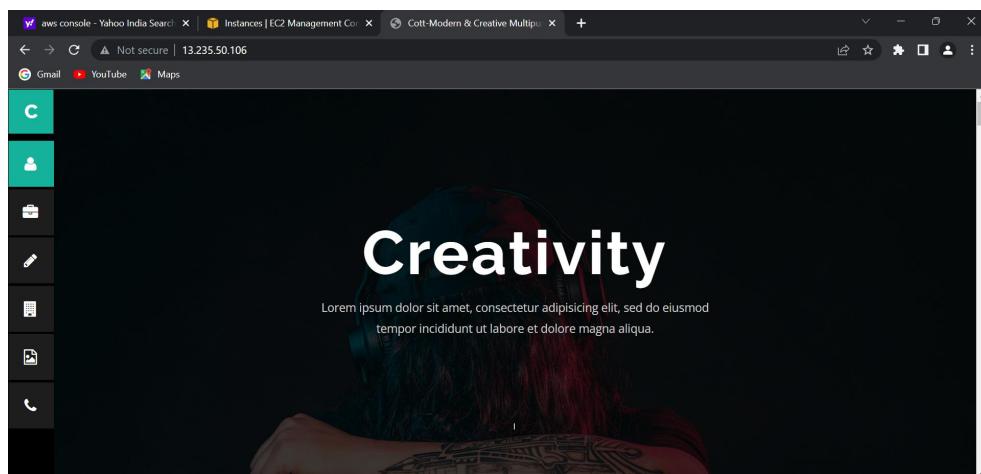
Open filebrowser - Localdisk C - inetpub - www.root - remove default files - paste website content files.



STEP 15

In chrome

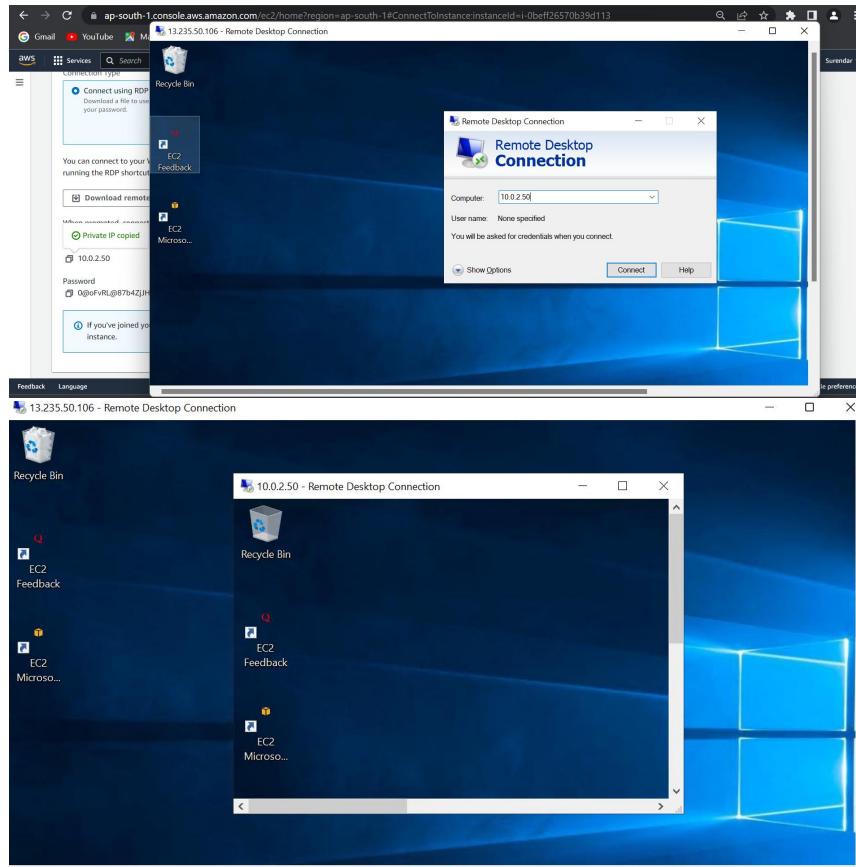
Paste Public server Instance IPv4 address as (<http://13.235.50.106>)



Successfully config yourVPC and hosted a website in public server.

STEP 16

Connect the **private server Instance - Decrypt Password** - After login as a public server in RDP - Open **Remote Desktop connection** - enter the **private server specific credentials**



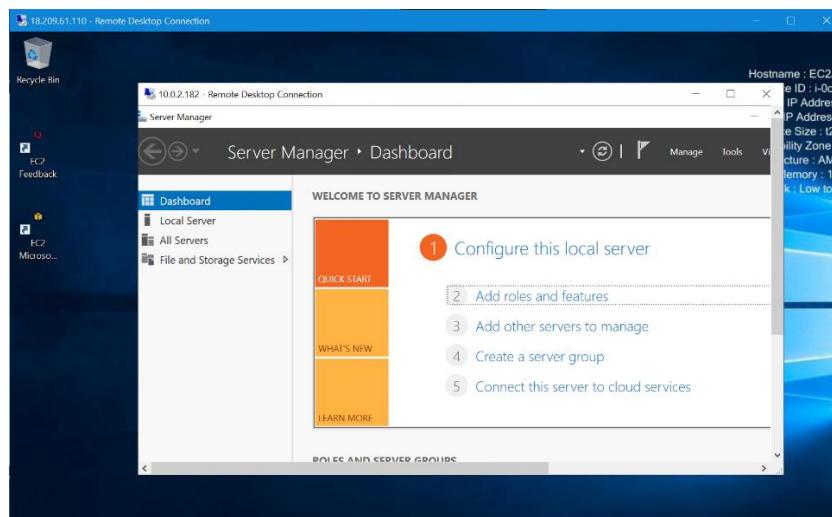
STEP 17

After Successfully connect the Private windows server in Public windows Server using RDP.

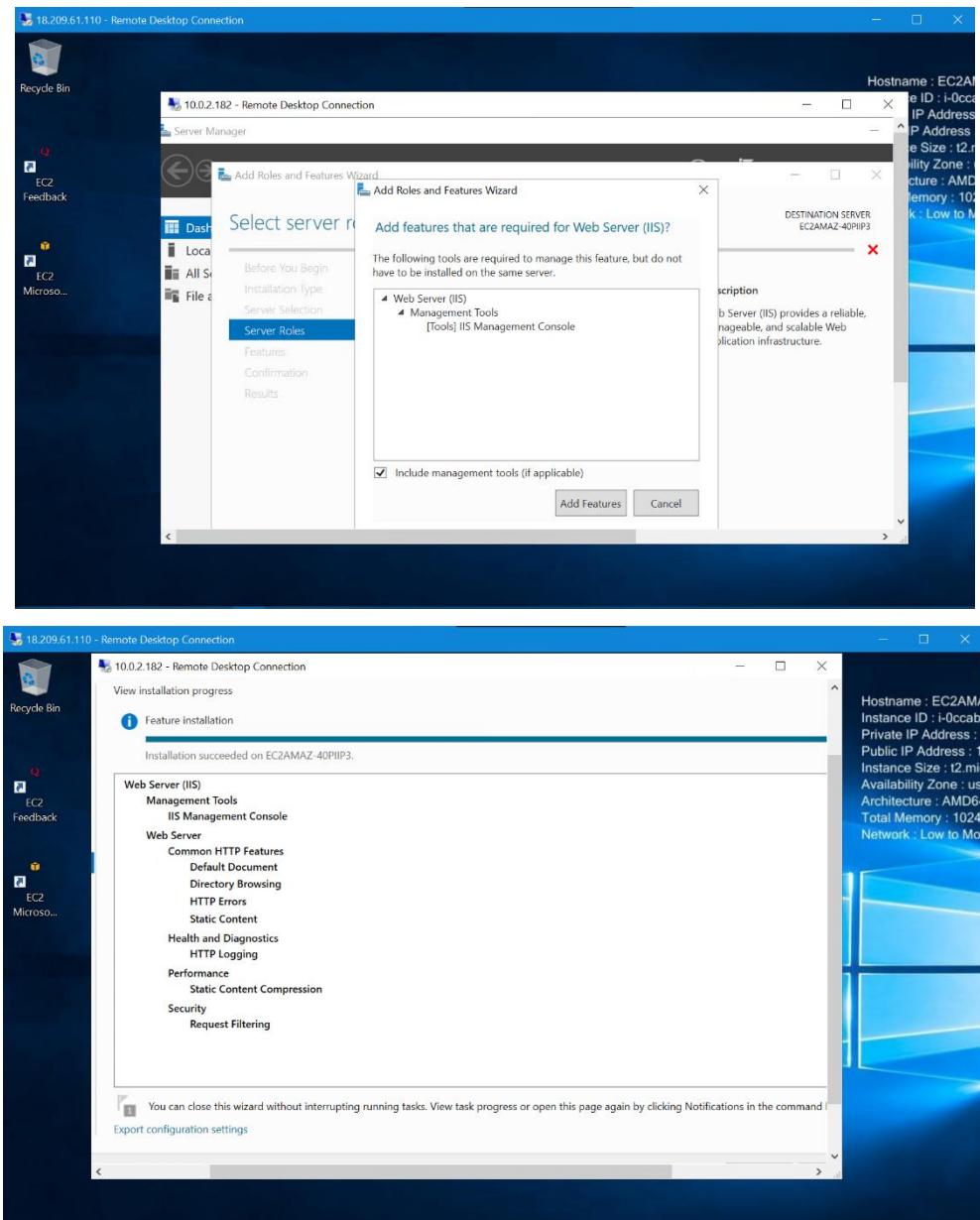
Now, Install webserver (IIS) to host a website through Private Server IP address.

In Remote Desktop Connection

Open Server manager - Add roles and features.



Select Web Server IIS - Install IIS.

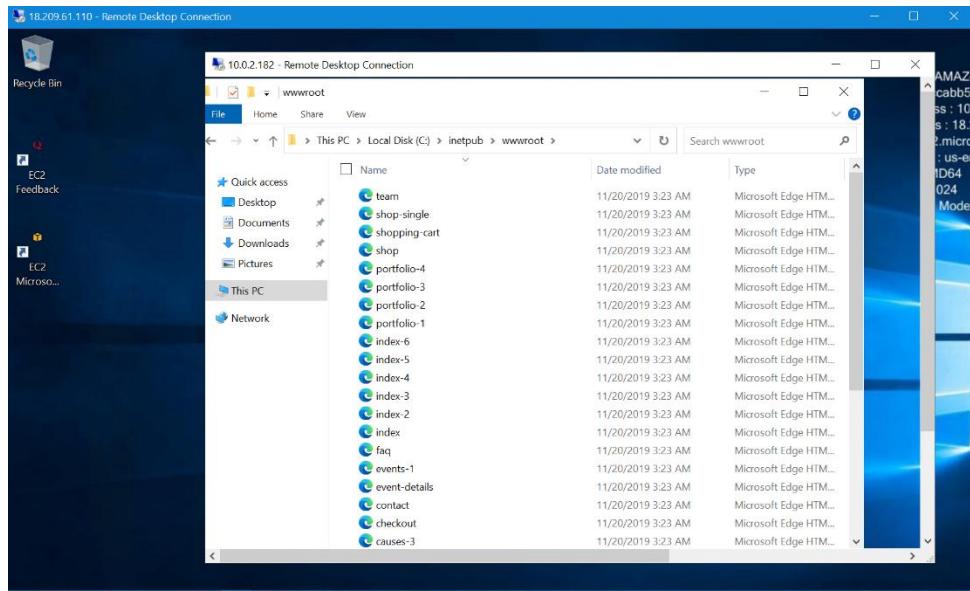


STEP 18

In, Remote Desktop Connection

After Successfully installed IIS webserver in Private server.

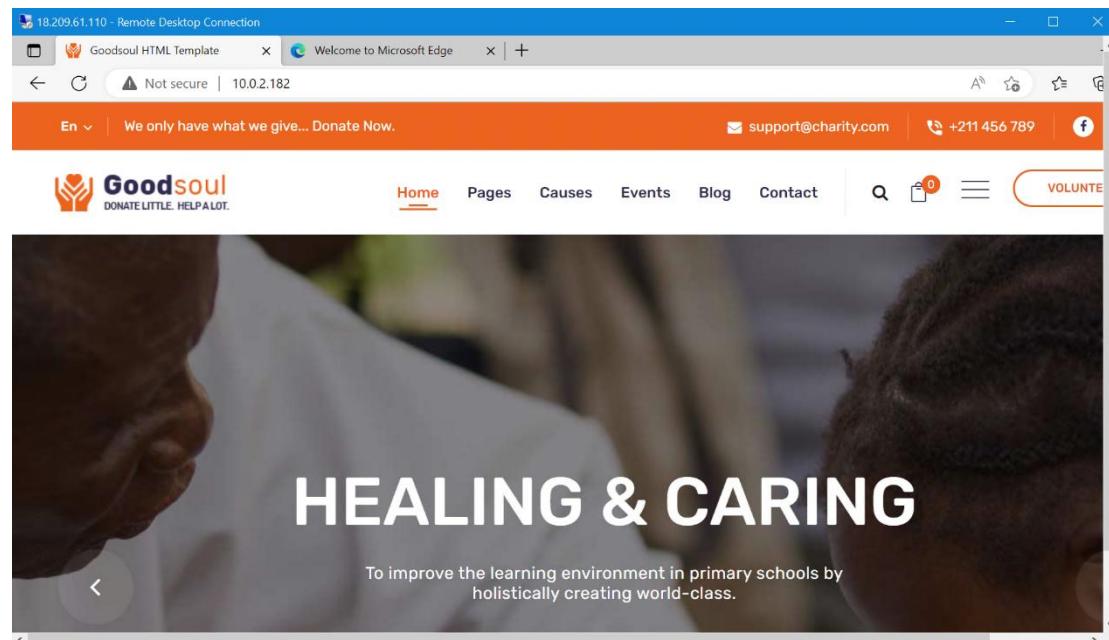
Open filebrowser - Localdisk C - inetpub - www.root - remove default files - paste website content files.



STEP 19

Open Chrome in Public Server.

Paste Private server Private IPv4 address as (<http://10.0.2.182>)

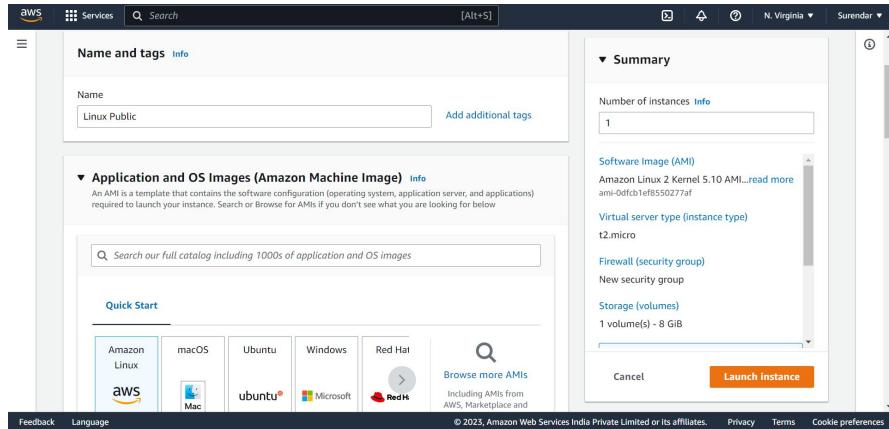


Successfully Hosted the Private Server Website through Public Server using RDP.

STEPS to Host a Website through Public Linux Server in Amazon Linux after successfully created and configured Your VPC.

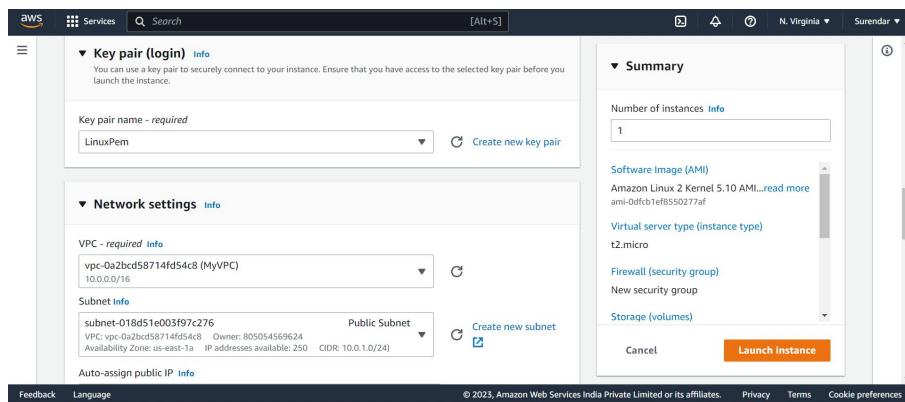
STEP 1

Launch instance - Set a name - choose Amazon Linux in AMI.



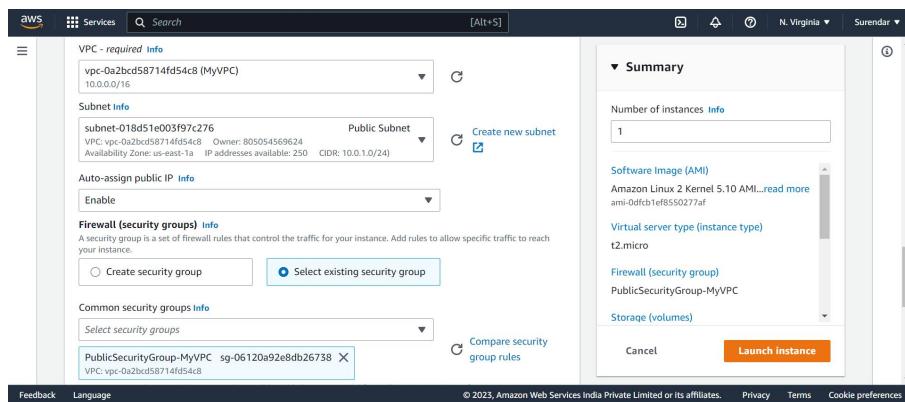
STEP 2

Create a new linuxpem key pair file (NOTE: create .ppk keyfile also if connecting the linux server with putty / winscp)



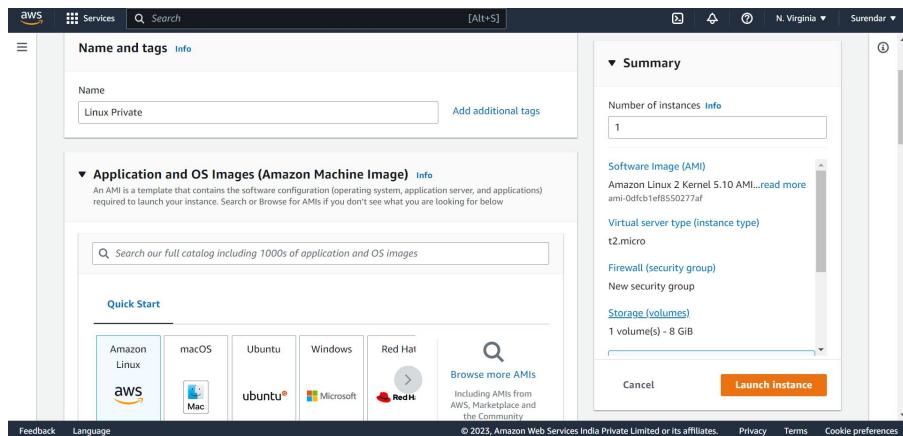
STEP 3

In Network Setting (edit) - choose MYVPC - Subnet (PublicSubnet) - Auto-Assign (Enable) - choose Existing PublicSecuritygroup-MyVPC - Launch Instance.



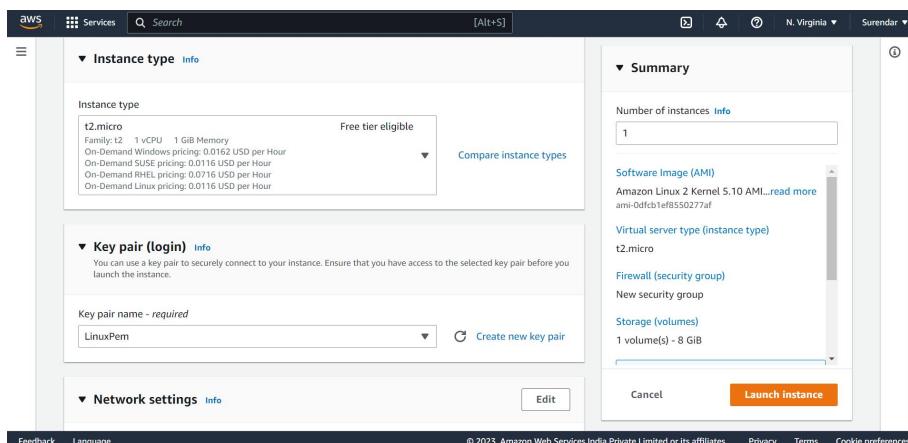
STEP 4

Launch instance for Private Linux Server - Choose Amazon Linux in AMI.



STEP 5

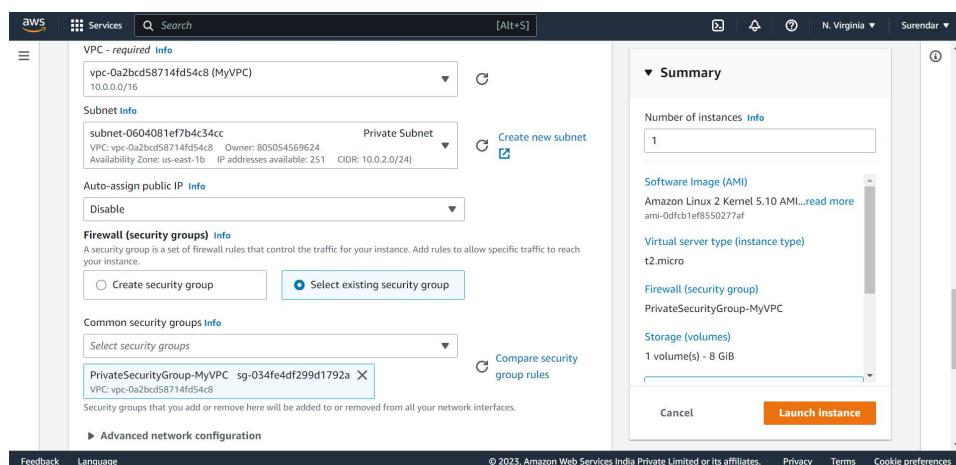
Choose same pem keyfile which have been chosen for Linux Public server.



STEP 6

In network Setting (edit) - choose MyVPC - choose Private Subnet - Auto assign Public IP

(Disable) - Choose Existing PrivateSecurityGroup-MyVPC - Launch instance.



STEP 7

Ensure both Security group in inbound rule, is the SSH port and HTTP port are added.

Name	Security group rule ID	Port range	Protocol	Source	Security groups	Description
sg-0000000000000000	sgp-0000000000000000	22	TCP	0.0.0.0/0	PublicSecuritygroup	
sg-0777777777777777	sgp-0777777777777777	80	TCP	0.0.0.0/0	PublicSecuritygroup	

Name	Security group rule ID	Port range	Protocol	Source	Security groups	Description
sg-0000000000000000	sgp-0000000000000000	22	TCP	sg-0000000000000000	PrivateSecuritygroup	
sg-0777777777777777	sgp-0777777777777777	80	TCP	sg-0000000000000000	PrivateSecuritygroup	

STEP 8

After connected the Public Linux server - Follow below commands steps and install httpd service.

\$sudo -i

#yum update -y

#yum install httpd -y

```

Last login: Fri Feb 17 12:34:40 2023 from ec2-3-0-5-36.ap-southeast-1.compute.amazonaws.com
[Alt+S]

https://aws.amazon.com/amazon-linux-2/
[root@ip-10-0-1-245 ~]$ sudo -i
[root@ip-10-0-1-245 ~]$ yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
No packages marked for update
[root@ip-10-0-1-245 ~]$ yum install httpd -y
Loaded plugins: extras_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-openssl-1.1.1e-amzn2 for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: mod_ssl.x86_64 = 2.4.54-1.amzn2.x86_64 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-filesystems for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: /etc/nime.types for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: libaprutil1.x86_64 for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: libapr-1.x86_64(44bit) for package: httpd-2.4.54-1.amzn2.x86_64
--> Running transaction check
--> Package apr.x86_64 0:1.7.2-2.amzn2 will be installed
--> Package apr-util.x86_64 0:1.6.3-1.amzn2 will be installed
--> Package apr-util-nomodsecurity.x86_64 0:1.6.3-1.amzn2.0.1 for package: apr-util-1.6.3-1.amzn2.0.1.x86_64
--> Package generic-logon-htpasswd.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 apr-util-sqlite.x86_64 0:1.1.19-1.amzn2.0.1 will be installed
--> Package apr-util-bdb.x86_64 0:1.6.3-1.amzn2.0.1 will be installed
--> Finished Dependency Resolution
Dependencies Resolved

```

STEP 9

After installed the httpd service - start the httpd service and check the status (Active Running) (Enabled)

```
#systemctl start httpd
```

```
#systemctl enable httpd
```

```
#systemctl status httpd
```

STEP 10

Download the Application website template in linux server using wget command in /var/www/html path

```
#cd /var/www/htm
```

#wget <website .zip URL>

#unzip <website zip filename>

STEP 11

After unzipped the website template - move all the website content inside website template dir to /var/www/html path

```
#cd <website template directory name>
```

```
#mv * /var/www/html
```

```
#cd ..
```

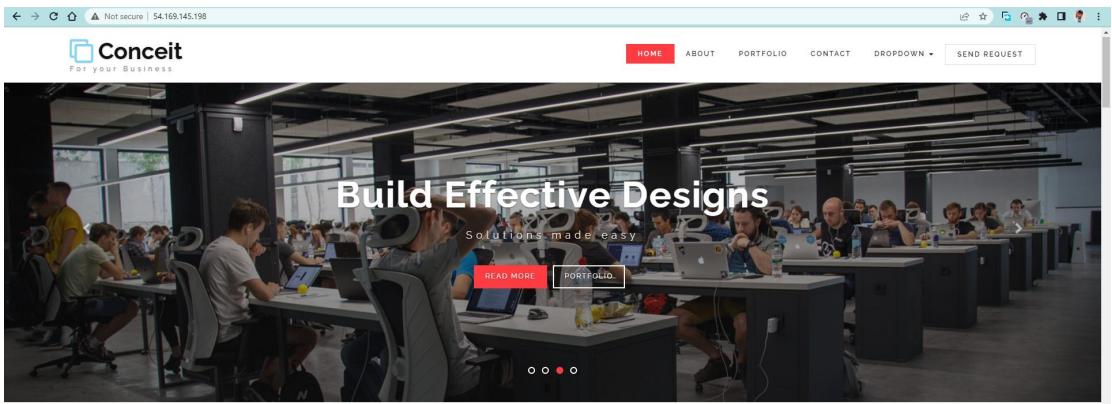
#ls

All website content inside website template dir are moved into /var/www/html directory.

```
aws Services Search [Alt+S]
[root@ip-10-0-1-245 ~] ls
Corporate-Business-Responsive-Website-Template-Free-Download Corporate-Business-Responsive-Website-Template-Free-Download.zip
[root@ip-10-0-1-245 ~] ll
total 148
drwxr-xr-x 1 root root 12284 Jun 19 2019 404.html
-rw-r--r-- 1 root root 13548 Jun 19 2019 about.html
drwxr-xr-x 2 root root 1093 Jun 19 2019 contact
drwxr-xr-x 3 root root 4096 Jun 19 2019 fonts
drwxr-xr-x 3 root root 4096 Jun 19 2019 images
drwxr-xr-x 2 root root 28350 Jun 19 2019 index.html
drwxr-xr-x 2 root root 13548 Jun 19 2019 portfolio
-rw-r--r-- 1 root root 15147 Jun 19 2019 portfolio.html
-rw-r--r-- 1 root root 614 Mar 30 2019 services.html
-rw-r--r-- 1 root root 11239 Jun 19 2019 signin.html
-rw-r--r-- 1 root root 11700 Jun 19 2019 signup.html
-rw-r--r-- 1 root root 13874 Jun 19 2019 single.html
[root@ip-10-0-1-245 ~] mv Corporate-Business-Responsive-Website-Template-Free-Download/* /var/www/html
[root@ip-10-0-1-245 ~] ll
total 0
[root@ip-10-0-1-245 ~] cd ..
[root@ip-10-0-1-245 ~] ll
total 3128
-rw-r--r-- 1 root root 12284 Jun 19 2019 404.html
-rw-r--r-- 1 root root 13549 Jun 19 2019 about.html
-rw-r--r-- 1 root root 13548 Jun 19 2019 contact.html
drwxr-xr-x 2 root root 6 Feb 17 13102 Corporate-Business-Responsive-Website-Template-Free-Download
drwxr-xr-x 2 root root 3048372 Jun 19 2019 images
drwxr-xr-x 2 root root 144 Jun 19 2019 fonts
drwxr-xr-x 2 root root 4096 Jun 19 2019 images
drwxr-xr-x 3 root root 20849 Jun 19 2019 index.html
drwxr-xr-x 2 root root 247 Jun 19 2019 portfolio
-rw-r--r-- 1 root root 15147 Jun 19 2019 portfolio.html
-rw-r--r-- 1 root root 614 Mar 30 2019 services.html
-rw-r--r-- 1 root root 11239 Jun 19 2019 signin.html
-rw-r--r-- 1 root root 11700 Jun 19 2019 signup.html
-rw-r--r-- 1 root root 13874 Jun 19 2019 single.html
[root@ip-10-0-1-245 ~] ll
```

STEP 12

Copy Ipv4 Public IP for linux public server and paste in chrome tab as
<http://54.169.145.198>



About Us

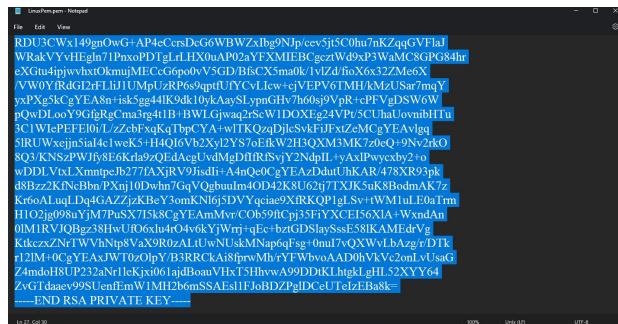


Successfully hosted application Website through Linux Public server in Amazon Linux.

Steps To login a private Linux server in Public linux server and Ensuring Private Linux Server is Pinging after adding a website content files in /var/www/html path.

STEP 13

Open the Linuxpem .pem keyfile in notepad and copy all the content



STEP 14

In LinuxPublic Server

```
#cd ~
```

#vi pemfile

<paste all the .pem keyfile content >

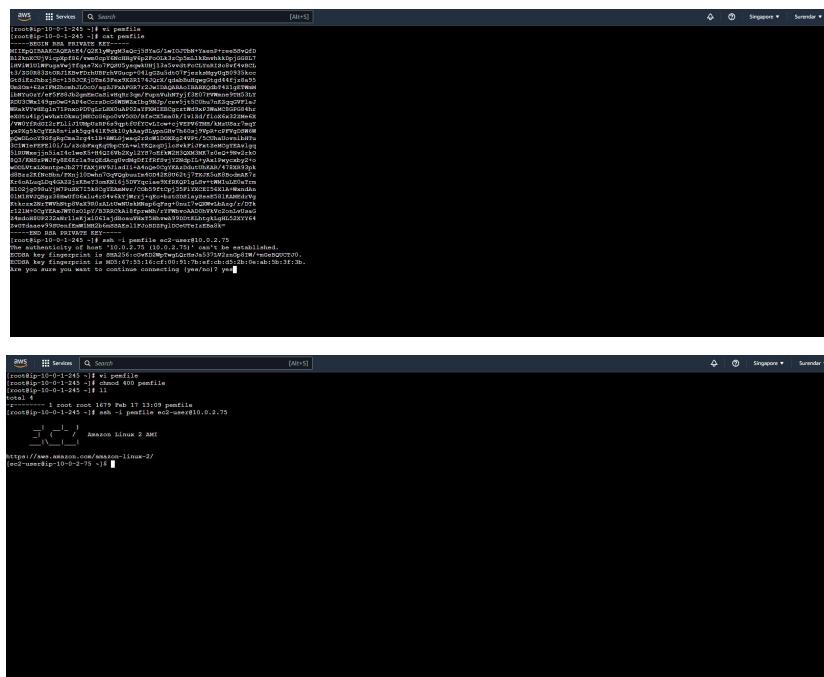
:wq!

```
#chmod 400 pemfile
```

Now Login private linux server inside public Linux Server using ssh command

```
#ssh -i pemfile ec2-user@10.0.2.75
```

Yes



Successfully login private linux server inside public linux server using ssh command.

STEP 15

```
$sudo -i
```

```
#yum update -y
```

```
#yum install httpd -y
```

STEP 16

```
#systemctl start httpd
```

```
#systemctl enable httpd
```

```
[root@ip-10-0-2-75 ~]# ./service_start.sh
[09/07] generic-logger-httpsd-10.0.0-4.amzn2.noarch.rpm
[09/07] httpsd-2.4.54-1.amzn2.x86_64.rpm
[09/07] httpd-tools-2.4.54-1.amzn2.x86_64.rpm
[09/07] httpd-2.4.54-1.amzn2.x86_64.rpm
[09/07] mod_http2-2.15.19-1.amzn2.x86_64.rpm
[09/07] httpd-filesystems-2.4.54-1.amzn2.noarch.rpm

Total: 2.9 Mb/a | 1.9 Mb 00:00:00

Running transaction check
Running transaction test
Transaction test succeeded

[root@ip-10-0-2-75 ~]# ./service_start.sh
Installing : apr-1.7.2-1.amzn2.x86_64
Verifying : apr-1.7.2-1.amzn2.x86_64
Installing : apr-util-libs-1.6.3-1.amzn2.0.1.x86_64
Verifying : apr-util-libs-1.6.3-1.amzn2.0.1.x86_64
Installing : httpd-2.4.54-1.amzn2.x86_64
Verifying : httpd-2.4.54-1.amzn2.x86_64
Installing : generic-logger-httpsd-10.0.0-4.amzn2.noarch
Verifying : generic-logger-httpsd-10.0.0-4.amzn2.noarch
Installing : mod_http2-2.15.19-1.amzn2.x86_64
Verifying : mod_http2-2.15.19-1.amzn2.x86_64
Installing : httpd-2.4.54-1.amzn2.x86_64
Verifying : httpd-2.4.54-1.amzn2.x86_64
Verifying : httpd-tools-2.4.54-1.amzn2.x86_64
Verifying : mod_http2-1.15.19-1.amzn2.0.1.x86_64
Verifying : httpd-2.4.54-1.amzn2.x86_64
Verifying : httpd-tools-2.4.54-1.amzn2.x86_64
Verifying : mod_http2-1.15.19-1.amzn2.0.1.x86_64
Verifying : httpd-2.4.54-1.amzn2.x86_64
Verifying : httpd-tools-2.4.54-1.amzn2.x86_64
Verifying : mod_http2-1.14.3-1.amzn2.noarch
Verifying : generic-logger-httpsd-10.0.0-4.amzn2.noarch
Verifying : httpd-filesystems-2.4.54-1.amzn2.noarch

Installed:
httpd.x86_64 0:2.4.54-1.amzn2

Dependency Installed:
apr.x86_64 0:1.7.2-1.amzn2
apr-util.x86_64 0:1.6.3-1.amzn2.0.1
apr-util-bdb.x86_64 0:1.6.3-1.amzn2.0.1
generic-logger-httpsd.noarch 0:10.0.0-4.amzn2
httpd-filesystems.noarch 0:2.4.54-1.amzn2

Completed:
[root@ip-10-0-2-75 ~]# systemctl start httpd
[root@ip-10-0-2-75 ~]# systemctl enable httpd
[root@ip-10-0-2-75 ~]# systemctl start httpd
[root@ip-10-0-2-75 ~]#
```

STEP 17

```
#cd /var/www/html
```

#wget <website .zip URL>

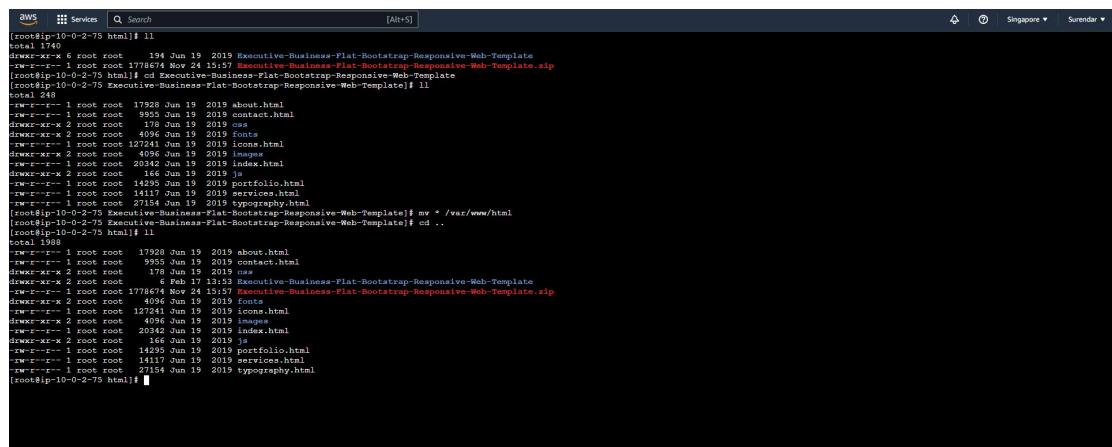
#unzip <website zip filename>

```
aws [ ] Services [ ] Search [ ] [AWS-S] [ ] Singapore [ ] Surrender [ ]  
[root@ip-10-0-2-75 ~]# cd /var/www/html/  
[root@ip-10-0-2-75 ~]# wget http://themeseso.com/media/items/files/2022/03/Executive-Business-Flat-Bootstrap-Responsive-Web-Template.zip  
[root@ip-10-0-2-75 ~]# wget http://themeseso.com/media/items/files/2022/03/Executive-Business-Flat-Bootstrap-Responsive-Web-Template.zip  
Connecting to themeseso.com (themeseso.com)|104.156.239.199|:80... connected.  
Resolving themeseso.com (themeseso.com)... 104.156.239.199  
Length: 1778674 (1.3M) [application/zip]  
Saving to: 'Executive-Business-Flat-Bootstrap-Responsive-Web-Template.zip'  
100%[=██████████] 1,778,674 2.00MB/s in 0.8s  
2022-02-17 13:51:45 (2.04 MB/s) - "Executive-Business-Flat-Bootstrap-Responsive-Web-Template.zip" saved [1778674/1778674]  
[root@ip-10-0-2-75 ~]# ls  
total 1740  
drwxr-xr-x 2 root root 1778674 Nov 24 15:57 Executive-Business-Flat-Bootstrap-Responsive-Web-Template.zip  
[root@ip-10-0-2-75 ~]# unzip "Executive-Business-Flat-Bootstrap-Responsive-Web-Template.zip"  
Archive: ./Executive-Business-Flat-Bootstrap-Responsive-Web-Template.zip  
  creating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/  
  inflating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/contact.html  
  creating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/contact/  
  inflating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/contact/contact.html  
  creating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/contact/contactCoder.html  
  inflating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/css/bootstrap.css  
  inflating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/css/bootstrap-responsive.css  
  inflating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/css/bootstrap-responsive-ie7.css  
  inflating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/css/font-awesome.css  
  inflating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/css/font-awesome-ie7.css  
  inflating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/css/owl.carousel.css  
  inflating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/css/owl.carousel.ie7.css  
  inflating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/fonts/contawesone-wolfontsh62.eot  
  inflating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/fonts/contawesone-wolfontsh62.woff  
  inflating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/fonts/contawesone-wolfontsh62.ttf  
  inflating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/fonts/contawesone-wolfontsh62.woff2  
  inflating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/fonts/contawesone-wolfontdldd.eot  
  inflating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/fonts/glyphicons-halflings-regular-2.html  
  inflating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/fonts/glyphicons-halflings-regular-3.html  
  inflating: Executive-Business-Flat-Bootstrap-Responsive-Web-Template/fonts/glyphicons-halflings-regular-4.html
```

STEP 18

```
#cd <website template directory name>
#mv * /var/www/html
#cd ..
#ls
```

All website content inside website template dir are moved into /var/www/html directory.

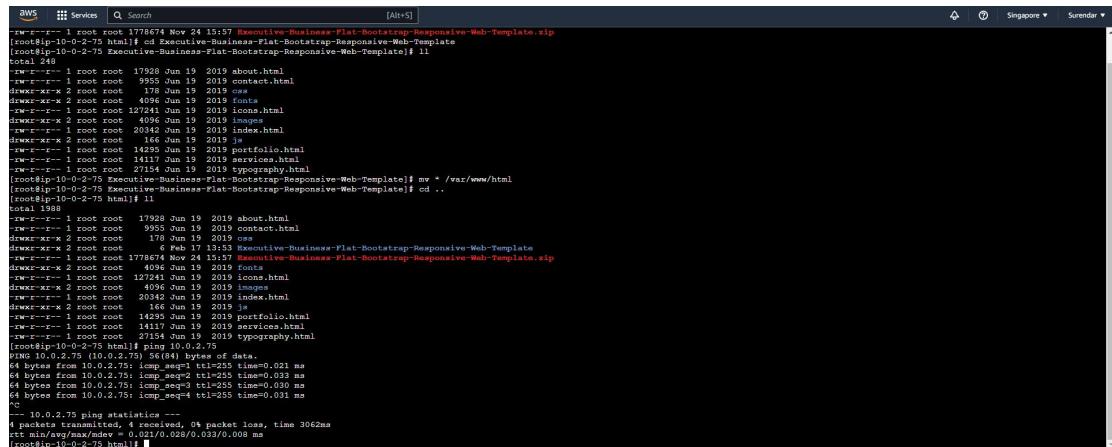


```
AWS Services Search [Alt+S]
[root@ip-10-0-2-75 html]# ls
total 1740
drwxr-xr-x 6 root root 194 Jun 19 2019 Executive-Business-Flat-Bootstrap-Responsive-Web-Template
-rw-r--r-- 1 root root 1778674 Nov 24 15:57 Executive-Business-Flat-Bootstrap-Responsive-Web-Template.zip
[root@ip-10-0-2-75 html]# cd Executive-Business-Flat-Bootstrap-Responsive-Web-Template
[root@ip-10-0-2-75 Executive-Business-Flat-Bootstrap-Responsive-Web-Template]# ll
total 248
-rw-r--r-- 1 root root 17928 Jun 19 2019 about.html
-rw-r--r-- 1 root root 9955 Jun 19 2019 contact.html
drwxr-xr-x 2 root root 178 Jun 19 2019 css
drwxr-xr-x 2 root root 4096 Jun 19 2019 fonts
-rw-r--r-- 1 root root 127241 Jun 19 2019 icons.html
drwxr-xr-x 2 root root 178 Jun 19 2019 images
-rw-r--r-- 1 root root 20342 Jun 19 2019 index.html
drwxr-xr-x 2 root root 166 Jun 19 2019 js
drwxr-xr-x 2 root root 14295 Jun 19 2019 portfolio.html
-rw-r--r-- 1 root root 14117 Jun 19 2019 services.html
-rw-r--r-- 1 root root 27154 Jun 19 2019 typography.html
[root@ip-10-0-2-75 Executive-Business-Flat-Bootstrap-Responsive-Web-Template]# mv * /var/www/html
[root@ip-10-0-2-75 html]# ll
total 1988
-rw-r--r-- 1 root root 17928 Jun 19 2019 about.html
-rw-r--r-- 1 root root 9955 Jun 19 2019 contact.html
drwxr-xr-x 2 root root 178 Jun 19 2019 css
drwxr-xr-x 2 root root 4096 Jun 19 2019 fonts
drwxr-xr-x 1 root root 1778674 Nov 24 15:57 Executive-Business-Flat-Bootstrap-Responsive-Web-Template.zip
drwxr-xr-x 2 root root 178 Jun 19 2019 images
drwxr-xr-x 2 root root 178 Jun 19 2019 portfolio.html
drwxr-xr-x 2 root root 4096 Jun 19 2019 typography.html
drwxr-xr-x 1 root root 20342 Jun 19 2019 index.html
drwxr-xr-x 2 root root 166 Jun 19 2019 js
drwxr-xr-x 2 root root 14295 Jun 19 2019 portfolio.html
-rw-r--r-- 1 root root 14117 Jun 19 2019 services.html
-rw-r--r-- 1 root root 27154 Jun 19 2019 typography.html
[root@ip-10-0-2-75 html]#
```

STEP 19

Ping Linux Private server private IPv4 using ping command

```
#ping 10.0.2.75
```



```
AWS Services Search [Alt+S]
[root@ip-10-0-2-75 html]# cd Executive-Business-Flat-Bootstrap-Responsive-Web-Template
[root@ip-10-0-2-75 Executive-Business-Flat-Bootstrap-Responsive-Web-Template]# ll
total 1988
-rw-r--r-- 1 root root 17928 Jun 19 2019 about.html
-rw-r--r-- 1 root root 9955 Jun 19 2019 contact.html
drwxr-xr-x 2 root root 178 Jun 19 2019 css
drwxr-xr-x 2 root root 4096 Jun 19 2019 fonts
-rw-r--r-- 1 root root 127241 Jun 19 2019 icons.html
drwxr-xr-x 2 root root 20342 Jun 19 2019 index.html
drwxr-xr-x 2 root root 166 Jun 19 2019 js
drwxr-xr-x 2 root root 14295 Jun 19 2019 portfolio.html
-rw-r--r-- 1 root root 14117 Jun 19 2019 services.html
-rw-r--r-- 1 root root 27154 Jun 19 2019 typography.html
[root@ip-10-0-2-75 Executive-Business-Flat-Bootstrap-Responsive-Web-Template]# mv * /var/www/html
[root@ip-10-0-2-75 html]# cd ..
[root@ip-10-0-2-75 ~]# ping 10.0.2.75
PING 10.0.2.75 (10.0.2.75) 56(84) bytes of data.
64 bytes from 10.0.2.75: icmp_seq=1 ttl=255 time=0.021 ms
64 bytes from 10.0.2.75: icmp_seq=2 ttl=255 time=0.033 ms
64 bytes from 10.0.2.75: icmp_seq=3 ttl=255 time=0.030 ms
64 bytes from 10.0.2.75: icmp_seq=4 ttl=255 time=0.031 ms
```
-- 10.0.2.75 ping statistics --
4 packets transmitted, 4 received, 0% packet loss, time 306ms
rtt min/avg/max/mdev = 0.021/0.028/0.033/0.008 ms
[root@ip-10-0-2-75 html]#
```