

AWS ASSESSMENT PROJECT

1) Create a VPC with a private subnet and a public subnet

Name	Subnet ID	State	VPC	IPv4 CIDR	Available IPv4	IPv6 CIDR	Availability Zone	Available
MyPublicSubnet	subnet-05a18077273c627f8	available	vpc-0232e24765796dcf6 MyVPC	10.0.0.0/24	251	-	us-east-1f	use1-
MyPrivateSubnet	subnet-0ac711477c757d778	available	vpc-0232e24765796dcf6 MyVPC	10.0.1.0/24	251	-	us-east-1f	use1-
Subnet: subnet-19e4a054	subnet-19e4a054	available	vpc-92ca0aef MyVPC	172.31.16.0/20	4091	-	us-east-1c	use1-

Name	Subnet ID	State	VPC	IPv4 CIDR	Available IPv4	IPv6 CIDR	Availability Zone	Available
MyPublicSubnet	subnet-05a18077273c627f8	available	vpc-0232e24765796dcf6 MyVPC	10.0.0.0/24	251	-	us-east-1f	use1-
MyPrivateSubnet	subnet-0ac711477c757d778	available	vpc-0232e24765796dcf6 MyVPC	10.0.1.0/24	251	-	us-east-1f	use1-
Subnet: subnet-19e4a054	subnet-19e4a054	available	vpc-92ca0aef MyVPC	172.31.16.0/20	4091	-	us-east-1c	use1-

2) Create a IGW and associate with the public subnet

The screenshot shows the AWS VPC Management Console. A green banner at the top states: "The following internet gateway was created: igw-0682dbc3fddd3ec98. You can now attach to a VPC to enable the VPC to communicate with the internet." Below this, the "Actions" button is highlighted.

Details tab (selected):

Internet gateway ID	igw-0682dbc3fddd3ec98	State	Detached	VPC ID	-	Owner	304865234293
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Tags section:

Key	Value
Name	MyIGW

The screenshot shows the AWS VPC Management Console. A green banner at the top states: "Internet gateway igw-0682dbc3fddd3ec98 successfully attached to vpc-0232e24765796dcf6".

Internet gateways (2) table:

Name	Internet gateway ID	State	VPC ID	Owner
MyIGW	igw-0682dbc3fddd3ec98	Attached	vpc-0232e24765796dcf6 MyVPC	304865234293
-	igw-3d5c6b46	Attached	vpc-92ca0aef	304865234293

Select an internet gateway above

3)Create a route table with VPC

The screenshot shows the 'Create route table' wizard in the AWS VPC Management console. The 'Name tag' field is set to 'PublicRouteTable'. The 'VPC' dropdown is set to 'vpc-0232e24765796ddfb'. Below these fields is a section for tags, which currently has no tags. A note says 'This resource currently has no tags'. There is a 'Add Tag' button and a message indicating 50 remaining tags. At the bottom right are 'Cancel' and 'Create' buttons. A note at the bottom left says '* Required'.



The screenshot shows the 'Route Tables' page in the AWS VPC Management console. On the left, there is a navigation sidebar with options like 'New VPC Experience', 'VPC Dashboard', 'Route Tables', 'Internet Gateways', 'Egress Only Internet Gateways', 'Carrier Gateways', 'DHCP Options Sets', 'Elastic IPs', 'Managed Prefix Lists', 'Endpoints', 'Endpoint Services', 'NAT Gateways', and 'Peering Connections'. The 'Route Tables' section is selected. The main area displays a table of route tables. One row is highlighted, showing details for a route table named 'PublicRoute...'. The table includes columns for Name, Route Table ID, Explicit subnet association, Edge associations, Main, VPC ID, and Owner. The 'Main' column for the highlighted row shows 'No'. The 'Owner' column shows 'vpc-0232e24765796ddfb | MyVPC'. Below the table, there is a summary card for the route table 'rtb-0f952120818e0e18f'. The card shows the Route Table ID, Explicitly Associated with (which is empty), and the Owner (304065234293). The bottom of the screen shows the Windows taskbar with the AWS VPC Management console icon.

4.Creating two instances using linux

The screenshot shows the AWS EC2 Management Console. The left sidebar is collapsed, and the main area displays the 'Instances' section. Two instances are listed:

Name	Instance ID	Instance state	Instance type	Status check	Alarm Status	Availability zone	Public IPv4 DNS
MyPublicEC2...	i-0315249f80473244e	Running	t2.micro	2/2 checks ...	No alarms +	us-east-1f	-
MyPrivateEC...	i-012772c2f0229989a	Running	t2.micro	2/2 checks ...	No alarms +	us-east-1f	-

The details for the first instance, MyPublicEC2Server, are shown in the expanded view:

Instance summary		
Instance ID	Public IPv4 address	Private IPv4 addresses
i-0315249f80473244e (MyPublicEC2Server)	3.236.138.67 open address	10.0.0.99
Instance state	Public IPv4 DNS	Private IPv4 DNS
Running	-	ip-10-0-0-99.ec2.internal
Instance type	Elastic IP addresses	VPC ID
t2.micro	-	vpc-0232e24765796dcf6 (MyVPC)
AWS Compute Optimizer finding	IAM Role	Subnet ID
Opt-in	-	-

This screenshot is identical to the one above, showing the AWS EC2 Management Console with the same two instances listed and their details expanded for the MyPrivateEC2Server instance.

5)Create a NAT gateway and associate with public subnet

The screenshot shows the 'Create NAT gateway' wizard in the AWS VPC Management Console. The 'NAT gateway settings' step is active. It includes fields for 'Name - optional' (MyNAT), 'Subnet' (subnet-05a18077273c627f8 (MyPublicSubnet)), and 'Elastic IP allocation ID' (eipalloc-04639278da71a952f). An 'Allocate Elastic IP' button is present. Below this, the 'Tags' section allows adding a tag with 'Key' (Name) and 'Value - optional' (MyNAT). The browser status bar at the bottom indicates the URL is https://console.aws.amazon.com/vpc/home?region=us-east-1#CreateNatGateway:, and the page is from 2020.

The screenshot shows the 'NAT gateways (1/1)' page in the AWS VPC Management Console. A single NAT gateway named 'MyNAT' is listed. Its details are shown in a modal: NAT gateway ID (nat-0373d81c408f8f97e), State (Available), State message (-), Elastic IP address (50.16.192.250), and Private IP address (10.0.0.193). The browser status bar at the bottom indicates the URL is https://console.aws.amazon.com/vpc/home?region=us-east-1#NatGateways:, and the page is from 2020.

Destination	Target	Status	Propagated
10.0.0.0/16	local	active	No
0.0.0.0/0	nat-0373d81c408fb97e		No

* Required Cancel Save routes



6) Connect the public instance and copy the private key and login to private ip

```

MIEpAIBAKCAQEAYwJfcUID/uuzR+r/87YwyIaJ0E0KIG4/GSoGotFTtCmbmSBu
rMlaaLxCyhttIXlM8zPxggVx7Ricfdah3ccfJVcv32DzBNV4e7AsSU060APy3
UiVRax2x9d7qUPUoM/9dNa0c2zQ/HZDf18e0NtpF06FTgzbvfo4iHak
cWLUBREZxmdW60gKuBng0Jc+Ee+wMUVe09+r+X4JKWkjZsu0gSuPrf6FYV2MI
6nb5xs3kb143W7fQteEneeqa0Idw7ws r17YTlp0Lphas0/dulgkq3ETUkMN
R/B9vePswCacEf01gjJtUyf+cLwaLi3LZZvgwIDAQABaoIBAAOA3/rJLZHrqX9L
OnQhQeJECB7TJY1xNkF6dyeadDU9gMuJcx/A1Bt6P2zhTDziMoLu0L1+nTk
1fNy29TX2H6eD6HosoKreS5wXnGFK8p+Fevr+aEVaznFeUdxq0tY1nWSIzea
qf/BnuPwpUhl+l1qprh1DNNCMpF7JCg96pPjTP5fr2yttRez23ccq0je7CRNEEr
tSm14MeMekH66w+vq3Lz3P1xSU0cU7M12fK0nX+VFx2jx55By/60kownEMK8lnAk
YBa4GcB/rGujomF0k.ranNyNEh1QtwtBQ4aqjFCPI0gyA5M4p1.HVEFK2jacy18wxpp
IKGwGSECg/EA72PK07R+4ByBgl.xh7s05rkVtj5bKzUbSxmoea96Ba0SuAn1WPs
7wTOVfZyH+LpAbatQuhW8AVzCEDx1Au5A0kj1YCuvzTIlqDjtjxrb0/F8/jqC
jiJxtt1/GglrreXLYyxM0TdwG180drpcarjARRYxgm628x2jvZoxvMcg/EA28Rhd
Vt20G/hfdaaZCz/gr9YmhDGU2ghBe1f90jdaw5C/eyp+aqGbwtJTr0JM
Su0c0WmAjAPw3nbwkV1e8HUEl2uYchph1y4HTMFJZufnN2LuzFPStj0H3hmAZ
b7O6Y/7iYs1BuLyjby20Mjv5by16y5m5d0o+EcgYA1+2dMPKd9vaaVvcpuUhP
RKWe6xYxJmjIKj51Kcy6AQ2moA41jdawChFQvhkweRVuLxHzzQg3dNAb+
YYvcopKHx/kL0/Qzo92VD0Dx0dUrD9D0o4ve2tYV88vkibecnwTYYvk07XSe12
aUmD0A2Y1kahNmV06et2hvkBgQCo1vAN4u3grPkiwSeIhx4702u3Jzd65.lqdM
U+6Dx010kQNVDgdijUzHc8UahmAQq3mElHmUp4udtvhX0EEIp0qd73EgFuHEV0aI
V4hdVvt0xyWOSaxSu6dmnd9tzezuXF1axvxCoo7gF6yQuoGX71qqkDE1kKVSwx
hBCn0K8q0DN1vj+QM1LzaqJZzng+dc4kW54F5y10HDY70fk4/cU3MrwN0ctn3a
wLzaaV4N15/w02iTMIXDMNxrglUr/zLxVPnn8zdVsTbingRSpclMnt04p1MhWTB
rFvJNTF3F3X0TQ1/kTN7qcrrh1pgojFE/hz80jJWq0yeGuapDc19wg==

-----END RSA PRIVATE KEY-----

```

i-0315249f80473244e (MyPublicEC2Server)

Public IPs: 3.236.138.67 Private IPs: 10.0.0.99



```
Day 12 Assignment.pdf x Instances | EC2 Management Co... o-0315249f80473244e (MyPublic) + [+]
https://console.aws.amazon.com/ec2/v2/connect/ec2-user/o-0315249f80473244e
Not syncing

5u0c0WFaAjAPW3nBwkvIe8HUE12oYhchphy4HXTMfjZufnL2LuZFP5ljh3hmAZ
b7c2Y71YsLBuLcybj20Mjv5byT6y5m5Qo+zEcgYA1+zqIPKdv9aaVccpuUhP
JxNevJ6xYxJmcIJ551Rcy6A02QmoA4IjdwJChFQJvhKweRYLChzLcgdNAb+
uAmDx010kQNVGdj1uZhc8UAhmAQg3mLhUmP4udtvhX0EE1p0q73EfghUEv0aI
V4hdVVt0xyW0SaxSu5DmD9dtzeQuXVF1axwCo07gr6yKQuoGx7lqkDe11KVSwx
nBCNnoQKbgDn1v+j0N1LzqJzngd+c4kW4F5y10HD70fkd/cU3MrwQ0ctr3a
wZzaaV4N15/w0i2tTMIXDMN-Xrglr/zLxVPnn8zdvsb1qRpSpCm04p1MhvTBrF
vJNTF3F3X0Tqi/kTN7qCcrrWulpgojFE/hz80jJWq0yeGuapDcl9wg=-
-----END RSA PRIVATE KEY-----


"web-serverkey.pem" [New] 27L, 1679C written
[root@ip-10-0-0-99 ec2-user]# chmod 400 web-serverkey.pem
[root@ip-10-0-0-99 ec2-user]# ssh -i web-serverkey.pem ec2-user@10.0.1.4
The authenticity of host '10.0.1.4' ('10.0.1.4') can't be established.
EDSA key fingerprint is SHA256:rc96ueJ1MwUY64nDdbc2LFJQsVxq58pytVmHY3RQ58.
EDSA key fingerprint is MD5:3a:c8:04:5c:b7:0e:b8:7d:07:6e:8f:ec:68:40:9d:f9.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '10.0.1.4' (EDSA) to the list of known hosts.
Permission denied (publickey,gssapi-keyex,gssapi-with-mic).
[root@ip-10-0-0-99 ec2-user]# ssh -i web-serverkey.pem ec2-user@10.0.1.4

        _\   _\_) /   Amazon Linux 2 AMI
         \_\|_|\_|_|
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-10-0-1-4 ~]$
```

i-0315249f80473244e (MyPublicEC2Server)

Public IPs: 3.236.138.67 Private IPs: 10.0.0.99



7)Now launch bastion server in the public subnet

The screenshot shows the AWS EC2 Management Console with the URL <https://console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances>. The left sidebar includes links for EC2 Dashboard, Events, Tags, Limits, Instances (selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Scheduled Instances, Capacity Reservations, Images (AMIs), and Elastic Block Store (Volumes, Snapshots). The main content area displays a table of instances:

	Name	Instance ID	Instance state	Instance type	Status check	Alarm Status	Availability zone	Public IPv4 DNS
<input type="checkbox"/>	Web-Server-1	i-0d9c5fedca84c590d	Running	t2.micro	2/2 checks ...	No alarms	us-east-1a	ec2-3-209-81-31
<input type="checkbox"/>	Web-Server-2	i-0997692ca7012ad8a	Running	t2.micro	2/2 checks ...	No alarms	us-east-1a	ec2-3-222-200-2
<input checked="" type="checkbox"/>	Bastion-Server	i-0b2916c7cc0acaf78	Running	t2.micro	2/2 checks ...	No alarms	us-east-1c	ec2-3-93-52-71.a
<input type="checkbox"/>	Multi-Node EC2	i-031e249f90477244a	Running	t2.micro	2/2 checks	No alarms	us-east-1f	-

A detailed view is open for the Bastion-Server instance (i-0b2916c7cc0acaf78). The Details tab is selected, showing the following information:

Details	Security	Networking	Storage	Status Checks	Monitoring	Tags
Instance summary						
Instance ID	Public IPv4 address	Private IPv4 addresses				
i-0b2916c7cc0acaf78 (Bastion-Server)	3.95.52.71 open address	172.31.16.194				
Instance state	Public IPv4 DNS	Private IPv4 DNS				
Running	ec2-3-93-52-71.compute-1.amazonaws.com open address	ip-172-31-16-194.ec2.internal				
Instance type	Elastic IP addresses	VPC ID				
t2.micro	-	vpc-92ca0aef				

8) launch two webservers in the private subnet

The screenshot shows the AWS EC2 Management Console. The left sidebar is collapsed. The main area displays the 'Instances' section with 1/6 items. Two instances are listed:

Name	Instance ID	Instance state	Instance type	Status check	Alarm Status	Availability zone	Public IPv4 DNS
Web-Server-1	i-0d9c5fedca84c590d	Running	t2.micro	2/2 checks ...	No alarms	us-east-1a	ec2-3-209-81-31
Web-Server-2	i-0997692ca7012ad8a	Running	t2.micro	2/2 checks ...	No alarms	us-east-1a	ec2-3-222-200-2

Details for instance i-0d9c5fedca84c590d (Web-Server-1):

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0d9c5fedca84c590d (Web-Server-1)	3.209.81.31 open address	172.31.10.172
Instance state	Public IPv4 DNS	Private IPv4 DNS
Running	ec2-3-209-81-31.compute-1.amazonaws.com open address	ip-172-31-10-172.ec2.internal
Instance type	Elastic IP addresses	VPC ID
t2.micro	-	vpc-92ca0aef
AWS Compute Optimizer finding	IAM Role	Subnet ID

Details for instance i-0997692ca7012ad8a (Web-Server-2):

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0997692ca7012ad8a (Web-Server-2)	3.222.200.253 open address	172.31.5.82
Instance state	Public IPv4 DNS	Private IPv4 DNS
Running	ec2-3-222-200-253.compute-1.amazonaws.com open address	ip-172-31-5-82.ec2.internal
Instance type	Elastic IP addresses	VPC ID
t2.micro	-	vpc-92ca0aef
AWS Compute Optimizer finding	IAM Role	Subnet ID

The screenshot shows the AWS EC2 Management Console. The left sidebar is collapsed. The main area displays the 'Instances' section with 1/6 items. Two instances are listed:

Name	Instance ID	Instance state	Instance type	Status check	Alarm Status	Availability zone	Public IPv4 DNS
Web-Server-1	i-0d9c5fedca84c590d	Running	t2.micro	2/2 checks ...	No alarms	us-east-1a	ec2-3-209-81-31
Web-Server-2	i-0997692ca7012ad8a	Running	t2.micro	2/2 checks ...	No alarms	us-east-1a	ec2-3-222-200-2

Details for instance i-0d9c5fedca84c590d (Web-Server-1):

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0d9c5fedca84c590d (Web-Server-1)	3.209.81.31 open address	172.31.10.172
Instance state	Public IPv4 DNS	Private IPv4 DNS
Running	ec2-3-209-81-31.compute-1.amazonaws.com open address	ip-172-31-10-172.ec2.internal
Instance type	Elastic IP addresses	VPC ID
t2.micro	-	vpc-92ca0aef
AWS Compute Optimizer finding	IAM Role	Subnet ID

Details for instance i-0997692ca7012ad8a (Web-Server-2):

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0997692ca7012ad8a (Web-Server-2)	3.222.200.253 open address	172.31.5.82
Instance state	Public IPv4 DNS	Private IPv4 DNS
Running	ec2-3-222-200-253.compute-1.amazonaws.com open address	ip-172-31-5-82.ec2.internal
Instance type	Elastic IP addresses	VPC ID
t2.micro	-	vpc-92ca0aef
AWS Compute Optimizer finding	IAM Role	Subnet ID

9) Create a load balancer in the public subnet range

Screenshot of the AWS CloudFormation console showing the creation of a new VPC security group named "LoadBalancer-SG". The screenshot includes the AWS navigation bar, the CloudFormation service menu, and the "Create New Stack" wizard steps.

Step 3: Configure Security Groups

A security group is a set of firewall rules that control the traffic to your load balancer. On this page, you can add rules to allow specific traffic to reach your load balancer. First, decide whether to create a new security group or select an existing one.

Assign a security group:

- Create a new security group
- Select an existing security group

Filter: VPC security groups

Security Group ID	Name	Description	Actions
sg-0b9f32fe47e7c25e9	Bastion-SG	Security group for Bastion Server	Copy to new
sg-d721c6e6	default	default VPC security group	Copy to new
sg-06de9ee3ed2b1541	launch-wizard-1	launch-wizard-1 created 2020-11-10T12:34:40.268+05:30	Copy to new
<input checked="" type="checkbox"/> sg-0afc321997a7d4557	LoadBalancer-SG	Security group for the load balancer	Copy to new
sg-07915c8a23250e844	Web-Server-SG	Security group for webserver	Copy to new
sg-0083ef68e0a1e3e79	WebServer-SG	Security group for webserver	Copy to new

Cancel Previous Next: Configure Routing

Feedback English (US)

Type here to search

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Step 5: Register Targets

Register targets with your target group. If you register a target in an enabled Availability Zone, the load balancer starts routing requests to the targets as soon as the registration process completes and the target passes the initial health checks.

Registered targets

To deregister instances, select one or more registered instances and then click Remove.

Remove

Instance	Name	Port	State	Security groups	Zone
i-0d9c5f6edca84c590d	Web-Server-1	80	● running	WebServer-SG	us-east-1a
i-0997692ca7012ad8a	Web-Server-2	80	● running	WebServer-SG	us-east-1a

Instances

To register additional instances, select one or more running instances, specify a port, and then click Add. The default port is the port specified for the target group. If the instance is already registered on the specified port, you must specify a different port.

Add to registered on port 80

Search Instances

Instance	Name	State	Security groups	Zone	Subnet ID	Subnet CIDR
i-0d9c5f6edca84c590d	Web-Server-1	● running	WebServer-SG	us-east-1a	subnet-07ae1a91	172.31.0.0/20
i-0997692ca7012ad8a	Web-Server-2	● running	WebServer-SG	us-east-1a	subnet-07ae1a91	172.31.0.0/20
i-0b915c8a23250e844	Bastion Server	● running	Bastion-SG	us-east-1a	subnet-10adea94	172.31.1.0/20

Cancel Previous Next: Review

Feedback English (US)

Type here to search

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Load balancer: Web-application-LB

Name	DNS name	State	VPC ID	Availability Zones	Type	Created /
Web-application-LB	Web-application-LB-702784...	active	vpc-92ca0eef	us-east-1c, us-east-1d, ...	application	November

Basic Configuration

- Name: Web-application-LB
- ARN: arn:aws:elasticloadbalancing:us-east-1:304865234293:loadbalancer/app/Web-application-LB/183bedfeae3b63fe
- DNS name: Web-application-LB-702784020.us-east-1.elb.amazonaws.com (A Record)
- State: active
- Type: application
- Scheme: internet-facing
- IP address type: ipv4

10) Connect the Bastion server with the web server 1 & 2 private ip addresses

```

-----BEGIN RSA PRIVATE KEY-----
MIIEowIBAAKCAQEAwOZy1kahNmNvQ6ef2hwkBqQCo1AN4u3qrPkiSwIhX4702u3Jzd65LqdM
U+6Dx0100kQNVGdijUzHc8UhAmAQ3mLhUmPa4udtvhX0EEIp0qd73EgFUhEVoAI
V4hdVVt0xyWOSaxSu6Dmhd9tzeqZuXF1axvxC0o7gr6yKQuoGX71qqkE1lKVSw
nBCN0tKBgODN1vj+oM1LzAqJZng+dc4kW54f5yIOHDY70fkdc/u3MrwNOctrn3a
wWzaaF4N15/w02sTMIXDN4xrgUr/zLxVPnn8zdVsTbiqgRSpMnt04p1MhWTBrF
vJNTF3F3X0TQ1/kTN7Ccrhku1pg0jFE/hz80jWq0yequapDcl9wg==
-----END RSA PRIVATE KEY-----

"web-serverkey.pem" [New] 27L, 1679C written
[root@ip-172-31-16-194 ec2-user]# chmod web-serverkey.pem
chmod: missing operand after 'web-serverkey.pem'
Try 'chmod --help' for more information.
[root@ip-172-31-16-194 ec2-user]# chmod 400 web-serverkey.pem
[root@ip-172-31-16-194 ec2-user]# ssh -i web-serverkey.pem ec2-user@172.31.10.172
The authenticity of host '172.31.10.172' (172.31.10.172) can't be established.
ECDSA key fingerprint is SHA256:UMP200WEAa0cx93muqgyjPnju0KvXC1WHy/cY7uJ2uw.
ECDSA key fingerprint is MD5:93:45:e8:8b:7e:e8:62:84:42:91:f0:90:3b:95:00:c9.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '172.31.10.172' (ECDSA) to the list of known hosts.

[ec2-user@ip-172-31-10-172 ~]$ 

```

i-0b2916c7cc0acaf78 (Bastion-Server)

Public IPs: 3.93.52.1 Private IPs: 172.31.16.194

```
Day 12 Assignment.pdf Instances | EC2 Management Con i-0b2916c7cc0acaf78 (Bastion-Server) i-0b2916c7cc0acaf78 (Bastion-Server)
← → ⌂ https://console.aws.amazon.com/ec2/v2/connect/ec2-user/i-0b2916c7cc0acaf78
Not syncing ...
```

Installing : mailcap-2.1.41-2.amzn2.noarch 6/9
Installing : httpd-filesystem-2.4.46-1.amzn2.noarch 7/9
Installing : mod_http2-1.15.14-2.amzn2.x86_64 8/9
Installing : httpd-2.4.46-1.amzn2.x86_64 9/9
Verifying : apr-util-1.6.1-5.amzn2.0.2.x86_64 1/9
Verifying : httpd-filesystem-2.4.46-1.amzn2.noarch 2/9
Verifying : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 3/9
Verifying : httpd-tools-2.4.46-1.amzn2.x86_64 4/9
Verifying : mod_http2-1.15.14-2.amzn2.x86_64 5/9
Verifying : apr-1.6.3-5.amzn2.0.2.x86_64 6/9
Verifying : mailcap-2.1.41-2.amzn2.noarch 7/9
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 8/9
Verifying : httpd-2.4.46-1.amzn2.x86_64 9/9

Installed:
httpd.x86_64 0:2.4.46-1.amzn2

Dependency Installed:
apr.x86_64 0:1.6.3-5.amzn2.0.2 apr-util.x86_64 0:1.6.1-5.amzn2.0.2
generic-logos-httpd.noarch 0:18.0.0-4.amzn2 httpd-filesystem.noarch 0:2.4.46-1.amzn2
mailcap.noarch 0:2.1.41-2.amzn2 mod_http2.x86_64 0:1.15.14-2.amzn2

Complete!
[root@ip-172-31-10-172 ec2-user]# systemctl start httpd
[root@ip-172-31-10-172 ec2-user]# systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-10-172 ec2-user]# echo "REQUEST HANDLING BY SERVER1">INDEX.HTML
[root@ip-172-31-10-172 ec2-user]# echo "REQUEST HANDLING BY SERVER1">index.html
[root@ip-172-31-10-172 ec2-user]# exit
exit
[ec2-user@ip-172-31-10-172 ~]\$ exit
logout
Connection to 172.31.10.172 closed.
[root@ip-172-31-16-194 ec2-user]#

i-0b2916c7cc0acaf78 (Bastion-Server)

Public IPs: 3.93.52.71 Private IPs: 172.31.16.194



```
Day 12 Assignment.pdf Instances | EC2 Management Con i-0b2916c7cc0acaf78 (Bastion-Server) i-0b2916c7cc0acaf78 (Bastion-Server)
← → ⌂ https://console.aws.amazon.com/ec2/v2/connect/ec2-user/i-0b2916c7cc0acaf78
Not syncing ...
```

Installing : generic-logos-httpd-18.0.0-4.amzn2.noarch 5/9
Installing : mailcap-2.1.41-2.amzn2.noarch 6/9
Installing : httpd-filesystem-2.4.46-1.amzn2.noarch 7/9
Installing : mod_http2-1.15.14-2.amzn2.x86_64 8/9
Installing : httpd-2.4.46-1.amzn2.x86_64 9/9
Verifying : apr-util-1.6.1-5.amzn2.0.2.x86_64 1/9
Verifying : httpd-filesystem-2.4.46-1.amzn2.noarch 2/9
Verifying : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 3/9
Verifying : httpd-tools-2.4.46-1.amzn2.x86_64 4/9
Verifying : mod_http2-1.15.14-2.amzn2.x86_64 5/9
Verifying : apr-1.6.3-5.amzn2.0.2.x86_64 6/9
Verifying : mailcap-2.1.41-2.amzn2.noarch 7/9
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 8/9
Verifying : httpd-2.4.46-1.amzn2.x86_64 9/9

Installed:
httpd.x86_64 0:2.4.46-1.amzn2

Dependency Installed:
apr.x86_64 0:1.6.3-5.amzn2.0.2 apr-util.x86_64 0:1.6.1-5.amzn2.0.2
generic-logos-httpd.noarch 0:18.0.0-4.amzn2 httpd-filesystem.noarch 0:2.4.46-1.amzn2
mailcap.noarch 0:2.1.41-2.amzn2 mod_http2.x86_64 0:1.15.14-2.amzn2

Complete!
[root@ip-172-31-5-82 ec2-user]# systemctl start httpd
[root@ip-172-31-5-82 ec2-user]# systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-5-82 ec2-user]# echo "REQUEST HANDLING BY SERVER2">index.html
[root@ip-172-31-5-82 ec2-user]# exit
exit
[ec2-user@ip-172-31-5-82 ~]\$ exit
logout
Connection to 172.31.5.82 closed.
[root@ip-172-31-16-194 ec2-user]#

i-0b2916c7cc0acaf78 (Bastion-Server)

Public IPs: 3.93.52.71 Private IPs: 172.31.16.194

