

Yeshwanth Chauhan

Created Two machines one private and one jump and gave the internet accesses using Natgateway

The image displays two screenshots of the AWS Management Console, illustrating the setup of a Virtual Private Cloud (VPC) and its associated subnets.

Top Screenshot: Your VPCs (1) Info

The top screenshot shows the 'Your VPCs' page in the AWS console. The left sidebar lists various VPC services, with 'Your VPCs' selected. The main content area displays a table of VPCs. One VPC is listed:

Name	env	VPC ID	State	IPv4 CIDR	IPv6 CIDR	Main route table	Main network ACL	Default
vpc1	dev	vpc-04796f6eafc6dd399	Available	172.18.0.0/16	-	rtb-04b0626beb0e1e7f9 / min sub	acl-0d1711c4e8220327c	No

Bottom Screenshot: Subnets (4) Info

The bottom screenshot shows the 'Subnets' page in the AWS console. The left sidebar lists various VPC services, with 'Subnets' selected. The main content area displays a table of subnets. Four subnets are listed:

Name	Subnet ID	State	VPC	IPv4 CIDR
sub01	subnet-0a231676a5e8bff00	Available	vpc-04796f6eafc6dd399 vpc1	172.18.0.0/24
sub03	subnet-045f096c20ed2912e	Available	vpc-04796f6eafc6dd399 vpc1	172.18.2.0/24
sub04	subnet-0666f27c38976473b	Available	vpc-04796f6eafc6dd399 vpc1	172.18.3.0/24
sub02	subnet-0e92b46e929e775bc	Available	vpc-04796f6eafc6dd399 vpc1	172.18.1.0/24

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The image shows two screenshots of the AWS Management Console. The top screenshot displays the 'Route tables (2)' page, and the bottom screenshot shows the 'Edit routes' configuration for a specific route table.

Top Screenshot: Route tables (2)

Filter route tables

	Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC
<input type="checkbox"/>	min sub	rtb-04b0626beb0e1e7f9	--	--	Yes	vpc-04796f6eafc6dd35
<input type="checkbox"/>	route2	rtb-05ecf989c74f611e2	2 subnets	--	No	vpc-04796f6eafc6dd35

Select a route table

Activate Windows
Go to Settings to activate Windows.

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Bottom Screenshot: Edit routes

VPC > Route tables > rtb-04b0626beb0e1e7f9 > Edit routes

Destination	Target	Status	Propagated
172.18.0.0/16	local	Active	No
0.0.0.0/0	igw-0fb3b6fd0c9f98b20	Active	No

Add route

Cancel Preview Save changes

Activate Windows
Go to Settings to activate Windows.

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The image shows two screenshots of the AWS Management Console. The top screenshot displays the 'Edit routes' page for a VPC route table. The bottom screenshot shows the 'Internet gateways' page with details for a specific gateway.

Top Screenshot: Edit routes

URL: `us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#EditRoutes:RouteTableId=rtb-05ecf989c74f611e2`

Page Title: Edit routes

Destination	Target	Status	Propagated
172.18.0.0/16	local	Active	No
0.0.0.0/0	nat-059c0fdc2a92be727	Active	No

Buttons: Add route, Cancel, Preview, Save changes

Bottom Screenshot: Internet gateways

URL: `us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#igw:`

Page Title: Internet gateways (1/1)

Filter by VPC: Select a VPC

Name	Internet gateway ID	State	VPC ID	Owner
myig	igw-0fb3b6fd0c9f98b20	Attached	vpc-04796f6eafc6dd399	471963814578

Details for igw-0fb3b6fd0c9f98b20 / myig

Internet gateway ID	State	VPC ID	Owner
igw-0fb3b6fd0c9f98b20	Attached	vpc-04796f6eafc6dd399 vpc1	471963814578

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The image displays two screenshots of the AWS Management Console, specifically the 'Virtual private cloud' section, illustrating the setup of internet access for EC2 instances using a NAT gateway.

Top Screenshot: Elastic IP addresses (1/1)

This screenshot shows the 'Elastic IP addresses' page. A table lists the allocated Elastic IP addresses:

Name	Allocated IPv4 address	Type	Allocation ID	Reverse DNS
tsk1	3.226.93.138	Public IP	eipalloc-013dcd57a91613af	-

Below the table, the 'Summary' tab is selected, showing the details of the Elastic IP address:

- Allocated IPv4 address: 3.226.93.138
- Type: Public IP
- Allocation ID: eipalloc-013dcd57a91613af
- Reverse DNS: -

Bottom Screenshot: NAT gateways (1/1)

This screenshot shows the 'NAT gateways' page. A table lists the created NAT gateways:

Name	NAT gateway ID	Connectivity type	State	State message	Primary public IP
mynatgateway	nat-059c0fdc2a92be727	Public	Available	-	3.226.93.138

Below the table, the 'Details' tab is selected, showing the details of the NAT gateway:

- NAT gateway ID: nat-059c0fdc2a92be727
- Connectivity type: Public
- State: Available
- State message: -

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The screenshot displays the AWS Management Console interface for EC2 instances. The top navigation bar shows the user is logged in as 'Coderyesh' in the 'N. Virginia' region. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Tags, Limits, and Instances. The main content area shows a list of three EC2 instances:

Name	Instance ID	Instance state	Availability Zone	Private IP address	Subnet IDs
privtemc	i-07fcb8df7a988748f	Running	us-east-1a	172.18.2.61	subnet-045f096c20ed2912e
prctMchine	i-0577e6341199e6fa8	Terminated	us-east-1a	-	-
jumpserver	i-04eebc87df88d13ef	Running	us-east-1a	172.18.0.151	subnet-0a231676a5e8bf00

Below the list, the details for the instance 'privtemc' (ID: i-07fcb8df7a988748f) are shown. The instance is in the 'Running' state. The details include:

- Instance ID: i-07fcb8df7a988748f (privtemc)
- IPv6 address: -
- Hostname type: IP name: ip-172-18-2-61.ec2.internal
- Public IPv4 address: -
- Private IPv4 addresses: 172.18.2.61
- Public IPv4 DNS: -
- Private IP DNS name (IPv4 only): ip-172-18-2-61.ec2.internal

The bottom of the screenshot shows the Windows taskbar with the time 6:53 PM on 05-Feb-23.

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The image displays two screenshots of the AWS Management Console. The top screenshot shows the 'Instances' page with a table of EC2 instances. The bottom screenshot shows the 'Security Groups' page with a table of security groups.

Instances (1/3) Info

Name	Instance ID	Instance state	Availability Zone	Private IP address	Subnet IDs
privtmc	i-07fcb8df7a988748f	Running	us-east-1a	172.18.2.61	subnet-045f096c20ed2912e
prctMchine	i-0577e6341199e6fa8	Terminated	us-east-1a	-	-
jumpserver	i-04eebc87df88d13ef	Running	us-east-1a	172.18.0.151	subnet-0a231676a5e8bf00

Instance: i-04eebc87df88d13ef (jumpserver)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

Instance summary Info

Instance ID	Public IPv4 address		Private IPv4 addresses
i-04eebc87df88d13ef (jumpserver)	54.225.52.129 open address		172.18.0.151
IPv6 address	Instance state	Public IPv4 DNS	
-	Running	-	
Hostname type	Private IP DNS name (IPv4 only)	Activate Windows	
IP name: ip-172-18-0-151.ec2.internal	ip-172-18-0-151.ec2.internal	Go to Settings to activate Windows.	

Security Groups (3) Info

Name	Security group ID	Security group name	VPC ID	Description
-	sg-0b00af36942b4c5d7	launch-wizard-1	vpc-04796f6eafc6dd399	launch-wizard-1 create...
-	sg-0b8d69c41be7a6476	default	vpc-04796f6eafc6dd399	default VPC security gr...
-	sg-009862789e18f016b	launch-wizard-2	vpc-04796f6eafc6dd399	launch-wizard-2 create...