

Yeshwanth Chauhan

Created machine in 2 regions and accessed the private machine using jump machine in other region PEERING TAS

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: VPC Dashboard**

The top screenshot shows the "Your VPCs (1/1)" page. The table lists the following VPC:

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 route	acl-0d1711c4e8220327c	No

**Bottom Screenshot: Subnets Dashboard**

The bottom screenshot shows the "Subnets (1/1)" page. The table lists the following Subnet:

Name	Subnet ID	State	VPC	IPv4 CIDR
Sub01	subnet-0607f51b64f33a475	Available	vpc-04796f6eafc6dd399   vpc1	172.18.0.0/24

Both screenshots show the AWS Management Console interface with the "Virtual private cloud" section selected in the left-hand navigation pane. The bottom screenshot also shows the "Details" tab for the selected Subnet.

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The image shows two screenshots of the AWS VPC console. The top screenshot displays the 'Route tables (1/1) Info' page for a route table named 'min route' (rtb-04b0626beb0e1e7f9). The table lists the route table ID, explicit subnet association (subnet-0607f51b64f33...), edge associations, main status (Yes), and VPC (vpc-04796f6eafc6dd35). Below the table, the 'Details' tab is selected, showing a notification to check network connectivity with the Reachability Analyzer. The bottom screenshot shows the 'Edit routes' page for the same route table. It displays a table with three routes:

Destination	Target	Status	Propagated
172.18.0.0/16	local	Active	No
172.32.0.0/16	pcx-0f504a89b4add1b44	Active	No
0.0.0.0/0	igw-09767677ef98a95b2	Active	No

At the bottom of the 'Edit routes' page, there are buttons for 'Cancel', 'Preview', and 'Save changes'. The interface also includes a sidebar with navigation options like 'Virtual private cloud', 'Your VPCs', 'Subnets', and 'Route tables'.

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The image consists of two screenshots of the AWS Management Console, specifically the VPC dashboard in the us-east-1 region.

**Top Screenshot: Internet gateways (1/1)**

The left sidebar shows the navigation menu with 'Internet gateways' selected. The main content area displays a table of Internet gateways.

Name	Internet gateway ID	State	VPC ID	Owner
vig	igw-09767677ef98a95b2	Attached	vpc-04796f6eafc6dd399   vpc1	471963814578

Below the table, the details for 'igw-09767677ef98a95b2 / vig' are shown, including tabs for 'Details' and 'Tags'.

**Bottom Screenshot: Peering connections (1/3)**

The left sidebar shows the navigation menu with 'Peering connections' selected. The main content area displays a table of peering connections.

Name	Peering connection ID	Status	Requester VPC	Accepter VPC
mppc111	pcx-09c2a2034a94d0e53	Deleted	vpc-04796f6eafc6dd399 / vpc1	vpc-0593fca4d39fb0315
-	pcx-0b0957cb3f279b9ca	Deleted	vpc-0593fca4d39fb0315	vpc-04796f6eafc6dd399 / vpc1
peeringvir	pcx-0f504a89b4add1b44	Active	vpc-04796f6eafc6dd399 / vpc1	vpc-0a7c3a6af166bfb24

Below the table, the details for 'pcx-0f504a89b4add1b44' are shown, including tabs for 'Details' and 'Tags'.

**Requester VPC Details:**

- Requester owner ID: 471963814578
- Peering connection ID: pcx-0f504a89b4add1b44
- Status: Active
- Expiration time: (blank)

**Accepter VPC Details:**

- Accepter owner ID: 471963814578
- Requester VPC: vpc-04796f6eafc6dd399 / vpc1
- Requester CIDRs: 172.18.0.0/16
- Requester Region: (blank)

**VPC Peering connection ARN:**

- arn:aws:ec2:us-east-1:471963814578:vpc-peering-connection/pcx-0f504a89b4add1b44

**Accepter VPC Details:**

- Accepter VPC: vpc-0a7c3a6af166bfb24
- Accepter CIDRs: 172.32.0.0/16

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The image displays two screenshots of the AWS Management Console. The top screenshot shows the 'Instance summary for i-033619d51e5027b34 (vmac)' in the us-east-1 region. The instance is in a 'Running' state. The bottom screenshot shows the 'Your VPCs (1/1)' in the us-west-2 region, with details for the vpc-0a7c3a6af166bfb24 (orevpc) VPC.

**Instance summary for i-033619d51e5027b34 (vmac)**

Property	Value
Instance ID	i-033619d51e5027b34 (vmac)
Public IPv4 address	3.84.167.205   <a href="#">open address</a>
Private IPv4 addresses	172.18.0.243
Instance state	Running
Private IP DNS name (IPv4 only)	ip-172-18-0-243.ec2.internal
Instance type	t2.micro
VPC ID	vpc-04796f6eaf6cdd399 (vpc1)
Subnet ID	subnet-0607f51b64f33a475 (Sub01)
Auto-assigned IP address	3.84.167.205 [Public IP]
IAM Role	-

**Your VPCs (1/1)**

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP options
orevpc	vpc-0a7c3a6af166bfb24	Available	172.32.0.0/16	-	dopt-0469942c802cf9193

**vpc-0a7c3a6af166bfb24 / orevpc**

Property	Value
VPC ID	vpc-0a7c3a6af166bfb24
State	Available
DNS hostnames	Disabled
DNS resolution	Enabled
Tenancy	Default
DHCP option set	dopt-0469942c802cf9193
Main route table	rtb-0919354a75c6c6bd9 / <a href="#">ort</a>
Main network ACL	acl-0520327dbcf6dbf37

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The image displays two screenshots of the AWS Management Console interface, showing the configuration of VPC resources.

**Top Screenshot: Subnets (1/1) Info**

The page shows a list of subnets. The selected subnet is **osub01** (subnet-08a2ba311c02ff148), which is in the **Available** state and associated with VPC **vpc-0a7c3a6af166bfb24**. The IPv4 CIDR is **172.32.0.0/24**.

**Subnet Details:**

- Subnet ID: subnet-08a2ba311c02ff148
- Subnet ARN: arn:aws:ec2:us-west-2:471963814578:subnet/subnet-08a2ba311c02ff148
- State: Available
- IPv4 CIDR: 172.32.0.0/24

**Bottom Screenshot: Edit routes**

The page shows the configuration of routes for the route table **rtb-0919354a75c6cfd9**. The routes are as follows:

Destination	Target	Status	Propagated
172.32.0.0/16	local	Active	No
172.18.0.0/16	pcx-0f504a89b4add1b44	Active	No
0.0.0.0/0	igw-05e0b8fa37a7a2863	Active	No

Buttons: **Add route**, **Cancel**, **Preview**, **Save changes**

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The image displays two screenshots of the AWS Management Console, specifically the VPC dashboard in the us-west-2 region.

**Top Screenshot: Internet gateways (1/1)**

The left sidebar shows the navigation menu with 'Internet gateways' selected. The main content area shows a list of internet gateways with the following details:

Name	Internet gateway ID	State	VPC ID	Owner
oiggg	igw-05e0b8fa37a7a2863	Attached	vpc-0a7c3a6af166bfb24   orevpc	471963814578

Below the list, the details for 'igw-05e0b8fa37a7a2863 / oiggg' are shown, confirming its state as 'Attached' and its association with VPC 'vpc-0a7c3a6af166bfb24 | orevpc'.

**Bottom Screenshot: Peering connections (3)**

The left sidebar shows 'Peering connections' selected. The main content area shows a list of peering connections with the following details:

Name	Peering connection ID	Status	Requester VPC	Accepter VPC	Requester CIDRs
-	pcx-09c2a2034a94d0e53	Deleted	vpc-04796f6eafc6dd399	vpc-0593fca4d39fb0315	-
ohio	pcx-0b0957cb3f279b9ca	Deleted	vpc-0593fca4d39fb0315	vpc-04796f6eafc6dd399	-
-	pcx-0f504a89b4add1b44	Active	vpc-04796f6eafc6dd399	vpc-0a7c3a6af166bfb24 / ore...	172.18.0.0/16

The bottom row indicates an active peering connection between the requester VPC 'vpc-04796f6eafc6dd399' and the accepter VPC 'vpc-0a7c3a6af166bfb24 / ore...' with the requester CIDR '172.18.0.0/16'.

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The screenshot shows the AWS Management Console for the us-west-2 region. The 'Instances' page displays a table with three instances: 'inst02' (Terminated), 'priv' (Terminated), and 'omc' (Running). The 'omc' instance is selected, and its details are shown in the right pane. The instance ID is i-0c4697be150afe098, and it is a t2.micro instance. The instance is running in the us-west-2a Availability Zone. The private IP address is 172.32.0.104, and the public IP address is 172.32.0.104. The instance is named 'omc'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
inst02	i-07c83fc34b3a7dfcf	Terminated	t2.micro	-	No alarms	us-west-2a	-
priv	i-0e9e3b0a43108c477	Terminated	t2.micro	-	No alarms	us-west-2a	-
omc	i-0c4697be150afe098	Running	t2.micro	2/2 checks passed	No alarms	us-west-2a	-

**Instance: i-0c4697be150afe098 (omc)**

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

**▼ Instance summary** [Info](#)

Instance ID: i-0c4697be150afe098 (omc)

Public IPv4 address: -

Private IPv4 addresses: 172.32.0.104

Instance state: **Running**

Public IPv4 DNS: -

Private IP DNS name (IPv4 only): ip-172-32-0-104.us-west-2.compute.internal

Instance type: t2.micro

Auto-assigned IP address: -

The screenshot shows a terminal window in the AWS Management Console. The terminal displays the output of the 'ssh' command, showing the connection to the 'omc' instance. The terminal output is as follows:

```
https://aws.amazon.com/amazon-linux-2/
14 package(s) needed for security, out of 14 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-18-0-243 ~]$ vi oregonkey.pem
[ec2-user@ip-172-18-0-243 ~]$ ls -l
total 4
-rw-rw-r-- 1 ec2-user ec2-user 1675 Feb  5 16:34 oregonkey.pem
[ec2-user@ip-172-18-0-243 ~]$ chmod 400 oregonkey.pem
[ec2-user@ip-172-18-0-243 ~]$ ls -l
total 4
-rw-rw-r-- 1 ec2-user ec2-user 1675 Feb  5 16:34 oregonkey.pem
[ec2-user@ip-172-18-0-243 ~]$ ssh -i oregonkey.pem ec2-user@172.32.0.104
ssh: connect to host 172.32.0.104 port 22: Connection timed out
[ec2-user@ip-172-18-0-243 ~]$ ssh -i oregonkey.pem ec2-user@172.32.0.104
^C
[ec2-user@ip-172-18-0-243 ~]$
[ec2-user@ip-172-18-0-243 ~]$ ssh -i oregonkey.pem ec2-user@172.32.0.104
The authenticity of host '172.32.0.104 (172.32.0.104)' can't be established.
```

**i-033619d51e5027b34 (vmac)**

PublicIPs: 3.84.167.205 PrivateIPs: 172.18.0.243

```
[ec2-user@ip-172-18-0-243 ~]$ ls -l
total 4
-rw-rw-r-- 1 ec2-user ec2-user 1675 Feb  5 16:34 oregonkey.pem
[ec2-user@ip-172-18-0-243 ~]$ chmod 400 oregonkey.pem
[ec2-user@ip-172-18-0-243 ~]$ ls -l
total 4
-r----- 1 ec2-user ec2-user 1675 Feb  5 16:34 oregonkey.pem
[ec2-user@ip-172-18-0-243 ~]$ ssh -i oregonkey.pem ec2-user@172.32.0.104
ssh: connect to host 172.32.0.104 port 22: Connection timed out
[ec2-user@ip-172-18-0-243 ~]$ ssh -i oregonkey.pem ec2-user@172.32.0.104

^C
[ec2-user@ip-172-18-0-243 ~]$
[ec2-user@ip-172-18-0-243 ~]$ ssh -i oregonkey.pem ec2-user@172.32.0.104
The authenticity of host '172.32.0.104 (172.32.0.104)' can't be established.
ECDSA key fingerprint is SHA256:xPaIfbyGk/QeArX/yYfabEansEyKCdhjgEOgzM8xCWU.
ECDSA key fingerprint is MD5:07:52:1f:5e:e4:e2:d2:21:3f:e4:82:10:f6:8f:a9:14.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '172.32.0.104' (ECDSA) to the list of known hosts.

 _ _ _ _ _
|_|  ( _ _ ) /
|_|  \ _ _ _ |
      Amazon Linux 2 AMI

i-033619d51e5027b34 (vmac)
PublicIPs: 3.84.167.205  PrivateIPs: 172.18.0.243

Activate Windows
Go to Settings to activate Windows.

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us-east-1-console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-033619d51e5027b34&osUser=ec...
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[ec2-user@ip-172-18-0-243 ~]$
[ec2-user@ip-172-18-0-243 ~]$ ssh -i oregonkey.pem ec2-user@172.32.0.104
The authenticity of host '172.32.0.104 (172.32.0.104)' can't be established.
ECDSA key fingerprint is SHA256:xPaIfbyGk/QeArX/yYfabEansEyKCdhjgEOgzM8xCWU.
ECDSA key fingerprint is MD5:07:52:1f:5e:e4:e2:d2:21:3f:e4:82:10:f6:8f:a9:14.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '172.32.0.104' (ECDSA) to the list of known hosts.

 _ _ _ _ _
|_|  ( _ _ ) /
|_|  \ _ _ _ |
      Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-32-0-104 ~]$ ping 172.32.0.104
PING 172.32.0.104 (172.32.0.104) 56(84) bytes of data.
64 bytes from 172.32.0.104: icmp_seq=1 ttl=255 time=0.017 ms
64 bytes from 172.32.0.104: icmp_seq=2 ttl=255 time=0.029 ms
64 bytes from 172.32.0.104: icmp_seq=3 ttl=255 time=0.030 ms
64 bytes from 172.32.0.104: icmp_seq=4 ttl=255 time=0.029 ms
^C
--- 172.32.0.104 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3052ms
rtt min/avg/max/mdev = 0.017/0.026/0.030/0.006 ms
[ec2-user@ip-172-32-0-104 ~]$
```

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