

Yeshwanth chuahan

Created transit gateway and connected 2 vpcs instead of using peering connections for connection

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

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

Endpoint services

NAT gateways

Peering connections

Security

Feedback

Language

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16:24 02-03-2023

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHC
privateVpc	vpc-0f5bdf7e18d0fb999	Available	172.10.0.0/16	-	dopt
publicVpc	vpc-052a70f0a88fac34e	Available	172.16.0.0/16	-	dopt

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

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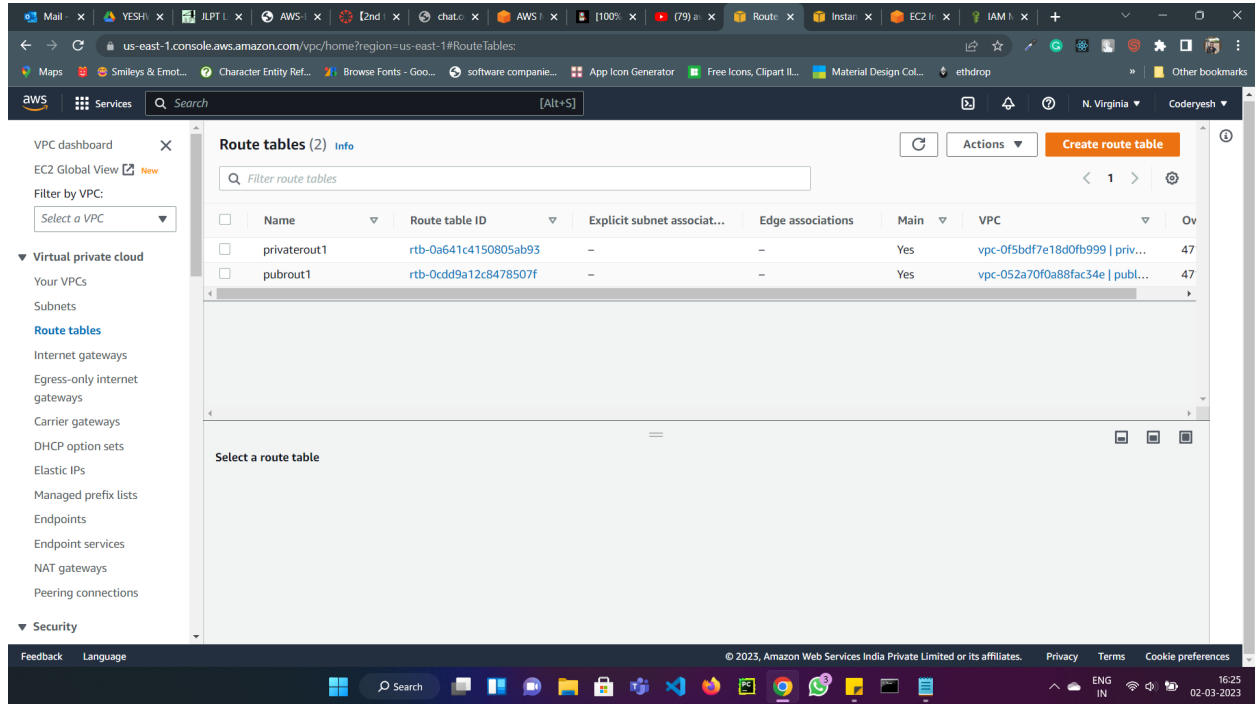
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Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
privateSub	subnet-0cd1866738b2f14a4	Available	vpc-0f5bdf7e18d0fb999   priv...	172.10.0.0/24	-
pubsub1	subnet-087d3a7d2c4aaf69e	Available	vpc-052a70f0a88fac34e   publ...	172.16.0.0/24	-

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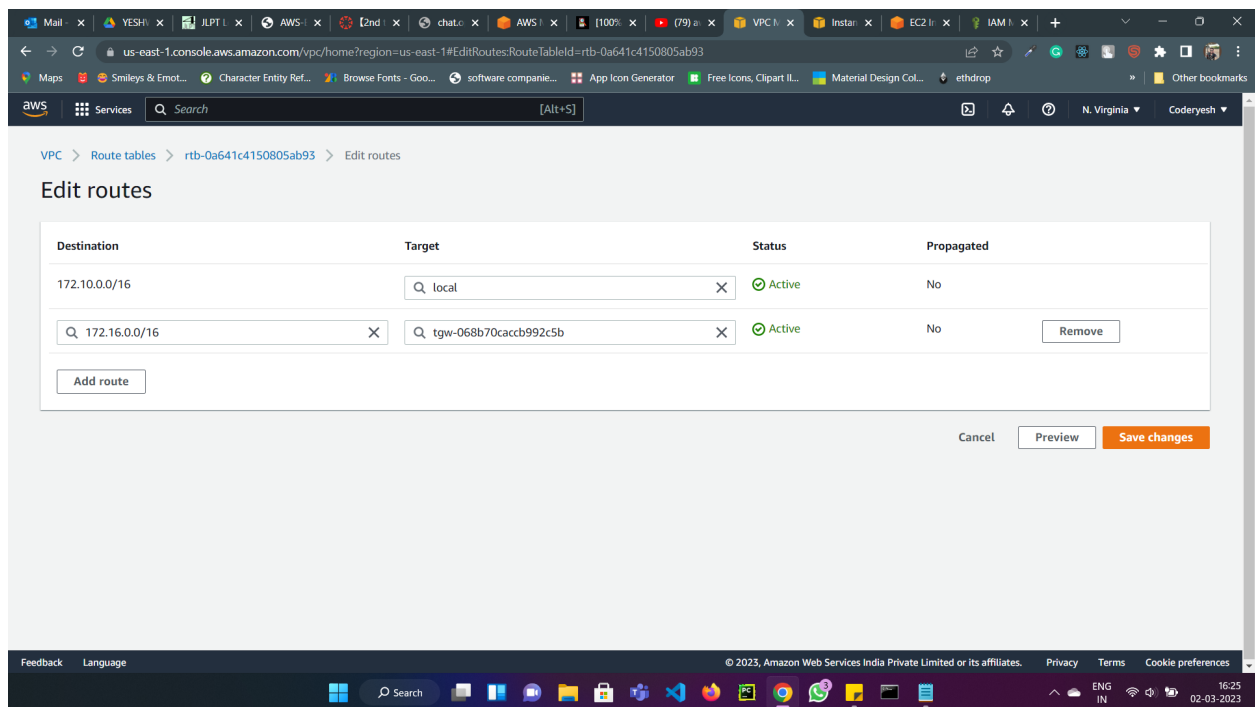
The screenshot shows the AWS Management Console interface. The top navigation bar includes the AWS logo, a search bar, and the user's name 'Coderyesh'. The left sidebar shows the 'Virtual private cloud' section with options like 'Your VPCs', 'Subnets', 'Route tables', 'Internet gateways', etc. The main content area displays 'Route tables (2)' with a table listing two route tables:

Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC	Over
privaterout1	rtb-0a641c4150805ab93	-	-	Yes	vpc-0f5bdf7e18d0fb999   priv...	47
pubrout1	rtb-0cdd9a12c8478507f	-	-	Yes	vpc-052a70f0a88fac34e   publ...	47

Below the table, the 'Edit routes' page is shown for the selected route table 'rtb-0a641c4150805ab93'. It displays a table with columns: Destination, Target, Status, and Propagated.

Destination	Target	Status	Propagated
172.10.0.0/16	local	Active	No
172.16.0.0/16	tgw-068b70cacb992c5b	Active	No

Buttons for 'Add route', 'Cancel', 'Preview', and 'Save changes' are visible at the bottom of the 'Edit routes' section.



The screenshot shows the 'Edit routes' page for the route table 'rtb-0a641c4150805ab93'. It displays a table with columns: Destination, Target, Status, and Propagated.

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VPC > Route tables > rtb-0cdd9a12c8478507f > Edit routes

### Edit routes

Destination	Target	Status	Propagated
172.16.0.0/16	local	Active	No
172.10.0.0/16	tgw-068b70cacb992c5b	Active	No
0.0.0.0/0	igw-06d6ea8941153c4d2	Active	No

Buttons: Add route, Cancel, Preview, Save changes

VPC dashboard > Internet gateways (1/1) info

Filter internet gateways

Name	Internet gateway ID	State	VPC ID	Owner
myig	igw-06d6ea8941153c4d2	Attached	vpc-052a70f0a88fac34e   publicvpc	471963814578

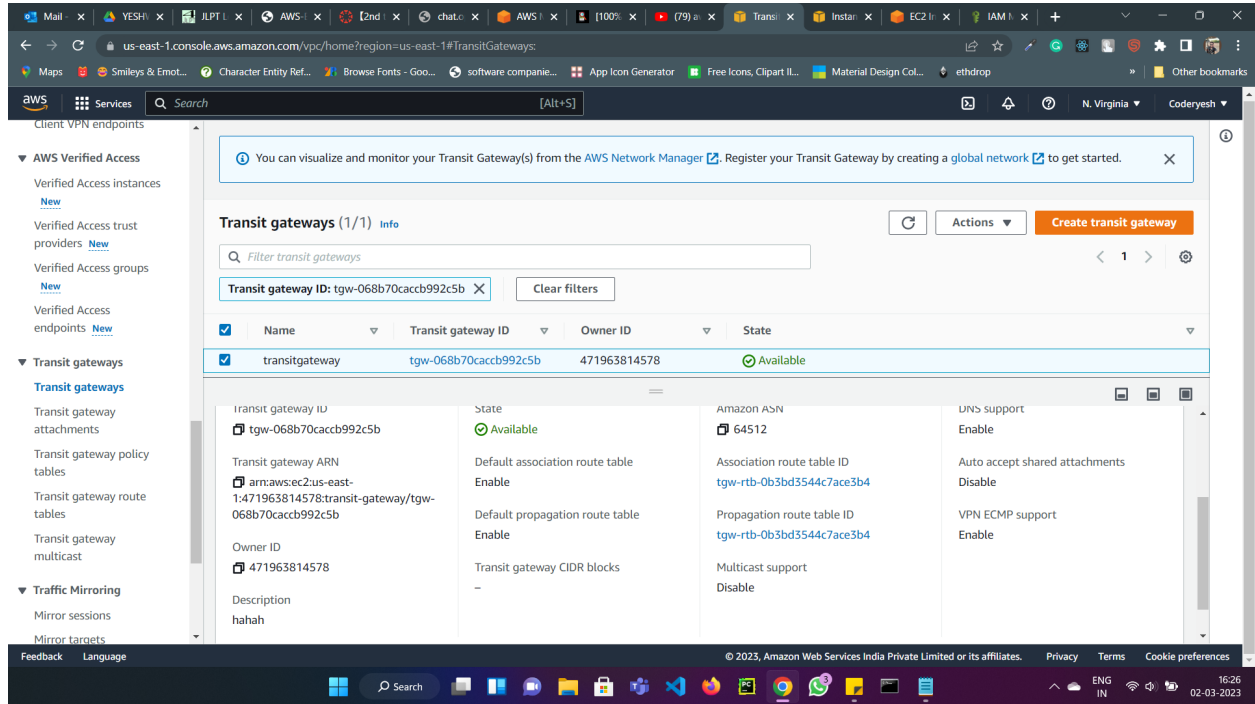
Buttons: Create internet gateway, Details, Tags

Details

Internet gateway ID: igw-06d6ea8941153c4d2, State: Attached, VPC ID: vpc-052a70f0a88fac34e | publicvpc, Owner: 471963814578

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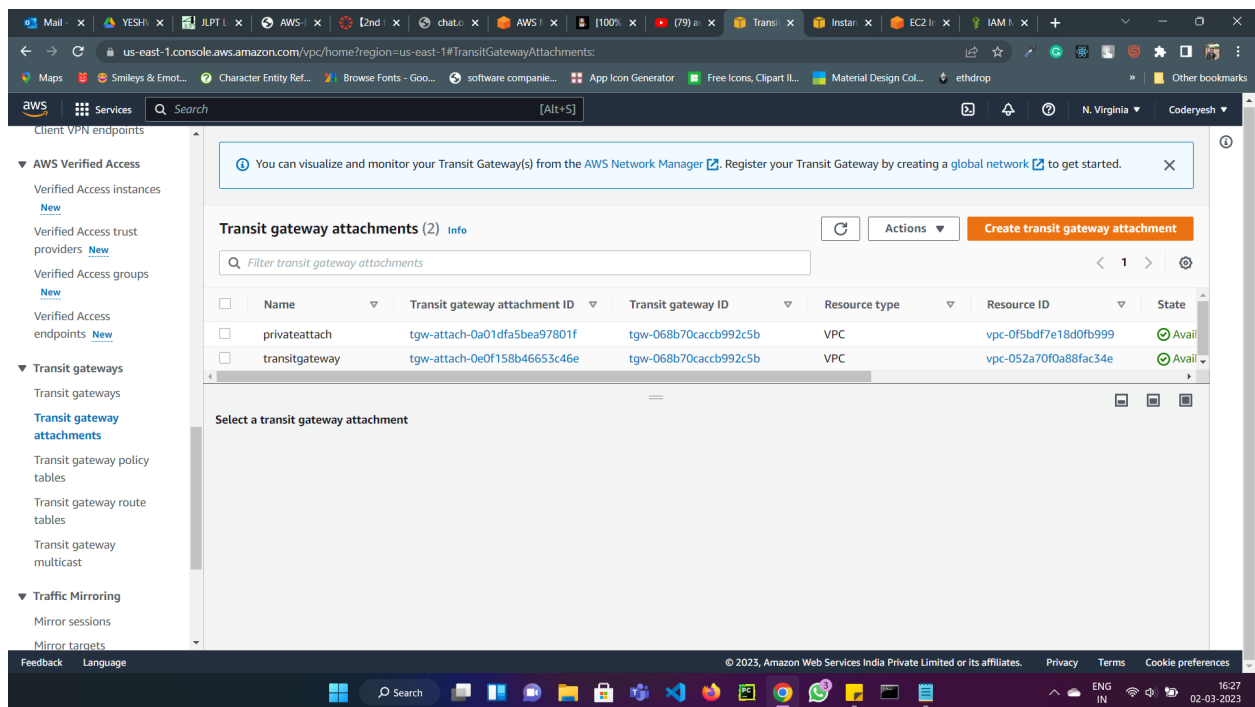


The screenshot shows the AWS Management Console for the us-east-1 region, specifically the Transit Gateways page. The left sidebar contains navigation links for Client VPN endpoints, AWS Verified Access, Transit gateways, and Traffic Mirroring. The main content area displays a list of transit gateways with the following details:

Name	Transit gateway ID	Owner ID	State
transitgateway	tgw-068b70caccb992c5b	471963814578	Available

Below the table, the details for the selected transit gateway are shown:

- Transit gateway ID:** tgw-068b70caccb992c5b
- Transit gateway ARN:** arn:aws:ec2:us-east-1:471963814578:transit-gateway/tgw-068b70caccb992c5b
- Owner ID:** 471963814578
- Description:** hahah
- State:** Available
- Default association route table:** Enable
- Default propagation route table:** Enable
- Transit gateway CIDR blocks:** -
- Amazon ASN:** 64512
- Association route table ID:** tgw-rtb-0b3bd3544c7ace3b4
- Propagation route table ID:** tgw-rtb-0b3bd3544c7ace3b4
- Multicast support:** Disable
- VPN support:** Enable
- Auto accept shared attachments:** Disable
- VPN ECMP support:** Enable



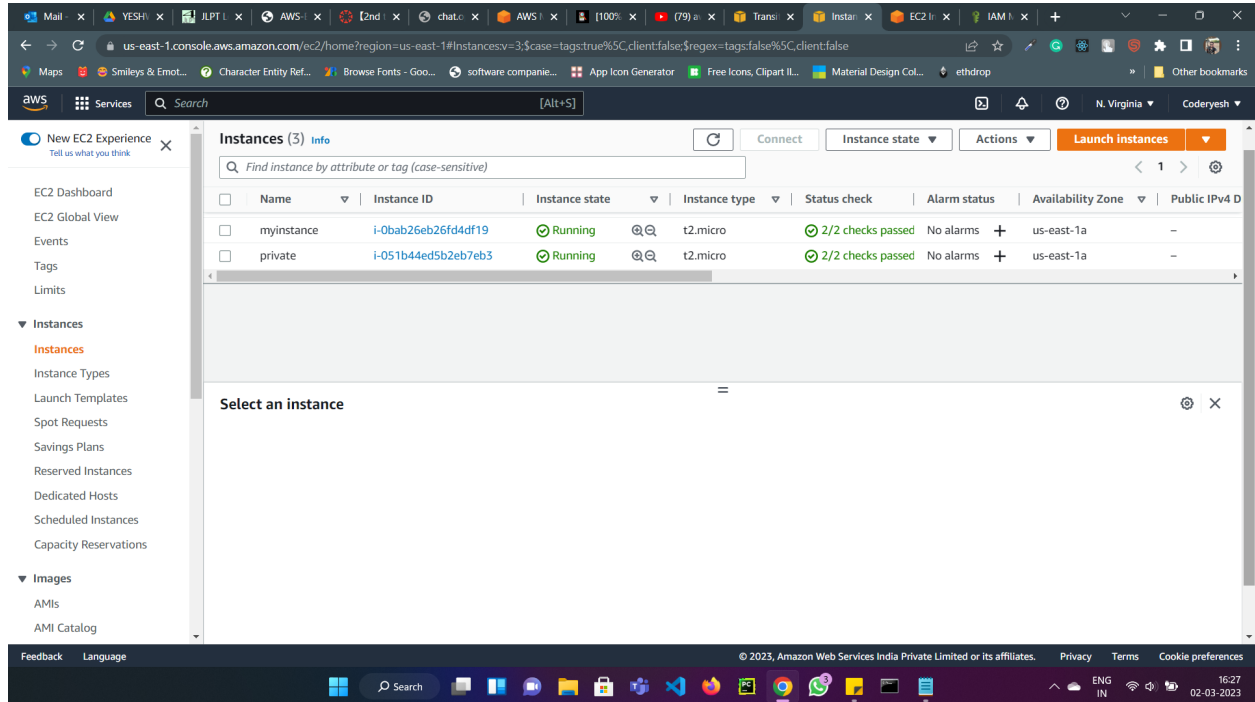
The screenshot shows the AWS Management Console for the us-east-1 region, specifically the Transit Gateway Attachments page. The left sidebar contains navigation links for Client VPN endpoints, AWS Verified Access, Transit gateways, and Traffic Mirroring. The main content area displays a list of transit gateway attachments with the following details:

Name	Transit gateway attachment ID	Transit gateway ID	Resource type	Resource ID	State
privateattach	tgw-attach-0a01dfa5bea97801f	tgw-068b70caccb992c5b	VPC	vpc-0f5bdf7e18d0fb999	Available
transitgateway	tgw-attach-0e0f158b46653c46e	tgw-068b70caccb992c5b	VPC	vpc-052a70f0a88fac34e	Available

Below the table, there is a section titled "Select a transit gateway attachment" with a search bar and a list of attachments.

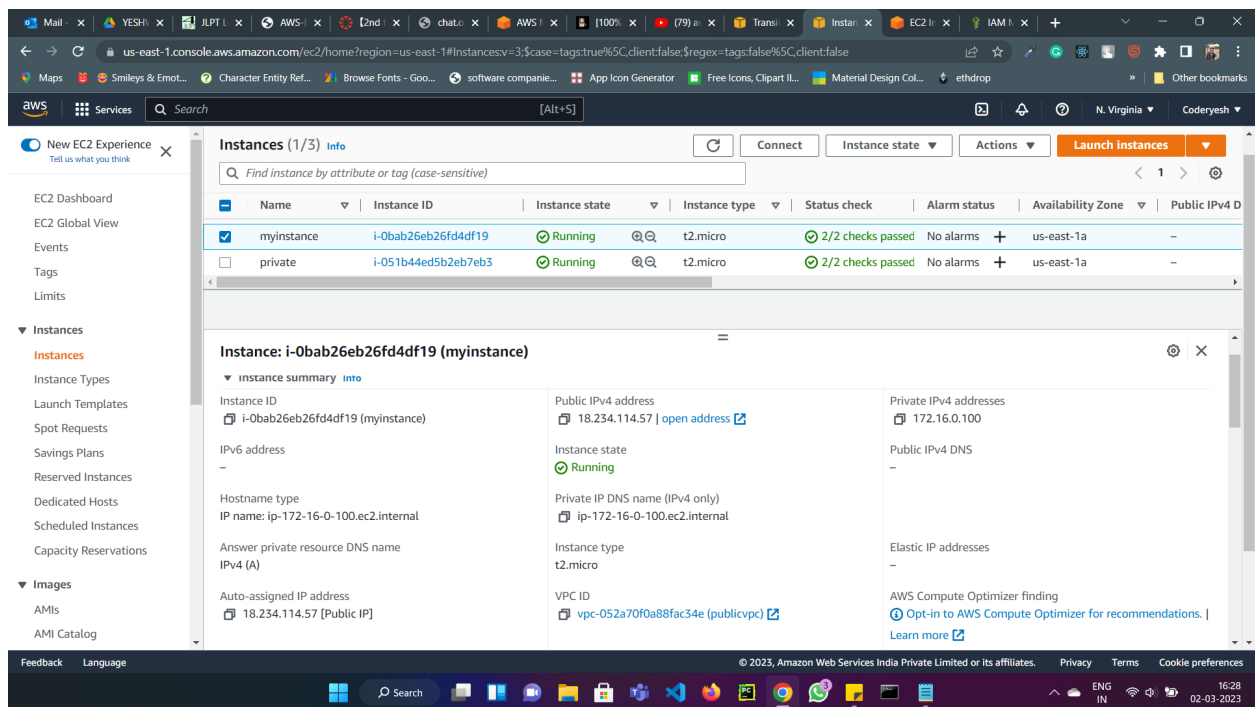
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The screenshot shows the AWS Management Console for the EC2 service. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances, Images, and AMIs. The main content area displays a table of EC2 instances. Two instances are listed: 'myinstance' (ID: i-0bab26eb26fd4df19) and 'private' (ID: i-051b44ed5b2eb7eb3). Both instances are in the 'Running' state, using the 't2.micro' instance type, and have '2/2 checks passed'. The table also shows 'Alarm status' as 'No alarms', 'Availability Zone' as 'us-east-1a', and 'Public IPv4 D' as '-'. Below the table, there is a 'Select an instance' modal dialog.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 D
myinstance	i-0bab26eb26fd4df19	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	-
private	i-051b44ed5b2eb7eb3	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	-



The screenshot shows the AWS Management Console for the EC2 service, displaying the details of the instance 'myinstance' (ID: i-0bab26eb26fd4df19). The left sidebar is the same as the previous screenshot. The main content area shows the 'Instance: i-0bab26eb26fd4df19 (myinstance)' details. The 'Instance summary' section includes the following information:

- Instance ID: i-0bab26eb26fd4df19 (myinstance)
- Public IPv4 address: 18.234.114.57 | [open address](#)
- Private IPv4 addresses: 172.16.0.100
- Instance state: Running
- Public IPv4 DNS: -
- IPv6 address: -
- Private IP DNS name (IPv4 only): ip-172-16-0-100.ec2.internal
- Elastic IP addresses: -
- Instance type: t2.micro
- Answer private resource DNS name: IP v4 (A)
- AWS Compute Optimizer finding: [Opt-in to AWS Compute Optimizer for recommendations.](#) | [Learn more](#)
- Auto-assigned IP address: 18.234.114.57 [Public IP]
- VPC ID: vpc-052a70f0a88fac34e (publicvpc)

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The screenshot displays the AWS Management Console interface. The top navigation bar shows the AWS logo and various service icons. The left sidebar contains the 'EC2 Dashboard' and 'Instances' section. The main content area shows a list of EC2 instances. Two instances are visible: 'myinstance' (ID: i-0bab26eb26fd4df19) and 'private' (ID: i-051b44ed5b2eb7eb3). Both are in the 'Running' state. Below the list, a detailed view for the 'private' instance is shown, including its IP addresses, DNS names, and VPC ID.

Below the console view, a terminal window is open, showing a shell session on the 'private' instance. The user runs a ping command to the public IP of 'myinstance' (18.234.114.57) and a 'vi NEWKEYS' command. The terminal output shows the ping results and the error message 'cannot access \'NEWKEYS.pem\': No such file or directory'.

```
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-16-0-100 ~]$ ping 18.234.114.57
PING 18.234.114.57 (18.234.114.57) 56(84) bytes of data:
64 bytes from 18.234.114.57: icmp_seq=1 ttl=254 time=2.97 ms
64 bytes from 18.234.114.57: icmp_seq=2 ttl=254 time=0.938 ms
64 bytes from 18.234.114.57: icmp_seq=3 ttl=254 time=0.953 ms
64 bytes from 18.234.114.57: icmp_seq=4 ttl=254 time=1.08 ms
64 bytes from 18.234.114.57: icmp_seq=5 ttl=254 time=1.02 ms
^C
--- 18.234.114.57 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4004ms
rtt min/avg/max/mdev = 0.938/1.395/2.975/0.792 ms
[ec2-user@ip-172-16-0-100 ~]$ vi NEWKEYS
[ec2-user@ip-172-16-0-100 ~]$ ls -l
total 4
-rw-rw-r-- 1 ec2-user ec2-user 1675 Mar  2 10:46 NEWKEYS
[ec2-user@ip-172-16-0-100 ~]$ chmod 400 NEWKEYS.pem
chmod: cannot access 'NEWKEYS.pem': No such file or directory
[ec2-user@ip-172-16-0-100 ~]$ chmod 400 NEWKEYS.pem
chmod: cannot access 'NEWKEYS.pem': No such file or directory
[ec2-user@ip-172-16-0-100 ~]$ vi NEWKEYS
```

i-0bab26eb26fd4df19 (myinstance)  
PublicIPs: 18.234.114.57 PrivateIPs: 172.16.0.100