

TRANSIST GATEWAY

Created 3 vpc and 3 subnet

The image displays two screenshots of the AWS VPC console interface, showing the successful creation of 3 VPCs and 3 subnets.

Top Screenshot: Your VPCs (4)

A notification banner at the top states: "You successfully created vpc-07a549ac9b0560be6 / my-vpc3". The "Your VPCs (4)" section shows a table of VPCs:

| Name | VPC ID | State | Block Public... | IPv4 CIDR | IPv6 CIDR |
|---------|-----------------------|-----------|-----------------|---------------|-----------|
| - | vpc-0125c2b61f04b333c | Available | Off | 172.31.0.0/16 | - |
| my-vpc1 | vpc-05b12a6606983ba52 | Available | Off | 10.0.0.0/16 | - |
| my-vpc2 | vpc-09548f653231ce154 | Available | Off | 11.0.0.0/16 | - |
| my-vpc3 | vpc-07a549ac9b0560be6 | Available | Off | 12.0.0.0/16 | - |

Bottom Screenshot: Subnets (6)

A notification banner at the top states: "You have successfully created 1 subnet: subnet-0c92258b1cdaee83". The "Subnets (6)" section shows a table of subnets:

| Name | Subnet ID | State | VPC | Block Public... | IPv4 CIDR |
|-------------|--------------------------|-----------|--------------------------------|-----------------|---------------|
| - | subnet-00b80c9a12c0e0a0e | Available | vpc-0125c2b61f04b333c | Off | 172.31.0.0/16 |
| my subnet-1 | subnet-0fe29ff4e262d8ff | Available | vpc-05b12a6606983ba52 my-... | Off | 10.0.1.0/24 |
| my subnet-2 | subnet-0295e17175edd8c77 | Available | vpc-09548f653231ce154 my-... | Off | 11.0.1.0/24 |
| my subnet-3 | subnet-0c92258b1cdaee83 | Available | vpc-07a549ac9b0560be6 my-... | Off | 12.0.1.0/24 |

Create 3 routetables and 3 internet gateway

Route Tables | VPC Console

eu-north-1.console.aws.amazon.com/vpcconsole/home?region=eu-north-1#RouteTables:

aws

Search

[Alt+S]

Europe (Stockholm)

Account ID: 9473-0977-8595

Balaji%20R

VPC dashboard

AWS Global View

Filter by VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

DHCP option sets

Elastic IPs

Managed prefix lists

NAT gateways

Peering connections

Security

Network ACLs

Security groups

PrivateLink and Lattice

Route table rtb-0a168b88ecb599ec8 | my route_table_3 was created successfully.

Route tables (7) Info

Find route tables by attribute or tag

| <input type="checkbox"/> | Name | Route table ID | Explicit subnet associ... | Edge associations | Main | VPC |
|--------------------------|------------------|------------------------|---------------------------|-------------------|------|---------------------------|
| <input type="checkbox"/> | my route table_1 | rtb-07b2a55a3f34d283c | - | - | No | vpc-05b12a6606983ba52 |
| <input type="checkbox"/> | - | rtb-0fd872199ea7210a0 | - | - | Yes | vpc-09548f653231ce154 r |
| <input type="checkbox"/> | my route table_2 | rtb-0ecdffed71b0d4ecda | - | - | No | vpc-09548f653231ce154 r |
| <input type="checkbox"/> | my route table_3 | rtb-0a168b88ecb599ec8 | - | - | No | vpc-07a549ac9b0560be6 |

Select a route table

igw | VPC Console

eu-north-1.console.aws.amazon.com/vpcconsole/home?region=eu-north-1#igws:

aws

Search

[Alt+S]

Europe (Stockholm)

Account ID: 9473-0977-8595

Balaji%20R

VPC dashboard

AWS Global View

Filter by VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

DHCP option sets

Elastic IPs

Managed prefix lists

NAT gateways

Peering connections

Security

Network ACLs

Security groups

PrivateLink and Lattice

Internet gateways (4) Info

Find internet gateways by attribute or tag

| <input type="checkbox"/> | Name | Internet gateway ID | State | VPC ID | Owner |
|--------------------------|------------------|------------------------|----------|---------------------------------|--------------|
| <input type="checkbox"/> | - | igw-09f8f82ebdddd2156f | Attached | vpc-0125c2b61f04b333c | 947309778595 |
| <input type="checkbox"/> | my int gateway_1 | igw-0139f97091af723c1 | Attached | vpc-05b12a6606983ba52 my-vpc1 | 947309778595 |
| <input type="checkbox"/> | my int gateway_2 | igw-0efd6c8f15793ba3c | Attached | vpc-09548f653231ce154 my-vpc2 | 947309778595 |
| <input type="checkbox"/> | my int gateway_3 | igw-03c5279ad0c5c78c5 | Attached | vpc-07a549ac9b0560be6 my-vpc3 | 947309778595 |

Select an internet gateway above

Create 3 security group and create transit gateway and create the 3 attachment

The image displays three sequential screenshots of the AWS VPC console, illustrating the steps to create security groups, a transit gateway, and its attachments.

Top Screenshot: Security Groups

The console shows the 'Security Groups' page for the 'eu-north-1' region. A table lists the security groups:

| Name | Security group ID | Security group name | VPC ID | Description |
|------------------|----------------------|---------------------|-----------------------|----------------------------|
| default | sg-0928854ec756cb87b | default | vpc-05b12a6606983ba52 | default VPC security group |
| my sg_2 | sg-046b56a7c4d96c915 | my sg_2 | vpc-09548f653231ce154 | my sg_2 |
| launch-wizard-7 | sg-05c84c75e29bf6d29 | launch-wizard-7 | vpc-0125c2b61f04b333c | launch-wizard-7 |
| launch-wizard-5 | sg-00cd620d705025470 | launch-wizard-5 | vpc-0125c2b61f04b333c | launch-wizard-5 |
| launch-wizard-10 | sg-09382b114081fbeb | launch-wizard-10 | vpc-0125c2b61f04b333c | launch-wizard-10 |
| launch-wizard-15 | sg-06ab9a193f694aaa2 | launch-wizard-15 | vpc-0125c2b61f04b333c | launch-wizard-15 |

The details for 'my sg_2' (sg-046b56a7c4d96c915) are shown below the table. It is associated with VPC ID vpc-09548f653231ce154 and has 5 inbound rules and 1 outbound rule.

Middle Screenshot: Transit Gateways

The console shows the 'Transit gateways' page. A notification indicates that a transit gateway named 'my transit gateway' (tgw-02e38885a2b6b7cfd) has been successfully created. The table below shows the status of the transit gateway:

| Name | Transit gateway ID | Owner ID | State |
|--------------------|-----------------------|--------------|---------|
| my transit gateway | tgw-02e38885a2b6b7cfd | 947309778595 | Pending |

Bottom Screenshot: Transit Gateway Attachments

The console shows the 'Transit gateway attachments' page. A notification indicates that three attachments have been created. The table below shows the status of the attachments:

| Name | Transit gateway attachment ID | Transit gateway ID | State | Resource type | Resource ID |
|------|-------------------------------|-----------------------|---------|---------------|-----------------------|
| tg_2 | tgw-attach-0331d38e43592b631 | tgw-02e38885a2b6b7cfd | Pending | VPC | vpc-09548f653231ce154 |
| tg_3 | tgw-attach-08cbbba1066f70fbc | tgw-02e38885a2b6b7cfd | Pending | VPC | vpc-07a549ac9b0560b |
| tg_1 | tgw-attach-0cc970d4e78cb297d | tgw-02e38885a2b6b7cfd | Pending | VPC | vpc-05b12a6606983ba |

Now go to routes and edit routes type the range of exsisting ip and add transitgateway like
do for all 3 routes

VPC | eu-north-1Launch an instance | EC2 | eu-n-1

eu-north-1.console.aws.amazon.com/vpcconsole/home?region=eu-north-1#EditRoutes:RouteTableId=rtb-07b2a55a3f34d283c

Search[Alt+S]

Europe (Stockholm)Account ID: 9473-0977-8595Batay/M20R

VPCRoute tablesrtb-07b2a55a3f34d283cEdit routes

Edit routes

| Destination | Target | Status | Propagated | Route Origin |
|-------------|------------------|--------|------------|------------------|
| 10.0.0.0/16 | local | Active | No | CreateRouteTable |
| 0.0.0.0/0 | Internet Gateway | Active | No | CreateRoute |
| 11.0.0.0/16 | Transit Gateway | - | No | CreateRoute |
| 12.0.0.0/16 | Transit Gateway | - | No | CreateRoute |

Add route

CancelPreviewSave changes

CloudShellFeedback

© 2025 Amazon Web Services, Inc. or its affiliates. PrivacyTermsCookie preferences

30°C Mostly sunny

Search

ENG IN09:4909-10-2025

VPC | eu-north-1Launch an instance | EC2 | eu-n-1

eu-north-1.console.aws.amazon.com/vpcconsole/home?region=eu-north-1#EditRoutes:RouteTableId=rtb-0ecdfe71b0d4ecda

Search[Alt+S]

Europe (Stockholm)Account ID: 9473-0977-8595Batay/M20R

VPCRoute tablesrtb-0ecdfe71b0d4ecdaEdit routes

Edit routes

| Destination | Target | Status | Propagated | Route Origin |
|-------------|------------------|--------|------------|------------------|
| 11.0.0.0/16 | local | Active | No | CreateRouteTable |
| 10.0.0.0/16 | Transit Gateway | Active | No | CreateRoute |
| 12.0.0.0/16 | Transit Gateway | Active | No | CreateRoute |
| 0.0.0.0/0 | Internet Gateway | Active | No | CreateRoute |

Add route

CancelPreviewSave changes

eu-north-1.console.aws.amazon.com/vpcconsole/home?region=eu-north-1#EditRoutes:RouteTableId=rtb-0a168b88ecb599ec8

Search [Alt+S]

VPC > Route tables > rtb-0a168b88ecb599ec8 > Edit routes

Edit routes

| Destination | Target | Status | Propagated | Route Origin | |
|-------------|------------------|--------|------------|------------------|--------|
| 12.0.0.0/16 | local | Active | No | CreateRouteTable | |
| 10.0.0.0/16 | Transit Gateway | Active | No | CreateRoute | Remove |
| 11.0.0.0/16 | Transit Gateway | Active | No | CreateRoute | Remove |
| 0.0.0.0/0 | Internet Gateway | Active | No | CreateRoute | Remove |

Add route

Cancel Preview Save changes

Now create 3 instance

eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#Instances:

Search [Alt+S]

EC2 > Instances

Instances (3) Info

Last updated less than a minute ago

Connect Instance state Actions Launch instances

Find Instance by attribute or tag (case-sensitive) All states

| | Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IP |
|--------------------------|------------|---------------------|----------------|---------------|-------------------|---------------|-------------------|-----------|
| <input type="checkbox"/> | instance_2 | i-0072c93058309ea56 | Running | t3.micro | 3/3 checks passed | View alarms + | eu-north-1a | - |
| <input type="checkbox"/> | instance_3 | i-08be42cbbfc7876f6 | Running | t3.micro | 3/3 checks passed | View alarms + | eu-north-1a | - |
| <input type="checkbox"/> | instance_1 | i-07a58c712588a498d | Running | t3.micro | 3/3 checks passed | View alarms + | eu-north-1a | - |

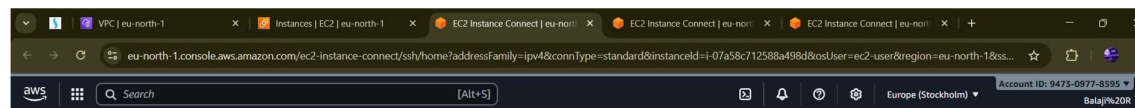
Select an instance

Connect all 3 instances and type ping in instance 1 add paste instance 3 and instance 2 ip add now you see the output like do for 2nd and 3rd instance for 2nd instance try first instance ip or 3rd instance ip to see the result like do for 3rd instance

```
64 bytes from 13.60.2.55: icmp_seq=5 ttl=126 time=0.206 ms
^C
--- 13.60.2.55 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4158ms
rtt min/avg/max/mdev = 0.187/0.228/0.283/0.033 ms
[ec2-user@ip-10-0-1-29 ~]$ ping 13.60.242.198
PING 13.60.242.198 (13.60.242.198) 56(84) bytes of data.
64 bytes from 13.60.242.198: icmp_seq=1 ttl=126 time=0.266 ms
64 bytes from 13.60.242.198: icmp_seq=2 ttl=126 time=0.194 ms
64 bytes from 13.60.242.198: icmp_seq=3 ttl=126 time=0.238 ms
64 bytes from 13.60.242.198: icmp_seq=4 ttl=126 time=0.255 ms
64 bytes from 13.60.242.198: icmp_seq=5 ttl=126 time=0.194 ms
64 bytes from 13.60.242.198: icmp_seq=6 ttl=126 time=0.191 ms
^C
--- 13.60.242.198 ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5188ms
rtt min/avg/max/mdev = 0.191/0.223/0.266/0.031 ms
[ec2-user@ip-10-0-1-29 ~]$
```

i-07a58c712588a498d (instance_1)

PublicIPs: **51.20.123.34** PrivateIPs: 10.0.1.29

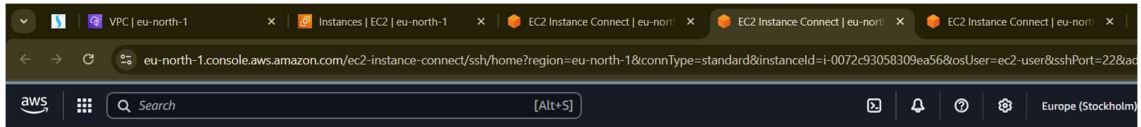


```
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

[ec2-user@ip-10-0-1-29 ~]$ ping 12.0.1.100
PING 12.0.1.100 (12.0.1.100) 56(84) bytes of data.
64 bytes from 12.0.1.100: icmp_seq=1 ttl=126 time=1.33 ms
64 bytes from 12.0.1.100: icmp_seq=2 ttl=126 time=0.299 ms
64 bytes from 12.0.1.100: icmp_seq=3 ttl=126 time=0.301 ms
64 bytes from 12.0.1.100: icmp_seq=4 ttl=126 time=0.320 ms
64 bytes from 12.0.1.100: icmp_seq=5 ttl=126 time=0.300 ms
64 bytes from 12.0.1.100: icmp_seq=6 ttl=126 time=0.427 ms
64 bytes from 12.0.1.100: icmp_seq=7 ttl=126 time=0.310 ms
64 bytes from 12.0.1.100: icmp_seq=8 ttl=126 time=0.308 ms
64 bytes from 12.0.1.100: icmp_seq=9 ttl=126 time=0.361 ms
^C
--- 12.0.1.100 ping statistics ---
9 packets transmitted, 9 received, 0% packet loss, time 8321ms
rtt min/avg/max/mdev = 0.299/0.439/1.325/0.315 ms
[ec2-user@ip-10-0-1-29 ~]$ ping 13.60.2.55
PING 13.60.2.55 (13.60.2.55) 56(84) bytes of data.
64 bytes from 13.60.2.55: icmp_seq=1 ttl=126 time=0.187 ms
```

i-07a58c712588a498d (instance_1)

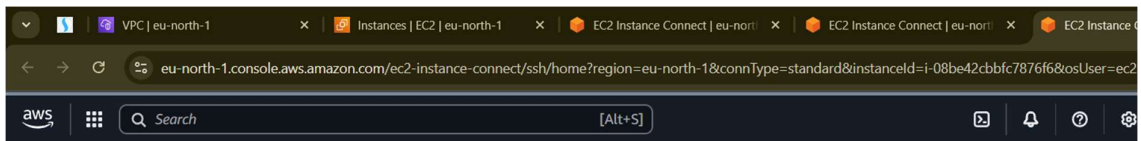
PublicIPs: **51.20.123.34** PrivateIPs: 10.0.1.29



```
/m/'
[ec2-user@ip-11-0-1-241 ~]$ ping 51.20.123.34
PING 51.20.123.34 (51.20.123.34) 56(84) bytes of data.
64 bytes from 51.20.123.34: icmp_seq=1 ttl=126 time=0.187 ms
64 bytes from 51.20.123.34: icmp_seq=2 ttl=126 time=0.190 ms
64 bytes from 51.20.123.34: icmp_seq=3 ttl=126 time=0.200 ms
64 bytes from 51.20.123.34: icmp_seq=4 ttl=126 time=0.197 ms
64 bytes from 51.20.123.34: icmp_seq=5 ttl=126 time=0.233 ms
^C
--- 51.20.123.34 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4197ms
rtt min/avg/max/mdev = 0.187/0.201/0.233/0.016 ms
[ec2-user@ip-11-0-1-241 ~]$ ping 13.60.2.55
PING 13.60.2.55 (13.60.2.55) 56(84) bytes of data.
64 bytes from 13.60.2.55: icmp_seq=1 ttl=126 time=0.254 ms
64 bytes from 13.60.2.55: icmp_seq=2 ttl=126 time=0.196 ms
64 bytes from 13.60.2.55: icmp_seq=3 ttl=126 time=0.212 ms
64 bytes from 13.60.2.55: icmp_seq=4 ttl=126 time=0.190 ms
64 bytes from 13.60.2.55: icmp_seq=5 ttl=126 time=0.203 ms
64 bytes from 13.60.2.55: icmp_seq=6 ttl=126 time=0.214 ms
64 bytes from 13.60.2.55: icmp_seq=7 ttl=126 time=0.205 ms
64 bytes from 13.60.2.55: icmp_seq=8 ttl=126 time=0.200 ms
64 bytes from 13.60.2.55: icmp_seq=9 ttl=126 time=0.194 ms
64 bytes from 13.60.2.55: icmp_seq=10 ttl=126 time=0.187 ms
^C
--- 13.60.2.55 ping statistics ---
10 packets transmitted, 10 received, 0% packet loss, time 9351ms
rtt min/avg/max/mdev = 0.187/0.205/0.254/0.018 ms
```

i-0072c93058309ea56 (instance_2)

PublicIPs: [13.60.242.198](#) PrivateIPs: 11.0.1.241



```
/m/'
[ec2-user@ip-12-0-1-100 ~]$ ping 51.20.123.34
PING 51.20.123.34 (51.20.123.34) 56(84) bytes of data.
64 bytes from 51.20.123.34: icmp_seq=1 ttl=126 time=0.218 ms
64 bytes from 51.20.123.34: icmp_seq=2 ttl=126 time=0.218 ms
64 bytes from 51.20.123.34: icmp_seq=3 ttl=126 time=0.217 ms
64 bytes from 51.20.123.34: icmp_seq=4 ttl=126 time=0.353 ms
64 bytes from 51.20.123.34: icmp_seq=5 ttl=126 time=0.210 ms
64 bytes from 51.20.123.34: icmp_seq=6 ttl=126 time=0.212 ms
^C
--- 51.20.123.34 ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5212ms
rtt min/avg/max/mdev = 0.210/0.238/0.353/0.051 ms
[ec2-user@ip-12-0-1-100 ~]$ ping 13.60.242.198
PING 13.60.242.198 (13.60.242.198) 56(84) bytes of data.
64 bytes from 13.60.242.198: icmp_seq=1 ttl=126 time=0.195 ms
64 bytes from 13.60.242.198: icmp_seq=2 ttl=126 time=0.279 ms
64 bytes from 13.60.242.198: icmp_seq=3 ttl=126 time=0.195 ms
64 bytes from 13.60.242.198: icmp_seq=4 ttl=126 time=0.198 ms
64 bytes from 13.60.242.198: icmp_seq=5 ttl=126 time=0.286 ms
64 bytes from 13.60.242.198: icmp_seq=6 ttl=126 time=0.330 ms
64 bytes from 13.60.242.198: icmp_seq=7 ttl=126 time=0.204 ms
^C
--- 13.60.242.198 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6256ms
rtt min/avg/max/mdev = 0.195/0.241/0.330/0.051 ms
[ec2-user@ip-12-0-1-100 ~]$
```

i-08be42cbbfc7876f6 (instance_3)

PublicIPs: 13.60.255 PrivateIPs: 12.0.1.100