

Created VPC (Includes 2 Public and 2 Private Subnets and Route tables) :

Your VPCs (1/2) Info

Last updated less than a minute ago

Actions

Create VPC

Search

< 1 >

Name

VPC ID

State

Block Public...

IPv4 CIDR

-

[vpc-092ebfd4bf2156a5e](#)

Available

Off

172.31.0.0/16

AWS\_Proj\_1-vpc

[vpc-021006fedfae7b2e7](#)

Available

Off

10.0.0.0/16

vpc-021006fedfae7b2e7 / AWS\_Proj\_1-vpc

Details

Resource map

CIDRs

Flow logs

Tags

Integrations

Details

VPC ID

[vpc-021006fedfae7b2e7](#)

DNS resolution

Enabled

Main network ACL

State

Available

Tenancy

default

Default VPC

Block Public Access

Off

DHCP option set

[dopt-079c59a7c6b6d1770](#)

IPv4 CIDR

DNS hostnames

Enabled

Main route table

[rtb-0465e06e6fa356d29](#)

IPv6 pool

VPC > Your VPCs > vpc-03efc1037bfa90c39

Actions

VPC dashboard

EC2 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

vpc-03efc1037bfa90c39 / AWS-Project-1-vpc

Details

Info

VPC ID

[vpc-03efc1037bfa90c39](#)

DNS resolution

Enabled

Main network ACL

[acl-017c633691f97069a](#)

IPv6 CIDR (Network border group)

State

Available

Tenancy

default

Default VPC

No

Network Address Usage metrics

Disabled

Block Public Access

Off

DHCP option set

[dopt-079c59a7c6b6d1770](#)

IPv4 CIDR

10.0.0.0/16

Route 53 Resolver DNS Firewall rule groups

DNS hostnames

Enabled

Main route table

[rtb-03474794f09f55353](#)

IPv6 pool

Owner ID

[975050115813](#)

Resource map

CIDRs

Flow logs

Tags

Integrations

Resource map

Info

Subnets (4) Info

Last updated 1 minute ago

Actions

Create subnet

Find resources by attribute or tag

< 1 >

<input type="checkbox"/>	Name	Subnet ID	State	VPC
<input type="checkbox"/>	AWS_Proj_1-subnet-public2-ap-south-1b	<a href="#">subnet-040e0e41a0543c1ef</a>	Available	<a href="#">vpc-021006fedfae7b2e7</a>   AWS...
<input type="checkbox"/>	AWS_Proj_1-subnet-private1-ap-south-1a	<a href="#">subnet-0a6f040434546da95</a>	Available	<a href="#">vpc-021006fedfae7b2e7</a>   AWS...
<input type="checkbox"/>	AWS_Proj_1-subnet-private2-ap-south-1b	<a href="#">subnet-0d0af63acfdacaa81</a>	Available	<a href="#">vpc-021006fedfae7b2e7</a>   AWS...
<input type="checkbox"/>	AWS_Proj_1-subnet-public1-ap-south-1a	<a href="#">subnet-04c2fc1f949684027</a>	Available	<a href="#">vpc-021006fedfae7b2e7</a>   AWS...

Select a subnet

Route tables (5) Info

Last updated 1 minute ago

Actions

Create route table

Find resources by attribute or tag

< 1 >

<input type="checkbox"/>	Name	Route table ID	Explicit subnet associ...	Edge associations	Main
<input type="checkbox"/>	AWS_Proj_1-rtb-private1-ap-south-1a	<a href="#">rtb-05c18fd10e2408e59</a>	<a href="#">subnet-0a6f040434546d...</a>	-	No
<input type="checkbox"/>	-	<a href="#">rtb-0d4a865e87fa5802a</a>	-	-	Yes
<input type="checkbox"/>	AWS_Proj_1-rtb-public	<a href="#">rtb-0867649cb8e7127f5</a>	2 subnets	-	No
<input type="checkbox"/>	-	<a href="#">rtb-0465e06e6fa356d29</a>	-	-	Yes
<input type="checkbox"/>	AWS_Proj_1-rtb-private2-ap-south-1b	<a href="#">rtb-09b951a044666e1bf</a>	<a href="#">subnet-0d0af63acfdacaa...</a>	-	No

Select a route table

Launched Template to create Auto Scaling Group :

Launch Templates (1/1) Info

Search

Actions

Create launch template

<input checked="" type="checkbox"/>	Launch Template ID	Launch Template Name	Default Version	Latest Version	Create Time
<input checked="" type="checkbox"/>	lt-0d62531717b78c13d	AWS_Proj_1	1	1	2025-02-06T11:00:00.000Z

AWS\_Proj\_1 (lt-0d62531717b78c13d)

Launch template details

Actions

Delete template

Launch template ID

lt-0d62531717b78c13d

Launch template name

AWS\_Proj\_1

Default version

1

Owner

arn:aws:iam::975050115813:role/ot

Details

Versions

Template tags

Search

[Alt+S]

Asia Pacific (Mumbai)

Snehalpawar

EC2 > Auto Scaling groups

Launch configurations

Launch templates

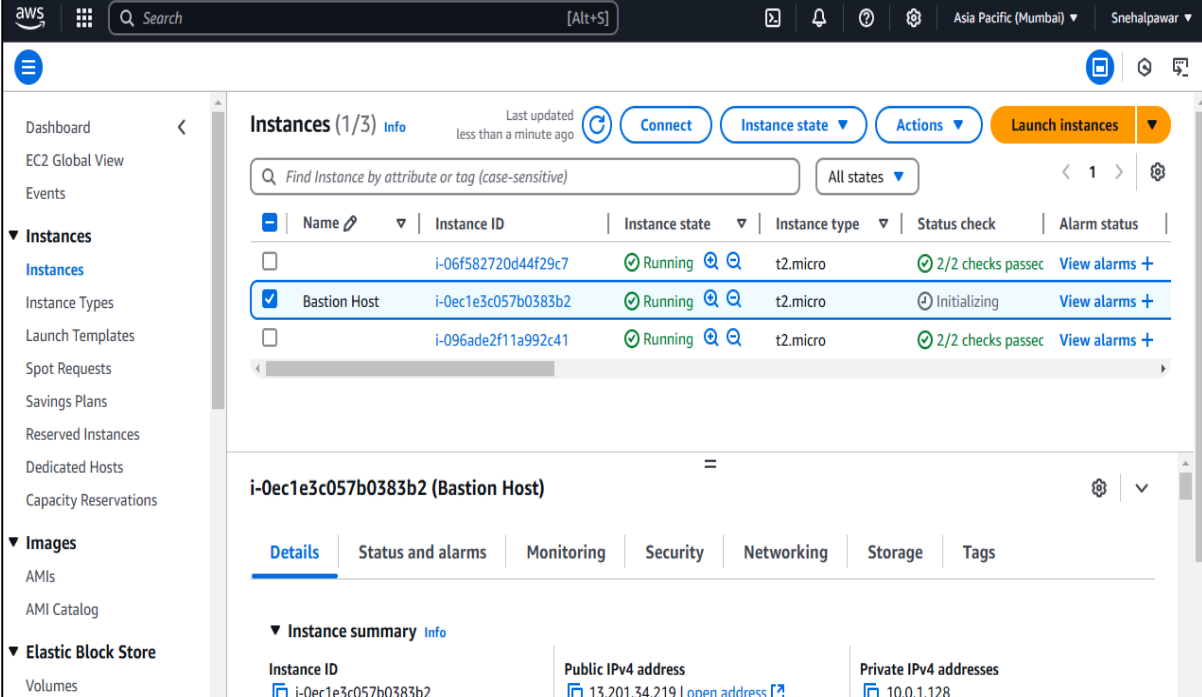
Actions

Create Auto Scaling group

Search your Auto Scaling groups

<input type="checkbox"/>	Name	Launch template/configuration	Instances	Status	Desired Capacity
<input type="checkbox"/>	AWS-Project-1	AWS-Project-example   Version Default	2	-	2

## 1 Bastion Host Created and Automatically 2 Instances were created while Auto scaling group :



The screenshot shows the AWS Management Console 'Instances' page. The left sidebar contains navigation links for Dashboard, EC2 Global View, Events, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images, AMIs, AMI Catalog, and Elastic Block Store. The main content area displays a table of instances. The 'Bastion Host' instance (i-0ec1e3c057b0383b2) is selected, and its details are shown below the table.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
	i-06f582720d44f29c7	Running	t2.micro	2/2 checks passed	View alarms +
Bastion Host	i-0ec1e3c057b0383b2	Running	t2.micro	Initializing	View alarms +
	i-096ade2f11a992c41	Running	t2.micro	2/2 checks passed	View alarms +

**i-0ec1e3c057b0383b2 (Bastion Host)**

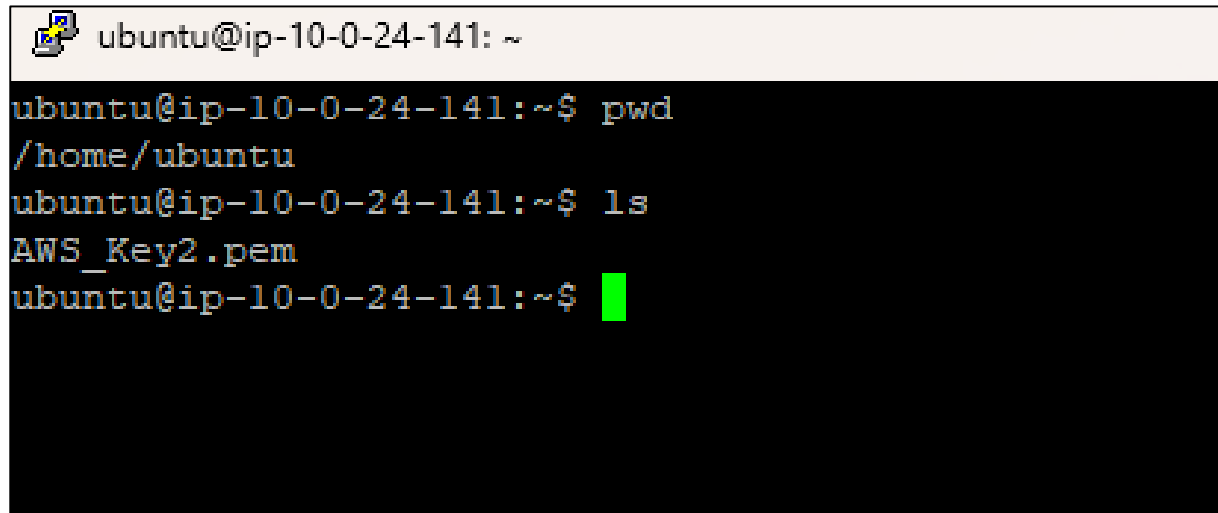
**Instance summary**

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0ec1e3c057b0383b2	13.201.34.219   <a href="#">open address</a>	10.0.1.128

## Copying .Pem file to Bastion Host from Local computer through Command Prompt :

```
C:\Users\Snehal\Downloads>scp -i C:\Users\Snehal\Downloads\AWS_Key2.pem C:\Users\Snehal\Downloads\AWS_Key2.pem ubuntu@3.110.50.130:/home/ubuntu
The authenticity of host '3.110.50.130 (3.110.50.130)' can't be established.
ED25519 key fingerprint is SHA256:w/P2paLx1jC6FxeSLAFjwSpJQ7fSGzeP3FoRWbbga1o.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])?
Warning: Permanently added '3.110.50.130' (ED25519) to the list of known hosts.
AWS_Key2.pem 100% 1674 5.6KB/s 00:00
C:\Users\Snehal\Downloads>|
```

**Logged in to Public Instance using Putty and Checked that file is copied to Bastion Host or not :**

A terminal window with a title bar that reads 'ubuntu@ip-10-0-24-141: ~'. The terminal has a black background with white text. The user enters 'pwd' and the output is '/home/ubuntu'. Then the user enters 'ls' and the output is 'AWS\_Key2.pem'. A green cursor is visible at the end of the last command line.

```
ubuntu@ip-10-0-24-141: ~  
ubuntu@ip-10-0-24-141:~$ pwd  
/home/ubuntu  
ubuntu@ip-10-0-24-141:~$ ls  
AWS_Key2.pem  
ubuntu@ip-10-0-24-141:~$
```