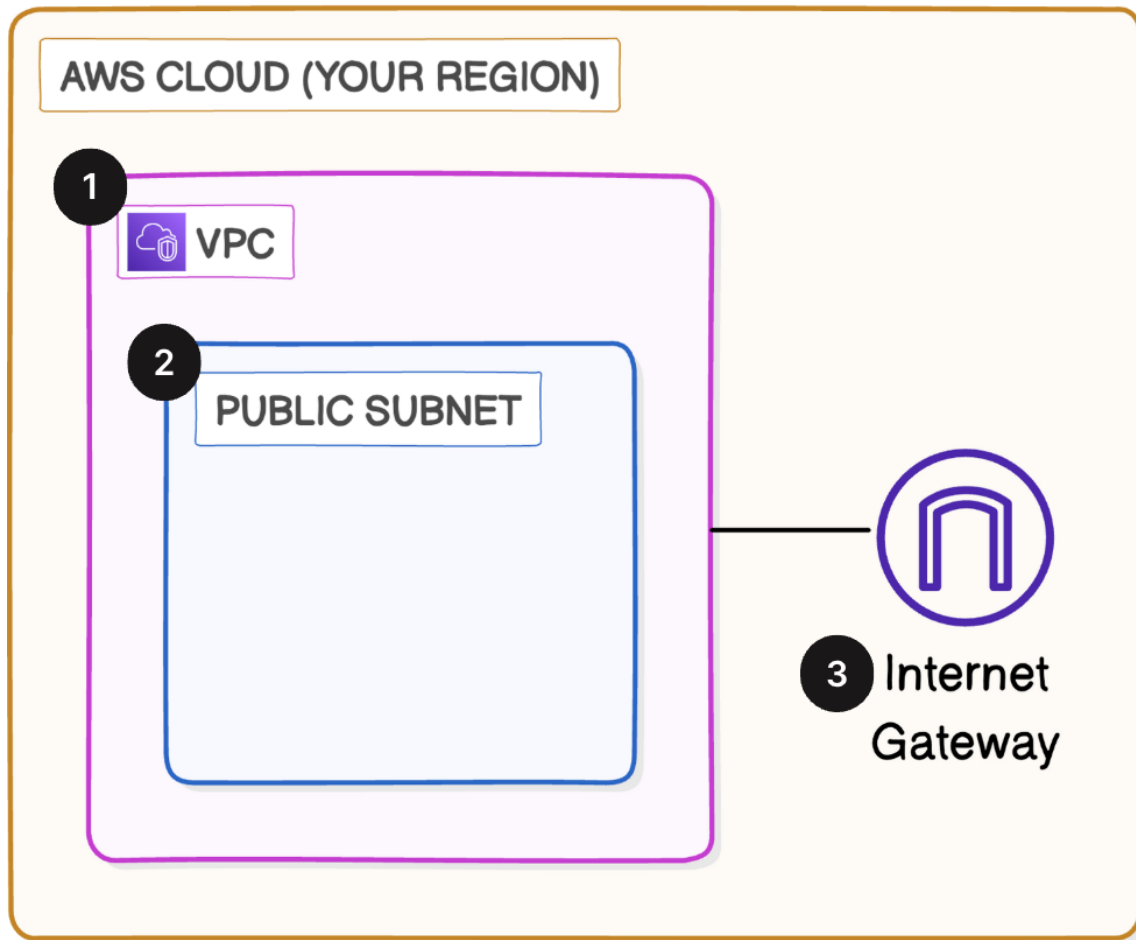


BUILD A VIRTUAL PRIVATE CLOUD - STEP-BY-STEP DOCUMENTATION



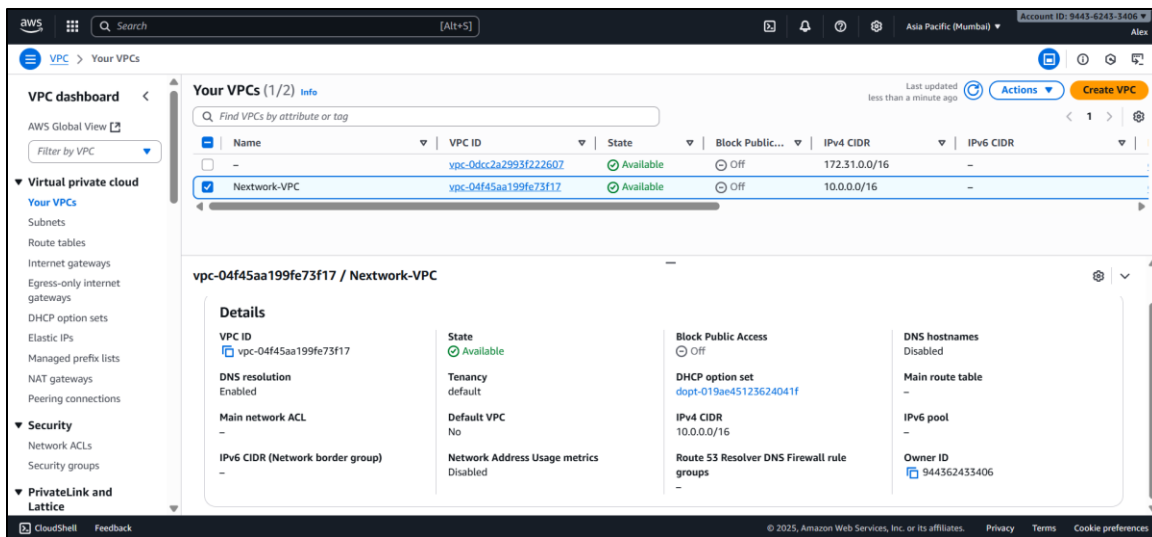
This documentation provides a detailed, step-by-step process for building a Virtual Private Cloud (VPC) in AWS. You will create a custom VPC, configure subnets, and attach an internet gateway to enable connectivity.

Step 1: Create a VPC

Set up a new Virtual Private Cloud in AWS.

Actions:

- - Log in to AWS Management Console.
- - Search for 'VPC' in the search bar and select it.
- - In the left-hand navigation pane, choose 'Your VPCs'.
- - Click 'Create VPC'.
- - Select 'VPC only' option.
- - Enter a Name tag (e.g., NextWork VPC).
- - Enter an IPv4 CIDR block (e.g., 10.0.0.0/16).
- - Click 'Create VPC' to finalize.

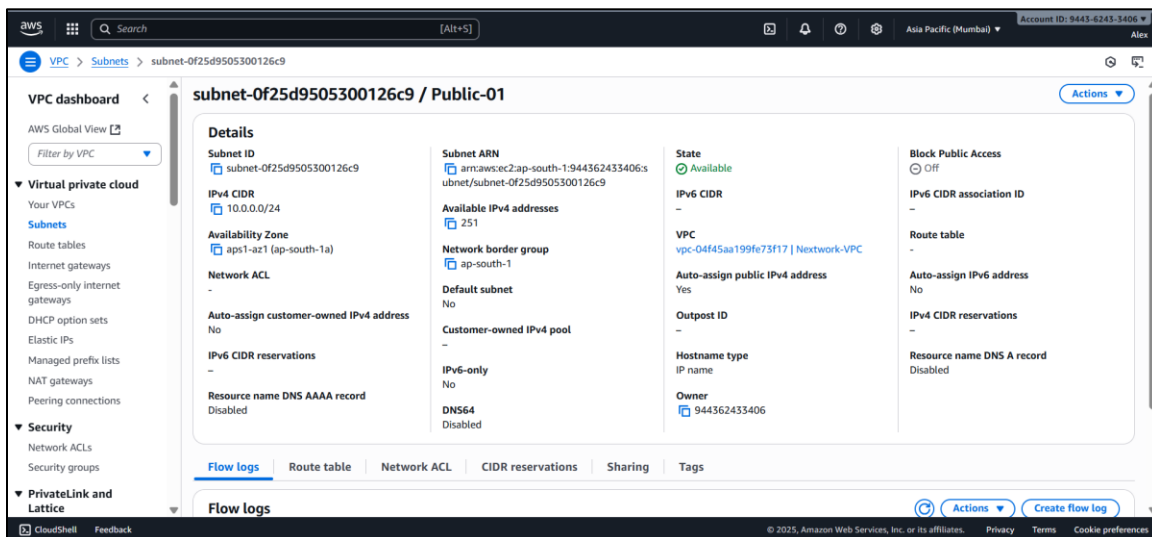


Step 2: Create Subnets

Divide your VPC into subnets for better resource organization.

Actions:

- From the VPC Dashboard, select 'Subnets' in the navigation pane.
- Click 'Create subnet'.
- Choose the VPC you just created (NextWork VPC).
- Enter a Subnet name (e.g., Public 1).
- Select an Availability Zone.
- Enter an IPv4 CIDR block for the subnet (e.g., 10.0.0.0/24).
- Click 'Create subnet'.
- Select your new subnet and go to 'Edit subnet settings'.
- Enable 'Auto-assign public IPv4 address'.
- Click 'Save' to apply changes.



Step 3: Create an Internet Gateway

Attach an internet gateway to your VPC to enable internet access.

Actions:

- - In the VPC Dashboard, select 'Internet gateways' from the left-hand panel.
- - Click 'Create internet gateway'.
- - Enter a Name tag (e.g., NextWork IG).
- - Click 'Create internet gateway'.
- - Select your newly created gateway and choose 'Attach to VPC'.
- - Select your VPC (NextWork VPC) and confirm.
- - Your VPC is now connected to the internet.

