

VPC Creation and Web Deployment

The screenshot shows the AWS Console Home page. On the left, under 'Recently visited', there are links for EC2, EFS, VPC, and S3. In the center, the 'Applications' section shows 0 applications with a 'Create application' button. Below it, the 'Cost and usage' section displays current month costs at \$0.82 and forecasted month end costs at \$1.60. On the right, there's a 'View all services' link and a 'Go to myApplications' link.

Console Home

- Recently visited: EC2, EFS, VPC, S3
- Applications (0): Create application
- Cost and usage: Current month costs \$0.82, Forecasted month end costs \$1.60

Welcome to AWS

Getting started with AWS: Learn the fundamentals and find valuable information to get the most out of AWS.

AWS Health

Open issues: 0 (Past 7 days)

Scheduled changes: 0 (Upcoming and past 7 days)

CloudShell Feedback

VPC dashboard

Virtual private cloud: Your VPCs, Subnets, Route tables, Internet gateways, Egress-only internet gateways, Carrier gateways, DHCP option sets, Elastic IPs, Managed prefix lists, NAT gateways, Peering connections

Security: Network ACLs, Security groups

PrivateLink and Lattice: Getting started, Endpoints

Resources by Region: Note: Your Instances will launch in the United States region.

- VPCs: United States 1, See all regions
- NAT Gateways: United States 0, See all regions
- Subnets: United States 6, See all regions
- VPC Peering Connections: United States 0, See all regions
- Route Tables: United States 1, See all regions
- Network ACLs: United States 1, See all regions
- Internet Gateways: United States 1, See all regions
- Security Groups: United States 11, See all regions
- Egress-only Internet Gateways: United States 0, See all regions
- Customer Gateways: United States 0, See all regions

Service Health: View complete service health details

Settings: Block Public Access, Zones, Console Experiments

Additional Information: VPC Documentation, All VPC Resources, Forums, Report an Issue

AWS Network Manager: AWS Network Manager provides

VPC Creation and Web Deployment

Screenshot 1: AWS VPC Creation - Advanced Mode

The screenshot shows the 'Create VPC' wizard in advanced mode. The left panel contains configuration options for 'VPC settings', including:

- Resources to create:** VPC and more (selected)
- Name tag auto-generation:** project
- IPv4 CIDR block:** 10.0.0.16 (65,536 IPs)
- IPv6 CIDR block:** No IPv6 CIDR block selected
- Tenancy:** Default

The right panel, titled 'Preview', shows the resulting VPC structure:

- VPC:** project-vpc
- Subnets (4):** us-east-1a (2 subnets: public1-us-east-1a, private1-us-east-1a) and us-east-1b (2 subnets: public2-us-east-1b, private2-us-east-1b)
- Routes:** A diagram showing routes from subnets to a central gateway or internet connection.

Screenshot 2: AWS VPC Creation - Simple Mode

The screenshot shows the 'Create VPC' wizard in simple mode. The left panel contains configuration options for 'VPC settings', including:

- Resources to create:** VPC only (selected)
- Name tag - optional:** my-vpc-01
- IPv4 CIDR block:** 10.0.0.24
- IPv6 CIDR block:** No IPv6 CIDR block selected
- Tenancy:** Default

The right panel is not visible in this screenshot.

VPC Creation and Web Deployment

The screenshot shows two consecutive screenshots of the AWS VPC creation and management interface.

Screenshot 1: Create VPC (Step 1)

This screenshot shows the "VPC settings" page for creating a new VPC. The "Resource to create" dropdown is set to "VPC only". The "Name tag - optional" field contains "myvpc01". Under "IPv4 CIDR block", the CIDR block is set to "10.0.0.0/16". Under "IPv6 CIDR block", the option "No IPv6 CIDR block" is selected. Under "Tenancy", the dropdown is set to "Default".

Screenshot 2: VPC Dashboard (Step 2)

This screenshot shows the "VPC dashboard" for the newly created VPC "myvpc01". The VPC ID is "vpc-02764fe607faf6b22". The "Details" section shows the following configuration:

- VPC ID:** vpc-02764fe607faf6b22
- State:** Available
- Block Public Access:** Off
- DNS hostnames:** Disabled
- Main route table:** rtb-08743c6b1aab02fa7
- IPv6 pool:** –
- Owner ID:** 826918265081

The "Resource map" section shows three components:

- VPC:** Show details (Your AWS virtual network)
- Subnets (0):** Subnets within this VPC
- Route tables (1):** Route network traffic to resources

VPC Creation and Web Deployment

The screenshot shows the AWS VPC Subnets page. On the left, there's a navigation sidebar with sections like EC2 Global View, Virtual private cloud (Your VPCs, Subnets, Route tables, Internet gateways, Egress-only internet gateways, Carrier gateways, DHCP option sets, Elastic IPs, Managed prefix lists, NAT gateways, Peering connections), Security (Network ACLs, Security groups), and PrivateLink and Lattice (Getting started, Endpoints). The main area is titled "Subnets (6) Info" and contains a table with columns: Name, Subnet ID, State, VPC, and Block Public... (with a dropdown menu). The table lists six subnets, all of which are available and belong to the same VPC (vpc-055ab3babeb60e07a). The "Actions" button is highlighted in orange.

Name	Subnet ID	State	VPC	Action
-	subnet-0ffdfb83b311d2c21	Available	vpc-055ab3babeb60e07a	Block Public...
-	subnet-07d2082f1e2d02df	Available	vpc-055ab3babeb60e07a	Block Public...
-	subnet-001286422fc613de1	Available	vpc-055ab3babeb60e07a	Block Public...
-	subnet-09a58ddfe/baadea6	Available	vpc-055ab3babeb60e07a	Block Public...
-	subnet-0a6af58cff0ce4b0b	Available	vpc-055ab3babeb60e07a	Block Public...
-	subnet-0170e750e9a1dd9e3	Available	vpc-055ab3babeb60e07a	Block Public...

Select a subnet

The screenshot shows the "Create subnet" page. It has a header "Create subnet" with an "Info" link. Below it is a section titled "VPC" with a "VPC ID" sub-section. A note says "Create subnets in this VPC." There is a dropdown menu labeled "Select a VPC" with two options: "vpc-055ab3babeb60e07a" (172.31.0.0/16) and "vpc-02764fe607faf6b22 (myvpc01)" (10.0.0.0/16). A note at the bottom says "Select a VPC first to create new subnets." At the bottom right are "Cancel" and "Create subnet" buttons.

CloudShell Feedback

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

www.semanticscholar.org www.jraset.com Online Training and Placement Manager Launch AWS Academy Learner Lab subnets | VPC Console us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#subnets: United States (N. Virginia) vocabs/user3879096=reddyprasad.kmit@gmail.com @ 8269-1826-5081

aws Search [Alt+S] Actions Create subnet

Subnets (6) Info

Last updated less than a minute ago

Filter by VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

NAT gateways

Peering connections

Security

Network ACLs

Security groups

PrivateLink and Lattice

Getting started Updated

Endpoints Updated

CloudShell Feedback

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

www.semanticscholar.org www.jraset.com Online Training and Placement Manager Launch AWS Academy Learner Lab VPC | us-east-1 us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#CreateSubnet: United States (N. Virginia) vocabs/user3879096=reddyprasad.kmit@gmail.com @ 8269-1826-5081

aws Search [Alt+S] Actions Create subnet

VPC > Subnets > Create subnet

Create subnet Info

VPC

VPC ID

Create subnets in this VPC.

Select a VPC

(default)

vpc-055ab3babeb60e07a
172.31.0.0/16

vpc-02764fe607faf6b22 (myvpc01)
10.0.0.0/16

Select a VPC first to create new subnets.

Add new subnet

Cancel Create subnet

CloudShell Feedback

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

VPC Creation and Web Deployment

The screenshot shows the 'Create subnet' wizard in the AWS VPC console. In the first step, 'VPC ID', the user has selected 'myvpc01'. Under 'Associated VPC CIDRs', the IPv4 CIDR is set to '10.0.0.0/16'. The second step, 'Subnet settings', allows specifying the subnet name and availability zone. The subnet name is 'my-public-subnet' and the availability zone is 'United States (N. Virginia) / us-east-1a'. The IPv4 CIDR block is '10.0.0.0/16' and the subnet CIDR is '10.0.0.0/24'. A single tag 'Name' is added with the value 'my-public-subnet'.

VPC Creation and Web Deployment

The screenshot shows the AWS VPC Subnets page. A green success message at the top states: "You have successfully created 1 subnet: subnet-0add90ecbf5233384". The Subnets table lists one subnet:

Name	Subnet ID	State	VPC	Block Public...
my-public-subnet	subnet-0add90ecbf5233384	Available	vpc-05bee354915e6f9a7 myv...	Off

Below the table, a section titled "Select a subnet" contains three icons: a magnifying glass, a plus sign, and a minus sign.

The screenshot shows the AWS VPC Subnet details page for the subnet "my-public-subnet". A green success message at the top states: "You have successfully created 1 subnet: subnet-0add90ecbf5233384". The Subnets table shows the same subnet entry as above. The "Actions" dropdown menu is open, showing options like "Edit subnet settings", "Edit IPv6 CIDRs", "Edit network ACL association", "Edit route table association", "Edit CIDR reservations", and "Share subnet".

The "subnet-0add90ecbf5233384" card displays the following details:

Details	Flow logs	Manage tags	Delete subnet
Subnet ID: subnet-0add90ecbf5233384	Subnet ARN: arn:aws:ec2:us-east-1:826918265081:subnet/subnet-0add90ecbf5233384	State: Available	Block Public Access: Off
IPv4 CIDR: 10.0.0.0/24		IPv6 CIDR: -	IPv6 CIDR association ID: -

Below the card, tabs for "Details", "Flow logs", "CIDR reservations", "Sharing", and "Tags" are visible. The "Details" tab is selected.

VPC Creation and Web Deployment

The screenshot shows the AWS VPC console interface. At the top, the URL is `us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#EditSubnetSettings:subnetId=subnet-0add90ecbf5233384`. The main section is titled "Edit subnet settings".

Subnet

Subnet ID	<input type="text" value="subnet-0add90ecbf5233384"/>	Name	<input type="text" value="my-public-subnet"/>
-----------	---	------	---

Auto-assign IP settings

Enable AWS to automatically assign a public IPv4 or IPv6 address to a new primary network interface for an instance in this subnet.

Enable auto-assign public IPv4 address

Enable auto-assign customer-owned IPv4 address

Resource-based name (RBN) settings

Specify the hostname type for EC2 instances in this subnet and optional RBN DNS query settings.

Enable resource name DNS A record on launch

Enable resource name DNS AAAA record on launch

Hostname type

Resource name
 IP name

DNS64 settings

You have successfully changed subnet settings:

- Enable auto-assign public IPv4 address

Subnets (1/1)

Subnet ID	Name	Subnet ID	State	VPC	Action
<input type="checkbox"/>	<input checked="" type="checkbox"/> my-public-subnet	subnet-0add90ecbf5233384	Available	ypc-05bee354915e6f9a7 myv...	<input type="checkbox"/> Off

subnet-0add90ecbf5233384 / my-public-subnet

Details

Subnet ID <input type="text" value="subnet-0add90ecbf5233384"/>	Subnet ARN <input type="text" value="arn:aws:ec2:us-east-1:826918265081:subnet:subnet-0add90ecbf5233384"/>	State <input checked="" type="radio"/> Available	Block Public Access <input type="checkbox"/> Off
IPv4 CIDR <input type="text" value="10.0.0.0/24"/>		IPv6 CIDR <input type="text" value="-"/>	IPv6 CIDR association ID <input type="text" value="-"/>

VPC Creation and Web Deployment

The screenshot shows two consecutive screenshots of the AWS VPC console.

Screenshot 1: Create Subnet

This screenshot shows the "Create subnet" wizard. At the top, it lists "Associated VPC CIDRs" with one entry: "IPv4 CIDRs 10.0.0.0/16". The main section is titled "Subnet settings" with the sub-section "Subnet 1 of 1".

- Subnet name:** A text input field containing "my-private-subnet". Below it, a note says "The name can be up to 256 characters long."
- Availability Zone:** A dropdown menu set to "United States (N. Virginia) / us-east-1b".
- IPv4 VPC CIDR block:** A dropdown menu set to "10.0.0.0/16".
- IPv4 subnet CIDR block:** A dropdown menu set to "10.0.1.0/24".

Screenshot 2: VPC Dashboard - Subnets

This screenshot shows the "Subnets" section of the VPC dashboard. It displays a success message: "You have successfully created 1 subnet: subnet-021276a2027b291b3".

Name	Subnet ID	State	VPC	Block Public...
my-private-subnet	subnet-021276a2027b291b3	Available	ypc-05bee354915e6f9a7 myv...	Off

The sidebar on the left includes sections for EC2 Global View, Virtual private cloud (with Subnets, Route tables, Internet gateways, Egress-only internet gateways, Carrier gateways, DHCP option sets, Elastic IPs, Managed prefix lists, NAT gateways, Peering connections), Security (Network ACLs, Security groups), and PrivateLink and Lattice (Getting started, Endpoints).

VPC Creation and Web Deployment

The screenshot shows the AWS VPC Route Tables console. The left sidebar navigation includes 'VPC dashboard', 'EC2 Global View', 'Virtual private cloud' (with 'Your VPCs', 'Subnets', 'Route tables' selected), 'Route tables' (selected), 'Internet gateways', 'Egress-only internet gateways', 'Carrier gateways', 'DHCP option sets', 'Elastic IPs', 'Managed prefix lists', 'NAT gateways', 'Peering connections', 'Security' (with 'Network ACLs' and 'Security groups'), 'PrivateLink and Lattice' (with 'Getting started' and 'Endpoints' both marked as 'Updated'), and 'CloudShell' and 'Feedback' buttons.

The main content area displays 'Route tables (2) Info'. A search bar at the top says 'Find resources by attribute or tag'. Below it is a table with columns: Name, Route table ID, Explicit subnet assoc..., Edge associations, Main, and VPC. The table contains two rows:

Name	Route table ID	Explicit subnet assoc...	Edge associations	Main	VPC
-	rtb-08743c6b1aab02fa7	-	-	Yes	vpc-02764fe607
-	rtb-00804b331c80424fb	-	-	Yes	vpc-055ab3bab1

A message below the table says 'Select a route table'.

The screenshot shows the AWS Internet Gateways console. The left sidebar navigation is identical to the first screenshot. The main content area displays 'Internet gateways (1) Info'. A search bar at the top says 'Search'. Below it is a table with columns: Name, Internet gateway ID, State, VPC ID, and Owner. The table contains one row:

Name	Internet gateway ID	State	VPC ID	Owner
-	igw-0f2510bb06608292b	Attached	vpc-055ab3babeb60e07a	826918

A message below the table says 'Select an internet gateway above'.

VPC Creation and Web Deployment

The screenshot shows the 'Create internet gateway' wizard in the AWS VPC console. In the 'Internet gateway settings' section, a 'Name tag' is added with the value 'my-gateway'. In the 'Tags - optional' section, a single tag 'my-gateway' is added under the key 'Name'. At the bottom right, there are 'Cancel' and 'Create internet gateway' buttons.

The screenshot shows the AWS VPC dashboard. On the left, a sidebar lists various VPC-related services like EC2 Global View, Virtual private cloud, Internet gateways, Security, PrivateLink and Lattice, and Network ACLs. The 'Internet gateways' section is expanded, showing the newly created internet gateway 'igw-0fc9fcf564515fdf / my-gateway'. A green notification bar at the top right says: 'The following internet gateway was created: igw-0fc9fcf564515fdf - my-gateway. You can now attach to a VPC to enable the VPC to communicate with the internet.' Below the notification, there's an 'Actions' button and a 'Details' section with information like Internet gateway ID, State (Detached), VPC ID (empty), and Owner (826918265081). The 'Tags' section shows the tag 'Name: my-gateway'. At the bottom right, there are 'Attach to a VPC' and 'Manage tags' buttons.

VPC Creation and Web Deployment

The screenshot shows the AWS VPC Internet Gateways console. A message at the top indicates that an internet gateway has been created and can now be attached to a VPC. The main section displays the details of the internet gateway, including its ID (igw-0fcf9fcf564515fdf), state (Detached), and owner (8269182). A 'Details' tab is selected, and a 'Tags' section shows a single tag named 'my-gateway'. An 'Actions' menu offers options like 'Attach to VPC', 'Detach from VPC', 'Manage tags', and 'Delete'.

Details **Info**

Internet gateway ID: igw-0fcf9fcf564515fdf | State: Detached | VPC ID: - | Owner: 8269182

Tags

Name: my-gateway

Actions

Attach to VPC | Detach from VPC | Manage tags | Delete

The screenshot shows the 'Attach to VPC' dialog box. It prompts the user to attach the internet gateway to a specific VPC. A search bar contains the ID 'vpc-05bee354915e6f9a7'. Below the search bar, a note says 'Use: "vpc-05bee354915e6f9a7"' followed by the full VPC name 'vpc-05bee354915e6f9a7 - myvpc01'. At the bottom right are 'Cancel' and 'Attach internet gateway' buttons.

VPC

Attach an internet gateway to a VPC to enable the VPC to communicate with the internet. Specify the VPC to attach below.

Available VPCs

Attach the internet gateway to this VPC.

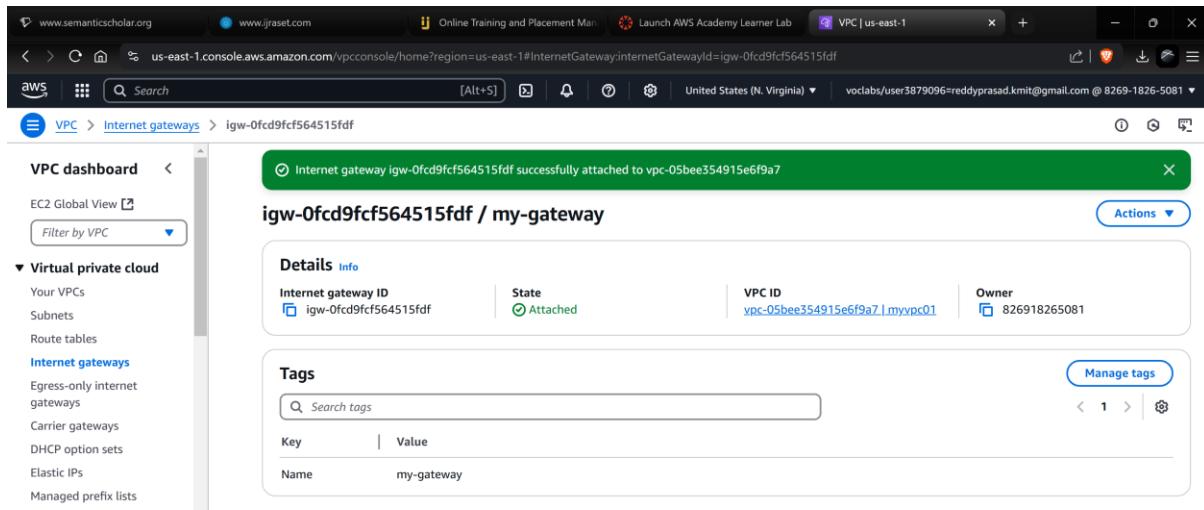
vpc-05bee354915e6f9a7

Use: "vpc-05bee354915e6f9a7"

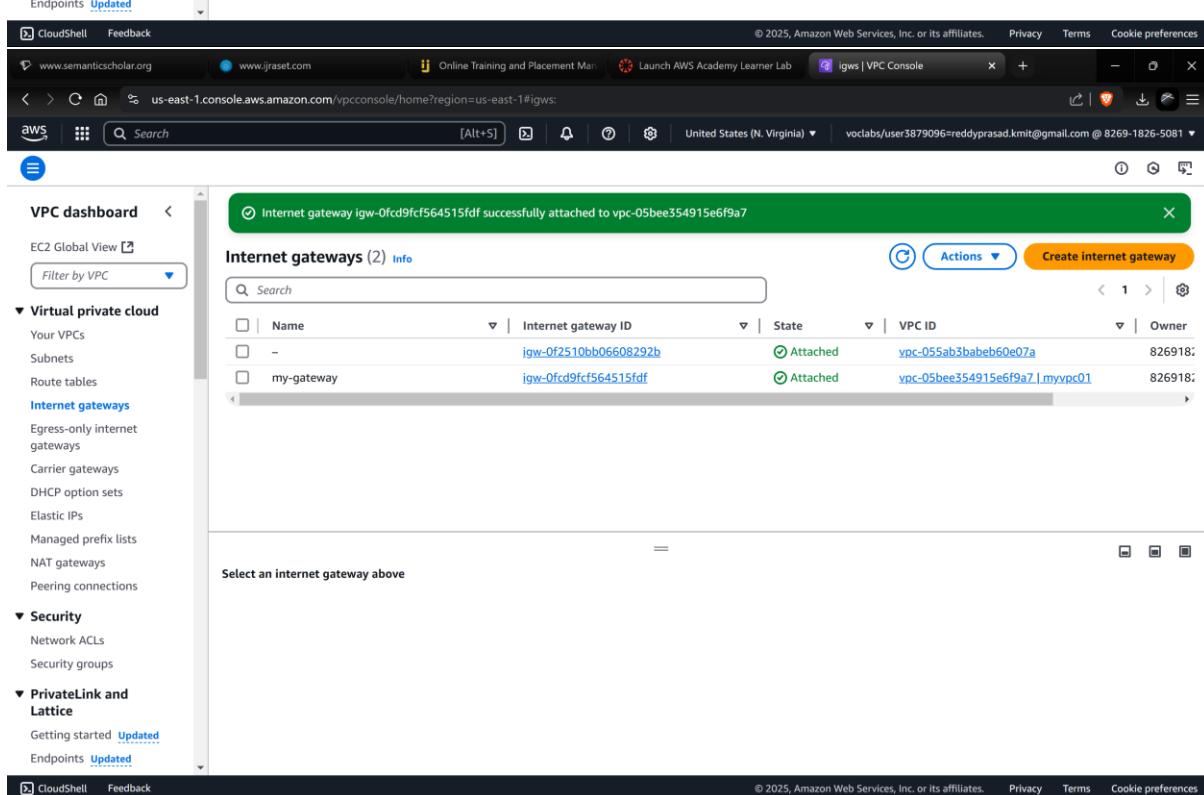
vpc-05bee354915e6f9a7 - myvpc01

Cancel Attach internet gateway

VPC Creation and Web Deployment



The screenshot shows the AWS VPC Internet Gateways console. A success message at the top indicates that the internet gateway `igw-0fc9fcf564515fdf` was successfully attached to the VPC `vpc-05bee354915e6f9a7`. The main card displays the gateway's details: `Internet gateway ID: igw-0fc9fcf564515fdf`, `State: Attached`, `VPC ID: vpc-05bee354915e6f9a7 | myvpc01`, and `Owner: 826918265081`. Below this is a `Tags` section with one entry: `Name: my-gateway`. On the left sidebar, the `Internet gateways` section is expanded, showing options like Egress-only internet gateways, Carrier gateways, DHCP option sets, Elastic IPs, Managed prefix lists, NAT gateways, and Peering connections.



The screenshot shows the AWS VPC Internet Gateways console with two gateways listed in the table. The first gateway, `igw-0f2510bb06608292b`, is attached to VPC `vpc-055ab3babeb60e07a` (Owner: 826918265081). The second gateway, `igw-0fc9fcf564515fdf`, is attached to VPC `vpc-05bee354915e6f9a7 | myvpc01` (Owner: 826918265081). A message at the bottom says "Select an internet gateway above". The left sidebar shows the `Internet gateways` section is also expanded.

VPC Creation and Web Deployment

The screenshot shows the AWS VPC Route Tables console. On the left, a navigation sidebar includes links for VPC dashboard, EC2 Global View, Virtual private cloud (Your VPCs, Subnets, Route tables), Security (Network ACLs, Security groups), PrivateLink and Lattice (Getting started, Endpoints), and CloudShell/Feedback.

The main area displays the "Route tables (1/2) Info" page. It lists two route tables:

Name	Route table ID	Explicit subnet associations	Edge associations	Main	VPC
-	rtb-00804b331c80424fb	-	-	No	vpc-055ab3babx
<input checked="" type="checkbox"/>	rtb-022eee5b257f123d4	-	-	Yes	vpc-05bee3549

A modal window for the selected route table "rtb-022eee5b257f123d4" is open, showing its details:

Details		Explicit subnet associations	Edge associations
Route table ID	rtb-022eee5b257f123d4	Main	<input checked="" type="checkbox"/> Yes
VPC	vpc-05bee354915e6f9a7 myvpc01	Owner ID	<input checked="" type="checkbox"/> 826918265081
Actions			

The right side of the screen shows the "Actions" dropdown menu for the selected route table:

- Create route table
- View details
- Set main route table
- Edit subnet associations
- Edit edge associations
- Edit route propagation
- Edit routes
- Manage tags
- Delete route table

At the bottom, there are links for CloudShell and Feedback, and standard footer links for Privacy, Terms, and Cookie preferences.

VPC Creation and Web Deployment

The screenshot shows the AWS VPC console with the URL us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#EditRouteTableSubnetAssociations:RouteTableId=rtb-022eee5b257f123d4. The page title is "Edit subnet associations". It displays a table of available subnets:

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
my-public-subnet	subnet-0add90ecbf523384	10.0.0.0/24	-	Main (rtb-022eee5b257f123d4)
my-private-subnet	subnet-021276a2027b291b3	10.0.1.0/24	-	Main (rtb-022eee5b257f123d4)

Buttons at the bottom right include "Cancel" and "Save associations".

The screenshot shows the AWS VPC console with the URL us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#EditRoutes:RouteTableId=rtb-022eee5b257f123d4. The page title is "Edit routes". It displays a table of routes:

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No

Buttons at the bottom right include "Add route", "Cancel", "Preview", and "Save changes".



VPC Creation and Web Deployment

The screenshot shows the 'Edit routes' interface for a specific route table. The table has one entry:

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No

Below the table are buttons for 'Add route' (blue), 'Cancel' (grey), 'Preview' (grey), and 'Save changes' (orange).

The screenshot shows the 'rtb-022eee5b257f123d4' route table details. The 'Details' tab is selected, showing:

- Route table ID: rtb-022eee5b257f123d4
- Main: Yes
- Owner ID: vpc-05bee354915e6f9a7 | myvpc01
- Explicit subnet associations: -
- Edge associations: -

The 'Routes' tab is selected, showing two routes:

Destination	Target	Status	Propagated
0.0.0.0/0	igw-0fc9fcf564515fdf	Active	No
10.0.0.0/16	local	Active	No

Buttons for 'Actions' (dropdown), 'Edit routes' (blue), and 'Both' (dropdown) are visible.

VPC Creation and Web Deployment

The screenshot shows the 'Launch an instance' wizard on the AWS EC2 console. The 'Summary' step is displayed, showing the following configuration:

- Number of instances:** 1
- Software Image (AMI):** Amazon Linux 2023 AMI 2023.6.2... (ami-088b5b3a93ed654d19)
- Virtual server type (instance type):** t2.micro
- Firewall (security group):** New security group
- Storage (volumes):** 1 volume(s) - 8 GiB

At the bottom right are 'Cancel', 'Launch instance', and 'Preview code' buttons.

The screenshot shows the 'Instance type' step of the wizard. It lists the available instance types:

- t2.micro: Family: t2, 1 vCPU, 1 GiB Memory. Current generation: true. Free tier eligible. On-Demand Windows base pricing: 0.0162 USD per Hour. On-Demand Ubuntu Pro base pricing: 0.0134 USD per Hour. On-Demand SUSE base pricing: 0.0116 USD per Hour. On-Demand RHEL base pricing: 0.026 USD per Hour. On-Demand Linux base pricing: 0.0116 USD per Hour.
- All generations: A radio button option.
- Compare instance types: A link.

At the bottom right are 'Cancel', 'Launch instance', and 'Preview code' buttons.

The screenshot shows the 'Name and tags' step of the wizard. The 'Name' field contains 'myvpc001'. At the bottom right are 'Cancel', 'Launch instance', and 'Preview code' buttons.

The screenshot shows the 'Application and OS Images (Amazon Machine Image)' step of the wizard. It includes a search bar and a list of recent and quick start AMIs:

- Recent AMIs: Amazon Linux, macOS, Ubuntu, Windows, Red Hat, SUSE Linux, Debian.
- Quick Start AMIs: Amazon Linux, macOS, Ubuntu, Windows, Red Hat, SUSE Linux, Debian.
- Browse more AMIs: A link to view additional AMIs from AWS, Marketplace, and the Community.

At the bottom right are 'Cancel', 'Launch instance', and 'Preview code' buttons.

The screenshot shows the 'Amazon Machine Image (AMI)' step of the wizard. It displays the selected AMI details:

Amazon Machine Image (AMI): Amazon Linux 2023 AMI
ami-088b5b3a93ed654d19 (64-bit (x86), uefi-preferred) / ami-0eae2a0fc13b15fce (64-bit (Arm), uefi)
Virtualization: hvm ENA enabled: true Root device type: ebs

At the bottom right are 'Cancel', 'Launch instance', and 'Preview code' buttons.

VPC Creation and Web Deployment

The screenshot shows the AWS EC2 'Launch an instance' wizard at the 'Network settings' step. The left panel displays network configuration options, while the right panel shows a summary and launch buttons.

Left Panel: Network settings

- Network:** vpc-055ab3babeb60e07a
- Subnet:** No preference (Default subnet in any availability zone)
- Auto-assign public IP:** Enabled
- Firewall (security groups):** A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
 - Create security group
 - Select existing security group
- Additional charges apply when outside of free tier allowance**

We'll create a new security group called 'launch-wizard-8' with the following rules:

Allow SSH traffic from Anywhere (0.0.0.0/0)

Right Panel: Summary

- Number of instances:** 1
- Software Image (AMI):** Amazon Linux 2023 AMI 2023.6.2... (read more)
- Virtual server type (instance type):** t2.micro
- Firewall (security group):** New security group
- Storage (volumes):** 1 volume(s) - 8 GiB

Buttons: Cancel, Launch instance, Preview code

Bottom Navigation: CloudShell, Feedback

VPC Creation and Web Deployment

The screenshot shows the AWS EC2 'Launch an instance' wizard. In the 'Network settings' section, a VPC named 'myvc01' is selected. A subnet named 'my-public-subnet' is chosen, and 'Auto-assign public IP' is enabled. Under 'Inbound Security Group Rules', a security group rule for TCP port 22 is listed. The 'Summary' section shows 1 instance being launched with an Amazon Linux 2023 AMI, t2.micro instance type, and 8 GiB storage. The 'Launch instance' button is highlighted.

Network settings

VPC - required | [Info](#)
vpc-05bee354915e6f9a7 (myvc01)
10.0.0.0/16

Subnet | [Info](#)
subnet-0add90ecbf5233384 my-public-subnet
VPC: vpc-05bee354915e6f9a7 Owner: 826918265081 Availability Zone: us-east-1a
Zone type: Availability Zone IP addresses available: 251 CIDR: 10.0.0.0/24

Auto-assign public IP | [Info](#)
Enable
Additional charges apply when outside of free tier allowance

Firewall (security groups) | [Info](#)
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
Create security group Select existing security group

Security group name - required
launch-wizard-8

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and _-/.@#=;&,:\$^

Description - required | [Info](#)
launch-wizard-8 created 2025-03-22T10:00:37.244Z

Inbound Security Group Rules
Security group rule 1 (TCP, 22, 0.0.0.0/0)

Type | [Info](#) Protocol | [Info](#) Port range | [Info](#)
Remove

Summary

Number of instances | [Info](#)
1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.6.2... [read more](#)
ami-0805b3a93ed654d19

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

[Cancel](#) [Launch instance](#) [Preview code](#)

The screenshot shows the success page after launching an instance. It displays a green success message: 'Successfully initiated launch of instance (i-049be15186ddaf983)'. Below this, there's a 'Launch log' link and a 'Next Steps' section with various options like 'Create billing and free tier usage alerts', 'Connect to your instance', 'Connect an RDS database', 'Create EBS snapshot policy', 'Manage detailed monitoring', 'Create Load Balancer', 'Create AWS budget', and 'Manage CloudWatch alarms'.

Success
Successfully initiated launch of instance (i-049be15186ddaf983)

[Launch log](#)

Next Steps

What would you like to do next with this instance, for example "create alarm" or "create backup"

Create billing and free tier usage alerts
Once your instance is running, log into it from your local computer.
[Create billing alerts](#)

Connect to your instance
Configure the connection between an EC2 instance and a database to allow traffic flow between them.
[Connect to instance](#) [Learn more](#)

Connect an RDS database
Create a policy that automates the creation, retention, and deletion of EBS snapshots.
[Create an RDS database](#) [Create a new RDS database](#) [Learn more](#)

Create EBS snapshot policy

Manage detailed monitoring
Enable or disable detailed monitoring for the instance. If you enable detailed monitoring, the Amazon EC2 console displays monitoring graphs with a 1-minute period.
[Create Load Balancer](#)

Create Load Balancer
Create a application, network gateway or classic Elastic Load Balancer.
[Create Load Balancer](#)

Create AWS budget
AWS Budgets allows you to create budgets, forecast spend, and take action on your costs and usage from a single location.
[Create AWS budget](#)

Manage CloudWatch alarms
Create or update Amazon CloudWatch alarms for this instance.
[Manage CloudWatch alarms](#)

CloudShell Feedback

VPC Creation and Web Deployment

The screenshot shows the AWS EC2 'Launch an instance' wizard. The first step, 'Name and tags', has a 'Name' field containing 'myvpc002'. The second step, 'Application and OS Images (Amazon Machine Image)', shows a search bar and a grid of OS icons including Amazon Linux, macOS, Ubuntu, Windows, Red Hat, SUSE Linux, and Debian. A 'Browse more AMIs' link is available. The third step, 'Instance type', shows a selected 't2.micro' instance type with details like 1 vCPU, 1 GiB Memory, and Current generation: true. It also includes sections for 'Key pair (login)', 'Network settings', and a summary of the instance configuration.

Launch an instance [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags [Info](#)

Name
myvpc002 [Add additional tags](#)

Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Recent **Quick Start**

Amazon Linux macOS Ubuntu Windows Red Hat SUSE Linux Debian [Browse more AMIs](#)
Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI
ami-0805b3a93ed654d19 (64-bit (x86), uefi-preferred) / ami-0ea2a0fc13b15fce (64-bit (Arm), uefi)
Virtualization: hvm ENA enabled: true Root device type: ebs

Instance type [Info](#) [Get advice](#)

t2.micro [Free tier eligible](#)

Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand Ubuntu Pro base pricing: 0.0134 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour
On-Demand RHEL base pricing: 0.026 USD per Hour
On-Demand Linux base pricing: 0.0116 USD per Hour

Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required
bot1 [Create new key pair](#)

Network settings [Info](#)

Network [Info](#)
vpc-055ab3babeb60e07a

Subnet [Info](#)
No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#)
Enable

Summary

Number of instances [Info](#)
1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.6.2... [read more](#)
ami-0805b3a93ed654d19

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

[Cancel](#) [Launch instance](#) [Preview code](#)

VPC Creation and Web Deployment

The screenshot shows the AWS EC2 'Launch an instance' wizard. On the left, under 'Network settings', a VPC is selected (vpc-05bee354915e6f9a7) and a subnet (subnet-021276a2027b291b3) is chosen. A security group is being created (launched-wizard-9). On the right, the summary shows 1 instance launching, using an Amazon Linux 2023 AMI, instance type t2.micro, and 8 GiB storage. The 'Launch instance' button is highlighted.

Success
Successfully initiated launch of instance (i-09552cecb9fc740b3)

Next Steps

- Create billing and free tier usage alerts
- Connect to your instance
- Connect an RDS database
- Create EBS snapshot policy
- Manage detailed monitoring
- Create Load Balancer
- Create AWS budget
- Manage CloudWatch alarms

VPC Creation and Web Deployment

The screenshot shows the AWS EC2 Instances page. On the left, a sidebar menu is open under the 'EC2' section, showing various options like Dashboard, EC2 Global View, Events, Instances, Images, Elastic Block Store, Network & Security, and CloudShell. The main area displays a table titled 'Instances (1/2) Info' with two rows. The first row is for instance 'myvpc002' (Instance ID: i-09552cecb9fc740b3), which is 'Running' and has an 't2.micro' instance type. The second row is for instance 'myvpc001' (Instance ID: i-049be15186ddaf983), which is also 'Running' and has an 't2.micro' instance type. Both instances are in the 'us-east-1b' availability zone. Below the table, a specific instance detail is shown for 'i-049be15186ddaf983 (myvpc001)'. The 'Details' tab is selected, showing information such as Instance ID (i-049be15186ddaf983), Public IPv4 address (18.206.172.112), Instance state (Running), and Private IP DNS name (ip-10-0-0-147.ec2.internal). Other tabs include Status and alarms, Monitoring, Security, Networking, Storage, and Tags.

Connect to instance Info

Connect to your instance i-049be15186ddaf983 (myvpc001) using any of these options

The screenshot shows the 'Connect to instance' dialog box. At the top, there are tabs for 'EC2 Instance Connect', 'Session Manager', 'SSH client', and 'EC2 serial console'. The 'EC2 Instance Connect' tab is active. It shows the instance ID 'i-049be15186ddaf983 (myvpc001)' and a 'Connection Type' section with two options: 'Connect using EC2 Instance Connect' (selected) and 'Connect using EC2 Instance Connect Endpoint'. Below this are fields for 'Public IPv4 address' (18.206.172.112) and 'IPv6 address'. A 'Username' field contains 'ec2-user'. A note at the bottom states: 'Note: In most cases, the default username, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.' At the bottom right are 'Cancel' and 'Connect' buttons.

CloudShell Feedback

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

VPC Creation and Web Deployment

```
www.semanticscholar.org  www.jraset.com  Online Training and Placement  Launch AWS Academy Learn!  Instances | EC2 | us-east-1  EC2 Instance Connect  - +  us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-049be15186ddaf983&osUser=ec2-user&region...  Search  [Alt+5]  Search  United States (N. Virginia)  vclabs/user3879096=reddyprasad.kmit@gmail.com @ 8269-1826-5081  Amazon Linux 2023  https://aws.amazon.com/linux/amazon-linux-2023  [ec2-user@ip-10-0-0-147 ~]$ sudo su  [root@ip-10-0-0-147 ec2-user]#
```

i-049be15186ddaf983 (myvpc001)

Public IPs: 18.206.172.112 Private IPs: 10.0.0.147

CloudShell Feedback

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

www.semanticscholar.org www.jraset.com Online Training and Placement Launch AWS Academy Learn Launch an instance | EC2 EC2 Instance Connect | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

Search [Alt+5] United States (N. Virginia) v voclabs/user3879096=reddyprasad.kmit@gmail.com @ 8269-1826-5081

EC2 Instances Launch an instance

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info

Name Add additional tags

▼ Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

Recents Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat SUSE Linux Debian

aws Mac ubuntu Microsoft Red Hat SUSE deban

Browse more AMIs Including AMIs from AWS, Marketplace and the Community

Summary

Number of instances Info 1

Software Image (AMI)
Canonical, Ubuntu, 24.04, amd6... read more
ami-084568db4383264d4

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Cancel Launch instance Preview code

VPC Creation and Web Deployment

On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand Ubuntu Pro base pricing: 0.0134 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour
On-Demand RHEL base pricing: 0.026 USD per Hour
On-Demand Linux base pricing: 0.0116 USD per Hour

Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

bot1

Create new key pair

Network settings Info

Network Info
vpc-055ab3babeb60e07a

Subnet Info
No preference (Default subnet in any availability zone)

Auto-assign public IP Info
Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

Summary

Number of instances: 1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.6.2... read more
ami-08b5b3a93ed654d19

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Launch instance Preview code

Network settings Info

Network Info
vpc-055ab3babeb60e07a

Subnet Info
No preference (Default subnet in any availability zone)

Auto-assign public IP Info
Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

We'll create a new security group called 'launch-wizard-10' with the following rules:

Allow SSH traffic from
Helps you connect to your instance Anywhere
0.0.0.0/0

Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server

Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server

Summary

Number of instances: 1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.6.2... read more
ami-08b5b3a93ed654d19

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Launch instance Preview code

⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

VPC Creation and Web Deployment

The screenshot shows the AWS EC2 'Launch an instance' wizard. In the 'Network settings' section, a VPC named 'myvc01' is selected. A subnet named 'my-public-subnet' is chosen, and 'Auto-assign public IP' is enabled. Under 'Firewall (security groups)', a new security group named 'launch-wizard-10' is being created. The 'Description' field contains 'launch-wizard-10 created 2025-03-22T10:06:22.119Z'. In the 'Summary' section, it shows 1 instance launching with the Amazon Linux 2023 AMI. The 'Launch instance' button is highlighted.

Network settings

VPC - required

vpc-05bee354915e6f9a7 (myvc01)
10.0.0.0/16

Subnet

subnet-0add90ecbf5233384 my-public-subnet
VPC: vpc-05bee354915e6f9a7 Owner: 826918265081 Availability Zone: us-east-1a
Zone type: Availability Zone IP addresses available: 250 CIDR: 10.0.0.0/24

Auto-assign public IP

Enable Additional charges apply when outside of free tier allowance

Firewall (security groups)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

Description - required

launch-wizard-10 created 2025-03-22T10:06:22.119Z

Inbound Security Group Rules

Security group rule 1 (TCP, 22, 0.0.0.0/0) Remove

Type | Info Protocol | Info Port range | Info

Summary

Number of instances | Info
1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.6.2...read more
ami-0805b3a93ed654d19

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Cancel Launch instance Preview code

Success
Successfully initiated launch of instance (i-0c047c14ce61036ee)

Next Steps

What would you like to do next with this instance, for example "create alarm" or "create backup"

Create billing and free tier usage alerts

To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.

Create billing alerts

Connect to your instance

Once your instance is running, log into it from your local computer.

Connect to instance Learn more

Connect an RDS database

Configure the connection between an EC2 instance and a database to allow traffic flow between them.

Connect an RDS database Create a new RDS database Learn more

Create EBS snapshot policy

Create a policy that automates the creation, retention, and deletion of EBS snapshots.

Create EBS snapshot policy

Manage detailed monitoring

Enable or disable detailed monitoring for the instance. If you enable detailed monitoring, the Amazon EC2 console displays monitoring graphs with a 1-minute period.

Manage CloudWatch alarms

Create Load Balancer

Create a application, network gateway or classic Elastic Load Balancer.

Create Load Balancer

Create AWS budget

AWS Budgets allows you to create budgets, forecast spend, and take action on your costs and usage from a single location.

Manage CloudWatch alarms

CloudShell Feedback

VPC Creation and Web Deployment

The screenshot shows the AWS EC2 'Launch an instance' wizard. The process is at step 1: Select AMI. The configuration is as follows:

- Name and tags:** myvpc004
- Application and OS Images (Amazon Machine Image):** Ubuntu Server 24.04 LTS (HVM), SSD Volume Type
- Virtual server type (instance type):** t2.micro
- Storage (volumes):** 1 volume(s) - 8 GiB
- Network settings:** Network: vpc-055ab5babe60e07a, Subnet: No preference (Default subnet in any availability zone), Auto-assign public IP: Enable, Firewall (security group): New security group
- Key pair (login):** bot1

The right side of the screen displays a summary of the instance configuration.

VPC Creation and Web Deployment

The screenshot shows the AWS EC2 'Launch an instance' wizard. On the left, under 'Network settings', a VPC is selected ('vpc-05bee354915e6f9a7 (myvpc01) 10.0.0.0/16'). A subnet ('subnet-021276a2027b291b3 my-private-subnet') is chosen. Under 'Auto-assign public IP', 'Disable' is selected. In the 'Firewall (security groups)' section, a new security group is being created ('Create security group'), named 'launch-wizard-11'. The 'Description' field contains 'launch-wizard-11 created 2025-03-22T10:08:11.374Z'. Under 'Inbound Security Group Rules', two rules are listed: one for SSH (TCP 22) from Anywhere and another for MySQL/Aurora (TCP 3306) from Custom (0.0.0.0/0). A warning message at the bottom notes that rules with source 0.0.0.0/0 allow all IP addresses. On the right, the 'Summary' panel shows 1 instance, the AMI (Amazon Linux 2023 AMI 2023.6.2...), the instance type (t2.micro), and storage (1 volume(s) - 8 GiB). Buttons for 'Launch instance' and 'Preview code' are present.

VPC Creation and Web Deployment

The screenshot shows the AWS EC2 Instances Launch page. A green success message at the top states: "Successfully initiated launch of instance (i-0e0b72bc0aab1b747)". Below this, a "Launch log" section is shown. Under "Next Steps", there are eight cards:

- Create billing and free tier usage alerts**: To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds. Includes a "Create billing alerts" button.
- Connect to your instance**: Once your instance is running, log into it from your local computer. Includes a "Connect to instance" button and a "Learn more" link.
- Connect an RDS database**: Configure the connection between an EC2 instance and a database to allow traffic flow between them. Includes a "Connect an RDS database" button and a "Learn more" link.
- Create EBS snapshot policy**: Create a policy that automates the creation, retention, and deletion of EBS snapshots. Includes a "Create EBS snapshot policy" button.
- Manage detailed monitoring**: Enable or disable detailed monitoring for the instance. If you enable detailed monitoring, the Amazon EC2 console displays monitoring graphs with a 1-minute period.
- Create Load Balancer**: Create a application, network gateway or classic Elastic Load Balancer. Includes a "Create Load Balancer" button.
- Create AWS budget**: AWS Budgets allows you to create budgets, forecast spend, and take action on your costs and usage from a single location.
- Manage CloudWatch alarms**: Create or update Amazon CloudWatch alarms for the instance. Includes a "Manage CloudWatch alarms" button.

Below the "Next Steps" section, the main EC2 Instances page is displayed. It shows a table of instances with columns: Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Availability Zone. The instance myvpc003 is selected, showing its details page below.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
myvpc002	i-09552cecb9fc740b3	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1b
myvpc001	i-049be15186dddf983	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a
<input checked="" type="checkbox"/> myvpc003	i-04b434c6ce1a45aa0	Running	t2.micro	Initializing	View alarms +	us-east-1a
myvpc004	i-0e1d851ef1799d3c4	Running	t2.micro	Initializing	View alarms +	us-east-1b

Instance Details for i-04b434c6ce1a45aa0 (myvpc003):

- Details** tab selected.
- Instance summary**:
 - Instance ID: i-04b434c6ce1a45aa0
 - IPv6 address: -
 - Hostname type: IP name: ip-10-0-0-235.ec2.internal
 - Public IPv4 address: 54.235.0.197 | open address
 - Instance state: Running
 - Private IP DNS name (IPv4 only): ip-10-0-0-235.ec2.internal
 - Private IPv4 addresses: 10.0.0.235
 - Public IPv4 DNS: -

VPC Creation and Web Deployment

System information as of Sat Mar 22 10:15:26 UTC 2025

```
* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/pro

System load: 0.21      Processes: 108
Usage of /: 25.0% of 6.71GB  Users logged in: 0
Memory usage: 228      IPv4 address for enX0: 10.0.0.235
Swap usage: 0%
```

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See <https://ubuntu.com/esm> or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/**/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-10-0-0-235:~\$

i-04b434c6ce1a45aa0 (myvpc003)

PublicIPs: 54.235.0.197 PrivateIPs: 10.0.0.235

```
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [656 B]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Packages [39.1 kB]
Get:31 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main Translation-en [8676 B]
Get:32 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7076 B]
Get:33 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [272 B]
Get:34 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [26.4 kB]
Get:35 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [16.3 kB]
Get:36 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [21.3 kB]
Get:37 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [1304 B]
Get:38 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [212 B]
Get:39 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]
Get:40 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Get:41 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:42 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [130 kB]
Get:43 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [9024 B]
Get:44 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [6936 B]
Get:45 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [820 kB]
Get:46 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [177 kB]
Get:47 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [51.9 kB]
Get:48 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [17.0 kB]
Get:49 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [726 kB]
Get:50 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [146 kB]
Get:51 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [208 B]
Get:52 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 c-n-f Metadata [432 B]
Get:53 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [26.2 kB]
Get:54 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [4892 B]
Get:55 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Get:56 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [448 B]
Fetched 32.8 MB in 7s (4629 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
23 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

i-04b434c6ce1a45aa0 (myvpc003)

PublicIPs: 54.235.0.197 PrivateIPs: 10.0.0.235

```
i-04b434c6ce1a45aa0 (myvpc003)
```

VPC Creation and Web Deployment

The screenshot shows two consecutive screenshots of a GitHub interface.

Screenshot 1: Create a new repository

This page allows users to create a new GitHub repository. The repository name is "tankbund". The owner is set to "prasadmkt". The repository is marked as "Public". Other options like README file, .gitignore template, and license are present but not selected.

Screenshot 2: GitHub repository details

This page shows the "tankbund" repository details. It includes sections for GitHub Copilot setup, adding collaborators, quick setup (with command-line instructions), and pushing from the command line.

```
echo "# tankbund" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin git@github.com:prasadmkt/tankbund.git
git push -u origin main
```

VPC Creation and Web Deployment

The screenshot shows two consecutive screenshots of a GitHub repository named "tankbund".

Screenshot 1: The user is in the "Code" tab of the "tankbund" repository. A modal window titled "Commit changes" is open, prompting the user to "Add files via upload" and "Add an optional extended description..". Below the modal, there is a large area with a placeholder text "Drag additional files here to add them to your repository" and a link "Or choose your files".

Screenshot 2: The user has uploaded a file named "portfolio using Bootstrap.html" and committed it. The commit message is "Add files via upload". The commit was made by "prasadkm" at 1e79542 now with 1 Commit. The repository page shows the uploaded file and the README section.

Repository Details:

- Name:** tankbund
- Owner:** prasadkm (Public)
- Branches:** main (1 Branch)
- Tags:** 0 Tags
- Commits:** 1 Commit (by prasadkm at 1e79542 now)
- File:** portfolio using Bootstrap.html (Add files via upload)
- README:** Add a README (Help people interested in this repository understand your project by adding a README.)
- About:** No description, website, or topics provided.
- Activity:** 0 stars, 0 forks, 1 watching
- Releases:** No releases published. Create a new release.
- Packages:** No packages published. Publish your first package.

© 2025 GitHub, Inc. Terms Privacy Security Status Docs Contact Manage cookies Do not share my personal information

VPC Creation and Web Deployment

```
root@ip-10-0-0-235:/home/ubuntu# apt-get install docker.io
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
bridge-utils containerd dns-root-data dnsmasq-base pigz runc ubuntu-fan
Suggested packages:
liftdown aufs-tools cgroupfs-mount | cgroup-lite debootstrap docker-buildx docker-compose-v2 docker-doc rinse zfs-fuse | zfsutils
The following NEW packages will be installed:
bridge-utils containerd dns-root-data dnsmasq-base docker.io pigz runc ubuntu-fan
0 upgraded, 8 newly installed, 0 to remove and 1 not upgraded.
Need to get 78.6 MB of archives.
After this operation, 302 MB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 pigz amd64 2.8-1 [65.6 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 bridge-utils amd64 1.7.1~ubuntu2 [33.9 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 runc amd64 1.1.12~ubuntu3.1 [8599 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 containerd amd64 1.7.24~ubuntu1-24.04.1 [37.0 MB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 dns-root-data all 2024071801-ubuntu0.24.04.1 [5918 B]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 dnsmasq-base amd64 2.90-2build2 [375 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 docker.io amd64 26.1.3-0ubuntu1-24.04.1 [32.4 MB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 ubuntu-fan all 0.12.16 [35.2 kB]
Fetched 78.6 MB in 1s (82.9 MB/s)
Preconfiguring packages ...
Selecting previously unselected package pigz.
(Reading database ... 854)

```

i-04b434c6ce1a45aa0 (myvpc003)

PublicIPs: 54.235.0.197 PrivateIPs: 10.0.0.235

```
Info: Adding group 'docker' (GID 113) ...
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /usr/lib/systemd/system/docker.service.
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /usr/lib/systemd/system/docker.socket.
Processing triggers for dbus (1.14.10-4ubuntu4.1) ...
Processing triggers for man-db (2.12.0-4build2) ...
Scanning processes...
Scanning candidates...
Scanning linux images...

Running kernel seems to be up-to-date.

Restarting services...

Service restarts being deferred:
/etc/needrestart/restart.d/dbus.service
systemctl restart networkd-dispatcher.service
systemctl restart systemd-logind.service
systemctl restart unattended-upgrades.service

No containers need to be restarted.

User sessions running outdated binaries:
ubuntu @ session #2: sshd[1035]
ubuntu @ user manager service: systemd[1382]
root@ip-10-0-0-235:/home/ubuntu# docker login -u prasad924
Password:
Error response from daemon: Get "https://registry-1.docker.io/v2/": unauthorized: incorrect username or password
root@ip-10-0-0-235:/home/ubuntu# docker login -u prasad924
Password:
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
root@ip-10-0-0-235:/home/ubuntu#
```

i-04b434c6ce1a45aa0 (myvpc003)

PublicIPs: 54.235.0.197 PrivateIPs: 10.0.0.235

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

VPC Creation and Web Deployment

```
Running kernel seems to be up-to-date.  
Restarting services...  
Service restarts being deferred:  
/etc/needrestart/restart.d/dbus.service  
systemctl restart networkd-dispatcher.service  
systemctl restart systemd-logind.service  
systemctl restart unattended-upgrades.service  
No containers need to be restarted.  
User sessions running outdated binaries:  
ubuntu @ session #2: sshd[1035]  
ubuntu @ user manager service: systemd[1382]  
root@ip-10-0-0-235:/home/ubuntu$ docker login -u prasad924  
Password:  
Error response from daemon: Get "https://registry-1.docker.io/v2/": unauthorized: incorrect username or password  
root@ip-10-0-0-235:/home/ubuntu$ docker login -u prasad924  
Password:  
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.  
Configure a credential helper to remove this warning. See  
https://docs.docker.com/engine/reference/commandline/login/#credentials-store  
Login Succeeded  
root@ip-10-0-0-235:/home/ubuntu$ nano Dockerfile  
root@ip-10-0-0-235:/home/ubuntu$ git clone "https://github.com/prasadkmit/tankbund"  
Cloning into 'tankbund'...  
remote: Enumerating objects: 3, done.  
remote: Counting objects: 100% (3/3), done.  
remote: Compressing objects: 100% (3/3), done.  
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)  
Receiving objects: 100% (3/3), done.  
root@ip-10-0-0-235:/home/ubuntu$ cd tankbund  
root@ip-10-0-0-235:/home/ubuntu/tankbund# nano Dockerfile
```

i-04b434c6ce1a45aa0 (myvpc003)

PublicIPs: 54.235.0.197 PrivateIPs: 10.0.0.235

```
GNU nano 7.2 Dockerfile *  
FROM nginx:alpine  
COPY . /usr/share/nginx/html
```

i-04b434c6ce1a45aa0 (myvpc003)

PublicIPs: 54.235.0.197 PrivateIPs: 10.0.0.235

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

VPC Creation and Web Deployment

```
root@ip-10-0-0-235:/home/ubuntu/tankbund# docker build -t mybuild .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
Install the buildx component to build images with BuildKit:
https://docs.docker.com/go/buildx/
Sending build context to Docker daemon 68.61kB
Step 1/2 : FROM nginx:alpine
alpine: Pulling from library/nginx
f18232174bc9: Pull complete
ccc35e35d420: Pull complete
43f2ec460bd1: Pull complete
984583bcf083: Pull complete
8d27c072a58f: Pull complete
ab3286a73463: Pull complete
6d79cc6084dd: Pull complete
0c7e4c092ab7: Pull complete
Digest: sha256:4ff102c5d78d254a6f0da062b3cf39eaf07f01eec0927fd21e219d0af8bc0591
Status: Downloaded newer image for nginx:alpine
--> 1ff4bb4faebc
Step 2/2 : COPY ./usr/share/nginx/html
--> f126ab47fe99
Successfully built f126ab47fe99
Successfully tagged mybuild:latest
root@ip-10-0-0-235:/home/ubuntu/tankbund#
```

i-04b434c6ce1a45aa0 (myvc003)

PublicIPs: 54.235.0.197 PrivateIPs: 10.0.0.235

```
root@ip-10-0-0-235:/home/ubuntu/tankbund# docker build -t mybuild .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
Install the buildx component to build images with BuildKit:
https://docs.docker.com/go/buildx/
Sending build context to Docker daemon 68.61kB
Step 1/2 : FROM nginx:alpine
alpine: Pulling from library/nginx
f18232174bc9: Pull complete
ccc35e35d420: Pull complete
43f2ec460bd1: Pull complete
984583bcf083: Pull complete
8d27c072a58f: Pull complete
ab3286a73463: Pull complete
6d79cc6084dd: Pull complete
0c7e4c092ab7: Pull complete
Digest: sha256:4ff102c5d78d254a6f0da062b3cf39eaf07f01eec0927fd21e219d0af8bc0591
Status: Downloaded newer image for nginx:alpine
--> 1ff4bb4faebc
Step 2/2 : COPY ./usr/share/nginx/html
--> f126ab47fe99
Successfully built f126ab47fe99
Successfully tagged mybuild:latest
root@ip-10-0-0-235:/home/ubuntu/tankbund# sudo docker run -d -p 80:80 mybuild
5506f5350b7d937d94a9cf1c58bc3f856608ea5918752b568c5eb931f4c4985
root@ip-10-0-0-235:/home/ubuntu/tankbund#
```

i-04b434c6ce1a45aa0 (myvc003)

PublicIPs: 54.235.0.197 PrivateIPs: 10.0.0.235



VPC Creation and Web Deployment

The screenshot shows a web browser window with the URL 54.235.0.197. The page has a brown header bar with the name "REDDY LEELA VENKATA KRISHNA PRASAD". Below the header are four sections: "About", "Skills", "Projects", and "Achievements", each with a list of bullet points.

About
Skilled in developing optimized code for enhanced performance and scalability. Possesses strong problem-solving abilities and thrives as a collaborative team player, committed to delivering high-quality results.

Skills
• **Languages:** Java, C++, SQL, C, Python
• **Technologies & Frameworks:** MERN, GitHub, Spring
• **Soft skills:** Communication, Leadership

Projects
• [Image Steganography](#) | Python, Bootstrap, Tkinter
• [Speech Emotion Recognition on Calls](#) | Python, Flask, HTML, CSS, JavaScript, Neural Networks

Achievements
• Improved Google Maps algorithm performance by 12%.
• Contributed to open-source projects on GitHub.