

## Lab 2

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### Step g)

The screenshot displays the AWS VPC dashboard. The top navigation bar includes the AWS logo, a search bar, and the user's account information (N. Virginia, Rahul-RMK061000). The left sidebar shows the 'VPC dashboard' with a search bar and a list of services (S3, RDS, EC2, VPC). The main content area is titled 'VPC dashboard' and shows details for a VPC named 'my-first-vpc'.

**VPC dashboard** X

EC2 Global View

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
- Endpoints
- Endpoint services
- NAT gateways
- Peering connections

▼ Security

**Details** Info

VPC ID vpc-0b6b4ef002cd62e93	State Available	DNS hostnames Disabled	DNS resolution Enabled
Tenancy Default	DHCP option set <a href="#">dopt-03dded82ff5b6b396</a>	Main route table <a href="#">rtb-0e7d4b70a5ac7c01b</a>	Main network ACL <a href="#">acl-0af0f9b65c3d57acc</a>
Default VPC No	IPv4 CIDR 10.0.0.0/16	IPv6 pool -	IPv6 CIDR (Network border group) -
Network Address Usage metrics Disabled	Route 53 Resolver DNS Firewall rule groups -	Owner ID 381491903900	

**Resource map** Info

**Resource map** Info

**VPC** [Show details](#)

Your AWS virtual network

my-first-vpc

**Subnets (0)**

Subnets within this VPC

**Route tables (1)**

Route network traffic to resources

rtb-0e7d4b70a5ac7c01b

**Network connections (1)**

Connections to other networks

my-first-igw

Step n)

The screenshot displays the AWS VPC dashboard. The top navigation bar includes the AWS logo, a search bar, and service icons for S3, RDS, EC2, and VPC. The left sidebar shows the 'VPC dashboard' with a search bar and a list of network-related services. The main content area is titled 'Your VPCs (1/2)' and contains a table of VPCs. Below the table, the 'Resource map' for the selected VPC 'my-first-vpc' is shown, detailing its subnets, route tables, and network connections.

**Table: Your VPCs (1/2)**

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP option set	Main route table	Main
-	vpc-0f9aad68579440625	Available	172.31.0.0/16	-	dopt-03dded82ff5b6b396	rtb-063d218427f7546d2	acl-0
my-first-vpc	vpc-0b6b4ef002cd62e93	Available	10.0.0.0/16	-	dopt-03dded82ff5b6b396	rtb-0e7d4b70a5ac7c01b	acl-0

**Resource map for vpc-0b6b4ef002cd62e93 / my-first-vpc**

- VPC** (Show details): Your AWS virtual network. my-first-vpc.
- Subnets (4)** (Subnets within this VPC):
  - us-east-1a**: my-public-subnet-1, my-private-subnet-1.
  - us-east-1b**: my-public-subnet2, my-private-subnet-2.
- Route tables (1)** (Route network traffic to resources): rtb-0e7d4b70a5ac7c01b.
- Network connections (1)** (Connections to other networks): my-first-igw.

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Step s)

The screenshot displays the AWS VPC dashboard. At the top, a green notification bar states: "Route table rtb-005b1af46b05cf591 | my-private-route-table-2 was created successfully." Below this, the "Your VPCs (1/2)" section shows a table with two VPCs:

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP option set	Main route table	Main
-	<a href="#">vpc-0f9aad68579440625</a>	Available	172.31.0.0/16	-	<a href="#">dopt-03dded82ff5b6b396</a>	<a href="#">rtb-063d218427f7546d2</a>	<a href="#">acl-Q</a>
my-first-vpc	<a href="#">vpc-0b6b4ef002cd62e93</a>	Available	10.0.0.0/16	-	<a href="#">dopt-03dded82ff5b6b396</a>	<a href="#">rtb-0e7d4b70a5ac7c01b</a>	<a href="#">acl-Q</a>

The "my-first-vpc" section is expanded, showing a "Resource map" with the following components:

- VPC** (Show details): Your AWS virtual network. Includes "my-first-vpc".
- Subnets (4)** (Subnets within this VPC):
  - us-east-1a**: my-public-subnet-1, my-private-subnet-1
  - us-east-1b**: my-public-subnet2, my-private-subnet-2
- Route tables (3)** (Route network traffic to resources): my-private-route-table-1, my-private-route-table-2, rtb-0e7d4b70a5ac7c01b.
- Network connections (1)** (Connections to other networks): my-first-igw.

The resource map shows connections between subnets and route tables. Specifically, my-public-subnet-1 and my-private-subnet-1 are connected to my-private-route-table-1. my-public-subnet2 and my-private-subnet-2 are connected to my-private-route-table-2. Both my-private-route-table-1 and my-private-route-table-2 are connected to rtb-0e7d4b70a5ac7c01b. Finally, rtb-0e7d4b70a5ac7c01b is connected to my-first-igw.

At the bottom of the dashboard, there is a "CloudShell" button and a "Feedback" link. The footer includes the copyright notice "© 2024, Amazon Web Services, Inc. or its affiliates." and links for "Privacy", "Terms", and "Cookie preferences".

Step y)

AWS

Services

Search

[Alt+S]

S3

RDS

EC2

VPC

VPC dashboard

EC2 Global View

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

Endpoints

Endpoint services

NAT gateways

Peering connections

Security

Network ACLs

Security groups

DNS firewall

Rule groups

Domain lists

Your VPCs (1/2)

Info

Last updated 5 minutes ago

Actions

Create VPC

Search

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP option set	Main route table	Main
-	<a href="#">vpc-0f9aad68579440625</a>	Available	172.31.0.0/16	-	<a href="#">dopt-03dded82ff5b6b396</a>	<a href="#">rtb-063d218427f7546d2</a>	<a href="#">acl-0</a>
<input checked="" type="checkbox"/> my-first-vpc	<a href="#">vpc-0b6b4ef002cd62e93</a>	Available	10.0.0.0/16	-	<a href="#">dopt-03dded82ff5b6b396</a>	<a href="#">rtb-0e7d4b70a5ac7c01b</a>	<a href="#">acl-0</a>

vpc-0b6b4ef002cd62e93 / my-first-vpc

Details

Resource map

CIDRs

Flow logs

Tags

Integrations

Resource map

Info

VPC

Show details

Your AWS virtual network

my-first-vpc

Subnets (4)

Subnets within this VPC

us-east-1a

my-public-subnet-1

my-private-subnet-1

us-east-1b

my-public-subnet2

my-private-subnet-2

Route tables (3)

Route network traffic to resources

my-private-route-table-1

my-private-route-table-2

rtb-0e7d4b70a5ac7c01b

Network connections (1)

Connections to other networks

my-first-igw

CloudShell

Feedback

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Privacy

Terms

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Step cc)

Services

Search

[Alt+S]

S3

RDS

EC2

VPC

VPC dashboard

EC2 Global View

Filter by VPC

Virtual private cloud

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

Network ACLs

Security groups

DNS firewall

Rule groups

Domain lists

Updated routes for rtb-005b1af46b05cf591 / my-private-route-table-2 successfully

Details

Your VPCs (1/2)

Info

Last updated 14 minutes ago

Actions

Create VPC

Search

	Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP option set	Main route table	Main
<input type="checkbox"/>	-	<a href="#">vpc-0f9aad68579440625</a>	Available	172.31.0.0/16	-	<a href="#">dopt-03dded82ff5b6b396</a>	<a href="#">rtb-063d218427f7546d2</a>	<a href="#">acl-0</a>
<input checked="" type="checkbox"/>	my-first-vpc	<a href="#">vpc-0b6b4ef002cd62e93</a>	Available	10.0.0.0/16	-	<a href="#">dopt-03dded82ff5b6b396</a>	<a href="#">rtb-0e7d4b70a5ac7c01b</a>	<a href="#">acl-0</a>

Details

Resource map

Links

Flow logs

Tags

Integrations

Resource map

Info

VPC

Show details

Your AWS virtual network

my-first-vpc

Subnets (4)

Subnets within this VPC

us-east-1a

my-public-subnet-1

my-private-subnet-1

us-east-1b

my-public-subnet2

my-private-subnet-2

Route tables (3)

Route network traffic to resources

my-private-route-table-1

my-private-route-table-2

rtb-0e7d4b70a5ac7c01b

Network connections (3)

Connections to other networks

my-first-igw

my-nat-gateway-2

my-nat-gateway

CloudShell

Feedback

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