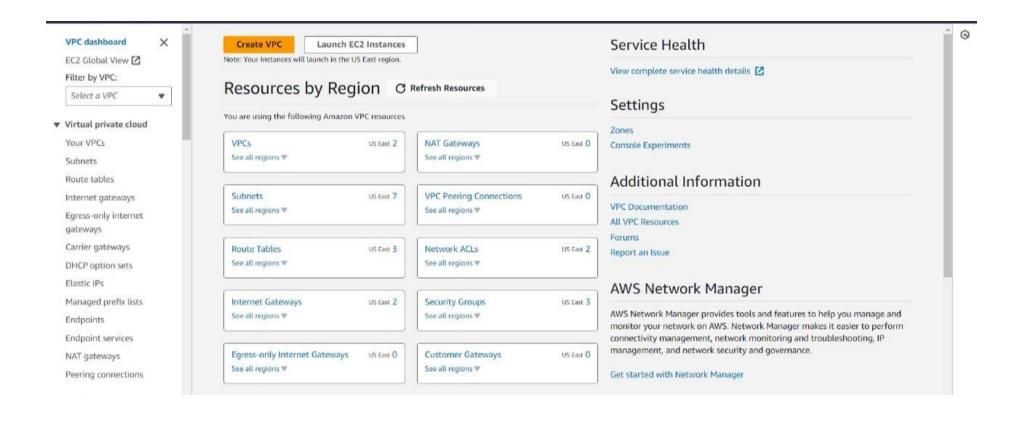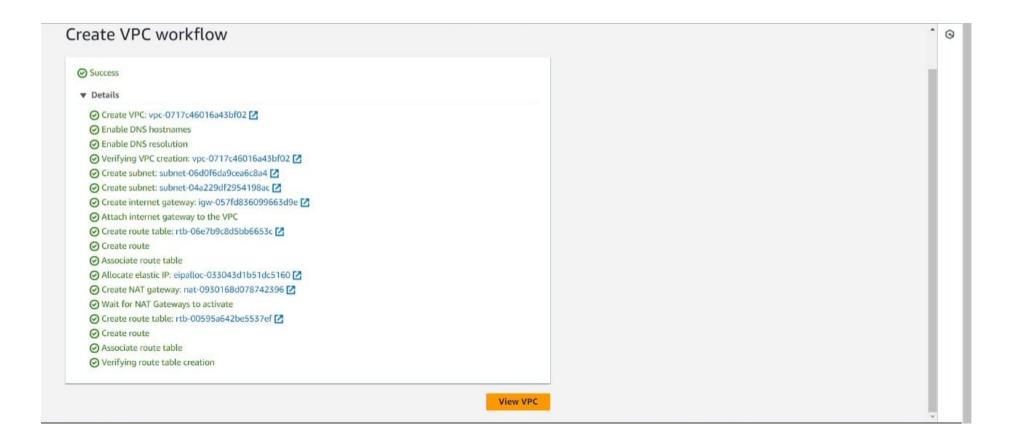# TONTADARYA COLLEGE OF ENGINEERING
GADAG – 582102

Project For AWS Cloud Practitioner Course

Title: Build your VPC and Launch a Web Server

Submitted By

Sushma.M.H

VPC dashboard ✕

EC2 Global View 🗗

Filter by VPC:

Select a 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

Create VPC **Launch EC2 Instances**

Note: Your Instances will launch in the US East region.

Resources by Region ↻ **Refresh Resources**

You are using the following Amazon VPC resources

| VPCs | US East 2 | NAT Gateways | US East 0 |
| See all regions ▼ | | See all regions ▼ | |

| Subnets | US East 7 | VPC Peering Connections | US East 0 |
| See all regions ▼ | | See all regions ▼ | |

| Route Tables | US East 3 | Network ACLs | US East 2 |
| See all regions ▼ | | See all regions ▼ | |

| Internet Gateways | US East 2 | Security Groups | US East 3 |
| See all regions ▼ | | See all regions ▼ | |

| Egress-only Internet Gateways | US East 0 | Customer Gateways | US East 0 |
| See all regions ▼ | | See all regions ▼ | |

Service Health

View complete service health details 🗗

Settings

Zones

Console Experiments

Additional Information

VPC Documentation

All VPC Resources

Forums

Report an Issue

AWS Network Manager

AWS Network Manager provides tools and features to help you manage and monitor your network on AWS. Network Manager makes it easier to perform connectivity management, network monitoring and troubleshooting, IP management, and network security and governance.

Get started with Network Manager

Create VPC workflow

⊘ Success

▼ Details

⊘ Create VPC: vpc-0717c46016a43bf02 🔗
⊘ Enable DNS hostnames
⊘ Enable DNS resolution
⊘ Verifying VPC creation: vpc-0717c46016a43bf02 🔗
⊘ Create subnet: subnet-06d0f6da9cea6c8a4 🔗
⊘ Create subnet: subnet-04a229df2954198ac 🔗
⊘ Create internet gateway: igw-057fd836099663d9e 🔗
⊘ Attach internet gateway to the VPC
⊘ Create route table: rtb-06e7b9c8d5bb6653c 🔗
⊘ Create route
⊘ Associate route table
⊘ Allocate elastic IP: eipalloc-033043d1b51dc5160 🔗
⊘ Create NAT gateway: nat-0930168d078742396 🔗
⊘ Wait for NAT Gateways to activate
⊘ Create route table: rtb-00595a642be5537ef 🔗
⊘ Create route
⊘ Associate route table
⊘ Verifying route table creation

View VPC

VPC dashboard ✕

EC2 Global View ⬈

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▼ **Security**

Network ACLs

Route tables (1/6) Info   ⟳ | Actions ▼ | **Create route table**

Q Find resources by attribute or tag   ‹ 1 › ⚙

▬	Name	▽	Route table ID	▽	Explicit subnet associati...	Edge associations	Main ▽	VPC
☐	–		rtb-01c322d0cf8bf2992		–	–	Yes	vpc-07b73670f84b56f4
☐	Work Public Route Table		rtb-02db09e68d9f254c6		subnet-0ac0c53e16773e...	–	No	vpc-07b73670f84b56f4
☐	–		rtb-03331a078d9afc781		–	–	Yes	vpc-0717c46016a43bf0
☐	–		rtb-075957cfbfee41bde		–	–	Yes	vpc-0ec63051ba4456aC
☑	lab-rtb-private1-us-east-1a		rtb-00595a642be5537ef		subnet-04a229df295419...	–	No	vpc-0717c46016a43bf0
☐	lab-rtb-public		rtb-06e7b9c8d5bb6653c		subnet-06d0f6da9cea6c8...	–	No	vpc-0717c46016a43bf0

=

⬒ ⬓ ▣

rtb-00595a642be5537ef / lab-rtb-private1-us-east-1a

Details	**Routes**	Subnet associations	Edge associations	Route propagation	Tags

Routes (2)   Both ▼   **Edit routes**

Q Filter routes   ‹ 1 › ⚙

Destination	▽	Target	▽	Status	▽	Propagated	▽
0.0.0.0/0		nat-0930168d078742396		⊘ Active		No	
10.0.0.0/16		local		⊘ Active		No	

EC2 Global View ↗
Filter by VPC:

Select a VPC ▼

▼ Virtual private cloud

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▼ Security

⊘ You have successfully updated subnet associations for rtb-00595a642be5537ef / lab-rtb-private1-us-east-1a. ✕

Route tables (6) Info   [C] [Actions ▼] [Create route table]

🔍 Find resources by attribute or tag   ⟨ 1 ⟩ ⚙

	Name	▽	Route table ID	▽	Explicit subnet associati...	Edge associations	Main	▽	VPC
☐	–		rtb-01c322d0cf8bf2992		–	–	Yes		vpc-07b73670f84b56f4
☐	Work Public Route Table		rtb-02db09e68d9f254c6		subnet-0ac0c53e16773e...	–	No		vpc-07b73670f84b56f4
☐	–		rtb-03331a078d9afc781		–	–	Yes		vpc-0717c46016a43bf0
☐	–		rtb-075957cfbfee41bde		–	–	Yes		vpc-0ec63051ba4456a0
☐	lab-rtb-private1-us-east-1a		rtb-00595a642be5537ef		2 subnets	–	No		vpc-0717c46016a43bf0

Select a route table

VPC dashboard ✕

EC2 Global View ⧉

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▼ Security

Network ACLs

Route tables (1/6) Info

[C] [Actions ▼] [**Create route table**]

🔍 Find resources by attribute or tag

< 1 > ⚙

	Name	Route table ID	Explicit subnet associati...	Edge associations	Main	VPC
☐	Work Public Route Table	rtb-02db09e68d9f254c6	subnet-0ac0c53e16773e...	–	No	vpc-07b73670f84b56f4
☐	–	rtb-03331a078d9afc781	–	–	Yes	vpc-0717c46016a43bf0
☐	–	rtb-075957cfbfee41bde	–	–	Yes	vpc-0ec63051ba4456aC
☐	lab-rtb-private1-us-east-1a	rtb-00595a642be5537ef	2 subnets	–	No	vpc-0717c46016a43bf0
☑	lab-rtb-public	rtb-06e7b9c8d5bb6653c	subnet-06d0f6da9cea6c8...	–	No	vpc-0717c46016a43bf0

Routes (2)

[Both ▼] [Edit routes]

🔍 Filter routes

< 1 > ⚙

Destination	Target	Status	Propagated
0.0.0.0/0	igw-057fd836099663d9e	⊘ Active	No
10.0.0.0/16	local	⊘ Active	No

VPC dashboard ✕

EC2 Global View ↗

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▼ Security

Route tables Info

Actions ▼   **Create route table**

Q Find resources by attribute or tag

< 1 ... > ⚙

	Name ▽	Route table ID ▽	Explicit subnet associati...	Edge associations	Main ▽	VPC

(Loading route tables

Select a route table

▼ **Virtual private cloud**

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▼ **Security**

Network ACLs

⊘ **Security group (sg-0e88aec30fe9086d0 | Web Security Group) was created successfully** ✕
▶ **Details**

VPC > Security Groups > sg-0e88aec30fe9086d0 - Web Security Group

sg-0e88aec30fe9086d0 - Web Security Group

Actions ▼

Details

Security group name	Security group ID	Description	VPC ID
⧉ Web Security Group	⧉ sg-0e88aec30fe9086d0	⧉ Enable HTTP access	⧉ vpc-0717c46016a43bf02
Owner	**Inbound rules count**	**Outbound rules count**	
⧉ 861078020369	1 Permission entry	1 Permission entry	

Inbound rules   Outbound rules   Tags

Inbound rules (1)

↻   Manage tags   Edit inbound rules

🔍 Search

‹ 1 ›   ⚙

⊘ **Success**
Successfully initiated launch of instance (i-094240da6d07f60c8)

▶ **Launch log**

Next Steps

Q *What would you like to do next with this instance, for example "create alarm" or "create backup"*   ‹ **1** 2 3 4 5 6 ›

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 ☑

Instances (1/2) Info

Connect   **Instance state ▼**   **Actions ▼**   **Launch instances ▼**

Q Find Instance by attribute or tag (case-sensitive)

< 1 >

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
☐	Bastion Host	i-0b7de6e6078189a16	⊘ Running ⊕ ⊖	t2.micro	⊘ 2/2 checks passed	View alarms +	us-east-1a	ec2-3-86-41-197
☑	Web Server 1	i-094240da6d07f60c8	⊘ Running ⊕ ⊖	t2.micro	⊘ 2/2 checks passed	View alarms +	us-east-1b	ec2-34-205-75-2

═

Instance: i-094240da6d07f60c8 (Web Server 1)

Instance ID
🗐 i-094240da6d07f60c8 (Web Server 1)

IPv6 address
–

Hostname type

Public IPv4 address
🗐 34.205.75.240 |open address ↗

Instance state
⊘ Running

Private IP DNS name (IPv4 only)

Private IPv4 addresses
🗐 10.0.2.140

Public IPv4 DNS
🗐 ec2-34-205-75-240.compute-1.amazonaws.com |open address ↗

Meta-Data	Value
InstanceId	I-094240da6d07f60c8
Availability Zone	us-east-1b

Current CPU Load: **1%**