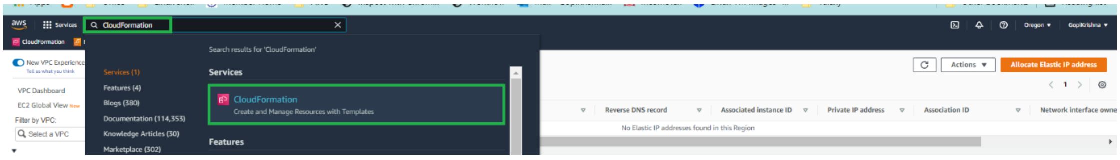
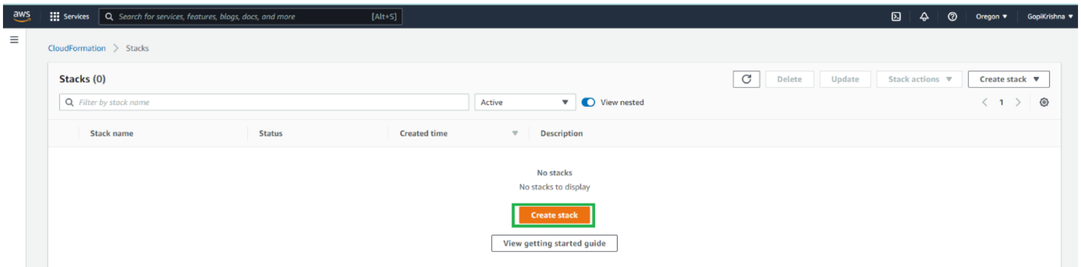
# Infrastructure Setup for Ansible

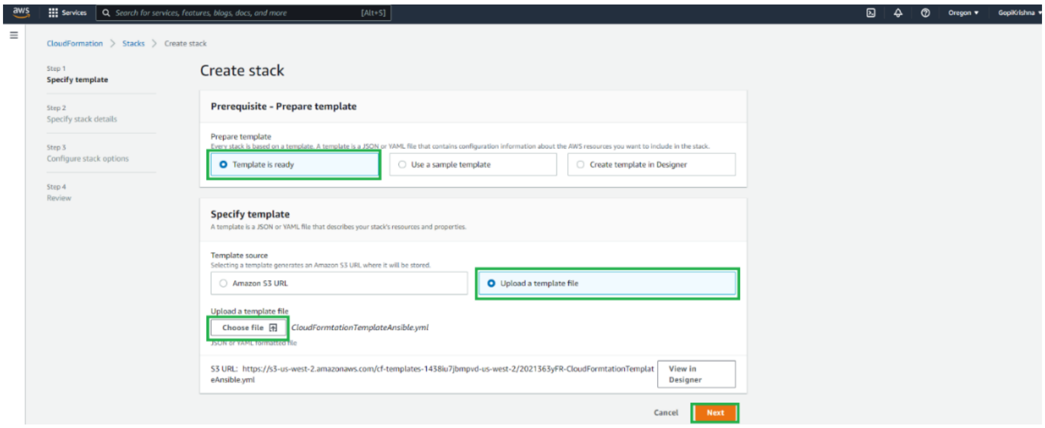
Step1: Select Services and Click on CloudFormation



Step2: Click on Create Stack and Choose the option “Template is ready” and then “Use a Sample file”

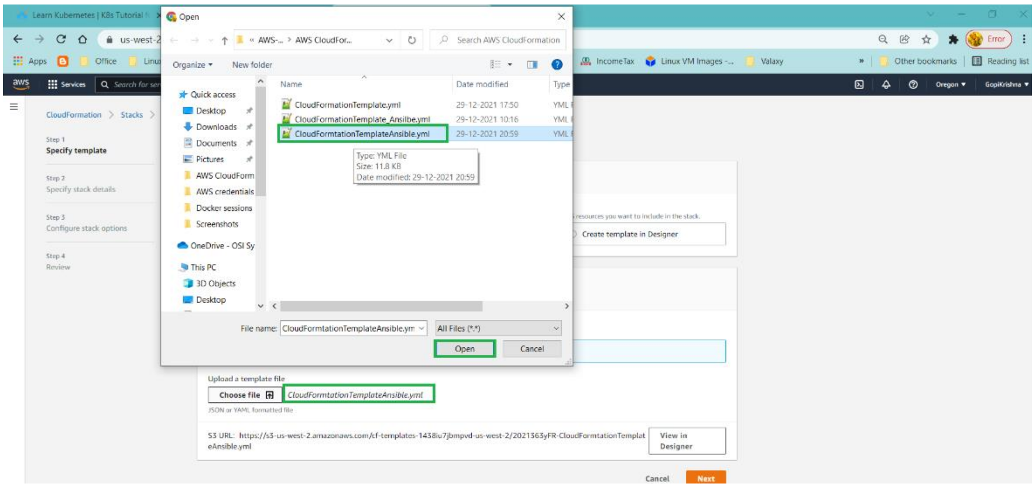


Step2.1: Click on **Choose file**

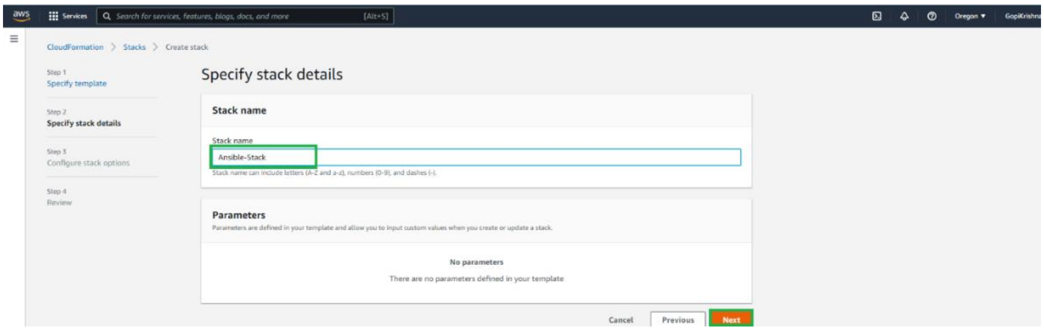

Services
Search for services, features, blogs, docs, and more
[Alt+S]
Oregon
GopiKrishna
CloudFormation > Stacks > Create stack
Step 1
Specify template
Step 2
Specify stack details
Step 3
Configure stack options
Step 4
Review
Create stack
Prerequisite - Prepare template
Prepare template
Every stack is based on a template. A template is a JSON or YAML file that contains configuration information about the AWS resources you want to include in the stack.
● Template is ready
○ Use a sample template
○ Create template in Designer
Specify template
A template is a JSON or YAML file that describes your stack's resources and properties.
Template source
Selecting a template generates an Amazon S3 URL where it will be stored.
○ Amazon S3 URL
● Upload a template file
Upload a template file
Choose file
CloudFormtationTemplateAnsible.yml
JSON or YAML formatted file
S3 URL: https://s3-us-west-2.amazonaws.com/cf-templates-1438iu7jbmpvd-us-west-2/2021363yFR-CloudFormtationTemplateAnsible.yml
View in Designer
Cancel
Next

Step3: Select the **CloudFormationTemplateAnsible.yml** file from the desired location and click on Next

**Note: if any configuration issues are there in the file, it will display the errors when we click on the “Next” button**


Open
AWS-... > AWS CloudFor...
Search AWS CloudFormation
Organize
New folder
Quick access
Desktop
Downloads
Documents
Pictures
AWS CloudForm
AWS credentials
Docker sessions
Screenshots
OneDrive - OSI Sy
This PC
3D Objects
Desktop
Name
Date modified
Type
CloudFormationTemplate.yml
29-12-2021 17:50
CloudFormationTemplate_Ansilbe.yml
29-12-2021 10:16
CloudFormtationTemplateAnsible.yml
29-12-2021 20:59
Type: YML File
Size: 11.8 KB
Date modified: 29-12-2021 20:59
File name: CloudFormtationTemplateAnsible.ym
All Files (*.*)
Open
Cancel
Upload a template file
Choose file
CloudFormtationTemplateAnsible.yml
JSON or YAML formatted file
S3 URL: https://s3-us-west-2.amazonaws.com/cf-templates-1438iu7jbmpvd-us-west-2/2021363yFR-CloudFormtationTemplateAnsible.yml
View in Designer
Cancel
Next

Step4: Specify the Stack name and click on Next



Specify stack details

Stack name

Stack name: Ansible-Stack

Stack name can include letters (A-Z and a-z), numbers (0-9), and dashes (-).

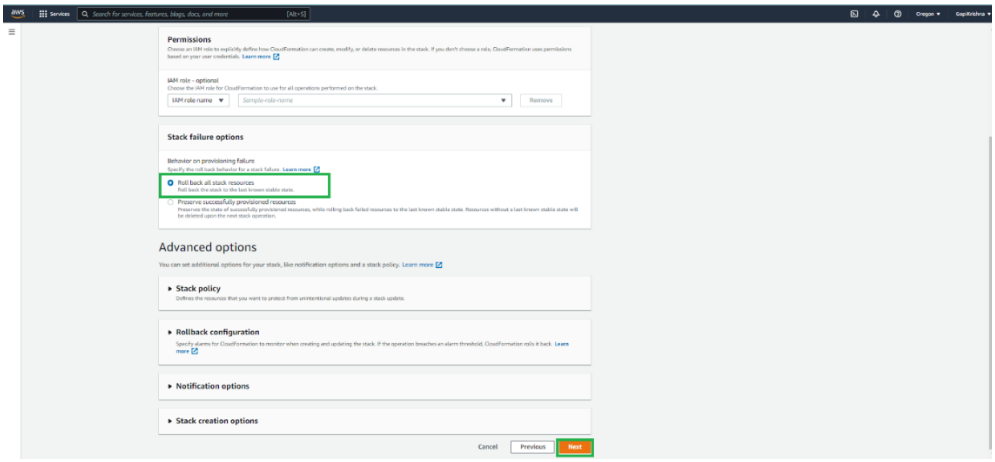
Parameters

Parameters are defined in your template and allow you to input custom values when you create or update a stack.

No parameters

There are no parameters defined in your template

Step5: Rollback all stack resources will be selected by default in case of any failures happen, it will revert to the previous state. And click on Next.



Permissions

Choose an IAM role to explicitly define how CloudFormation can create, modify, or delete resources in the stack. If you don't choose a role, CloudFormation uses permissions based on your user credentials. Learn more

IAM role - optional

Choose the IAM role for CloudFormation to use for all operations performed on the stack.

Stack failure options

Behavior on provisioning failure

Specify the roll back behavior for a stack failure. Learn more

● Roll back all stack resources
Roll back the stack to the last known stable state.

○ Preserve successfully provisioned resources
Preserves the state of successfully provisioned resources, while rolling back failed resources to the last known stable state. Resources without a last known stable state will be deleted upon the next stack operation.

Advanced options

You can set additional options for your stack, like notification options and a stack policy. Learn more

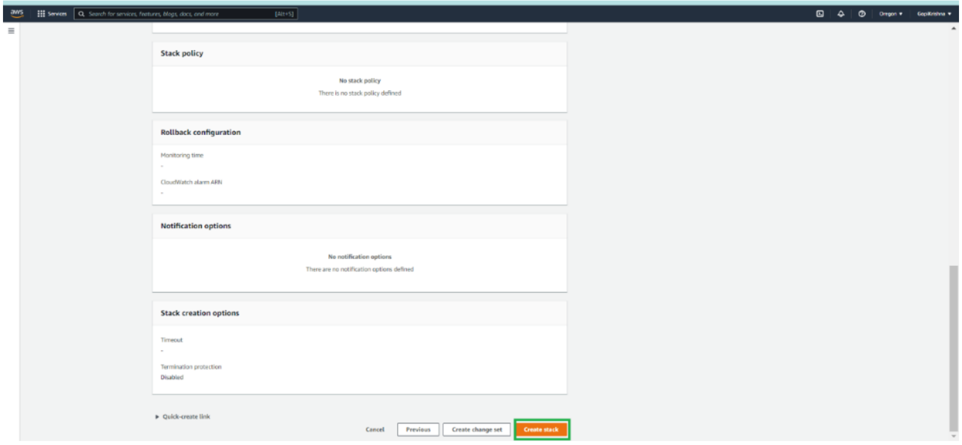
▸ Stack policy
Defines the resources that you want to protect from unintentional updates during a stack update.

▸ Rollback configuration
Specify alarms for CloudFormation to monitor when creating and updating the stack. If the operation breaches an alarm threshold, CloudFormation rolls it back. Learn more

▸ Notification options

▸ Stack creation options

Step6: Click on Create Stack to initiate the infrastructure configuration / setup.



Stack policy

No stack policy

There is no stack policy defined

Rollback configuration

Monitoring time

-

CloudWatch alarm ARN

-

Notification options

No notification options

There are no notification options defined

Stack creation options

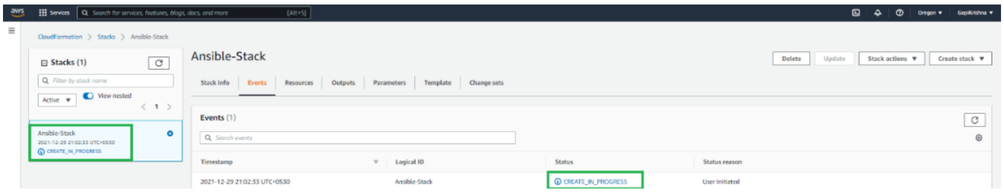
Timeout

-

Termination protection

Disabled

▸ Quick-create link

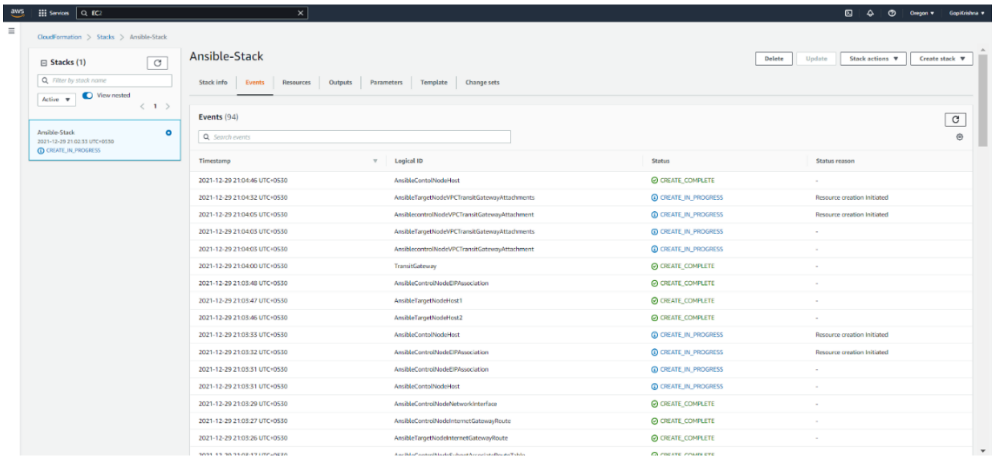


Ansible-Stack
2021-12-29 21:02:33 UTC+0530
CREATE_IN_PROGRESS

Ansible-Stack

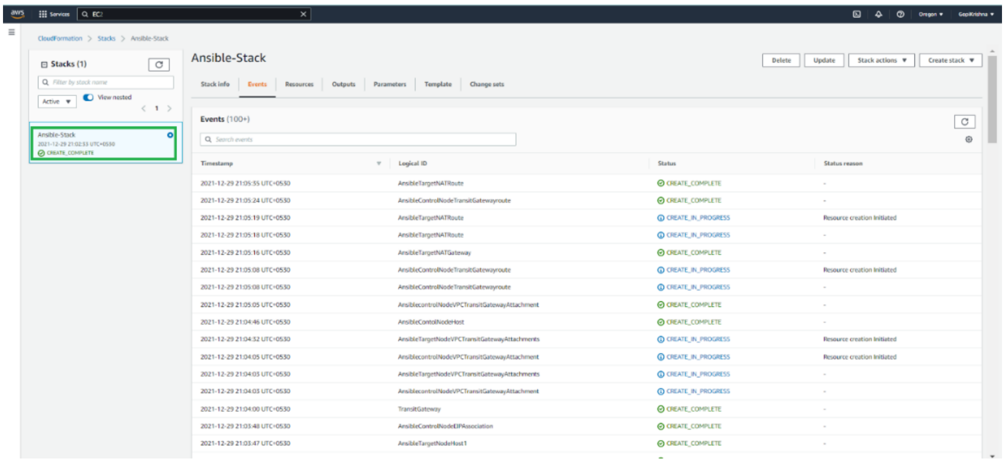
Events (1)

| Timestamp | Logical ID | Status | Status reason |
|---|---|---|---|
| 2021-12-29 21:02:33 UTC+0530 | Ansible-Stack | CREATE_IN_PROGRESS | User Initiated |

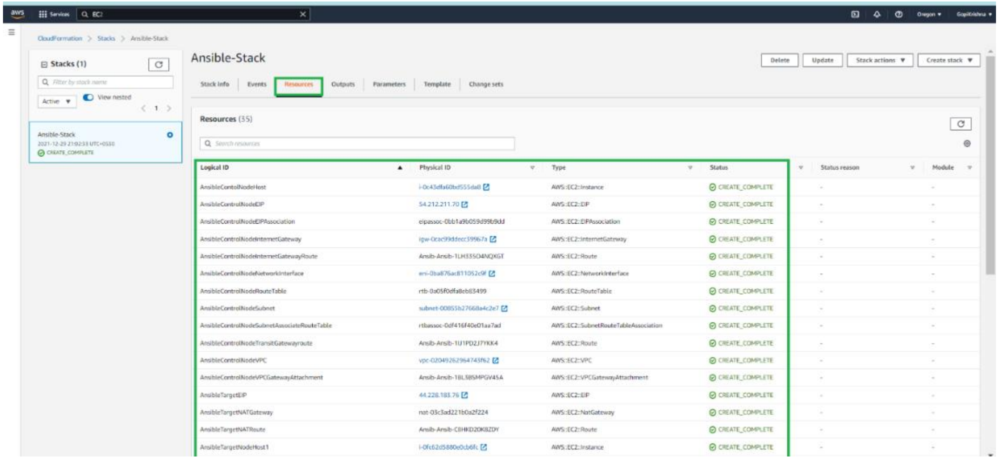


| Timestamp | Logical ID | Status | Status reason |
|---|---|---|---|
| 2021-12-29 21:04:46 UTC+0530 | AnsibleContolNodeHost | CREATE_COMPLETE | - |
| 2021-12-29 21:04:32 UTC+0530 | AnsibleTargetNodeVPCTransitGatewayAttachments | CREATE_IN_PROGRESS | Resource creation Initiated |
| 2021-12-29 21:04:05 UTC+0530 | AnsiblecontrolNodeVPCTransitGatewayAttachment | CREATE_IN_PROGRESS | Resource creation Initiated |
| 2021-12-29 21:04:03 UTC+0530 | AnsibleTargetNodeVPCTransitGatewayAttachments | CREATE_IN_PROGRESS | - |
| 2021-12-29 21:04:03 UTC+0530 | AnsiblecontrolNodeVPCTransitGatewayAttachment | CREATE_IN_PROGRESS | - |
| 2021-12-29 21:04:00 UTC+0530 | TransitGateway | CREATE_COMPLETE | - |
| 2021-12-29 21:03:48 UTC+0530 | AnsibleControlNodeEIPAssociation | CREATE_COMPLETE | - |
| 2021-12-29 21:03:47 UTC+0530 | AnsibleTargetNodeHost1 | CREATE_COMPLETE | - |
| 2021-12-29 21:03:46 UTC+0530 | AnsibleTargetNodeHost2 | CREATE_COMPLETE | - |
| 2021-12-29 21:03:33 UTC+0530 | AnsibleContolNodeHost | CREATE_IN_PROGRESS | Resource creation Initiated |
| 2021-12-29 21:03:32 UTC+0530 | AnsibleControlNodeEIPAssociation | CREATE_IN_PROGRESS | Resource creation Initiated |
| 2021-12-29 21:03:31 UTC+0530 | AnsibleControlNodeEIPAssociation | CREATE_IN_PROGRESS | - |
| 2021-12-29 21:03:31 UTC+0530 | AnsibleContolNodeHost | CREATE_IN_PROGRESS | - |
| 2021-12-29 21:03:29 UTC+0530 | AnsibleControlNodeNetworkInterface | CREATE_COMPLETE | - |
| 2021-12-29 21:03:27 UTC+0530 | AnsibleControlNodeInternetGatewayRoute | CREATE_COMPLETE | - |
| 2021-12-29 21:03:26 UTC+0530 | AnsibleTargetNodeInternetGatewayRoute | CREATE_COMPLETE | - |
| 2021-12-29 21:03:17 UTC+0530 | AnsibleControlNodeSubnetAssociateRouteTable | CREATE_COMPLETE | |

Step7: Infrastructure setup completed  with this status “CREATE_COMPLETE”



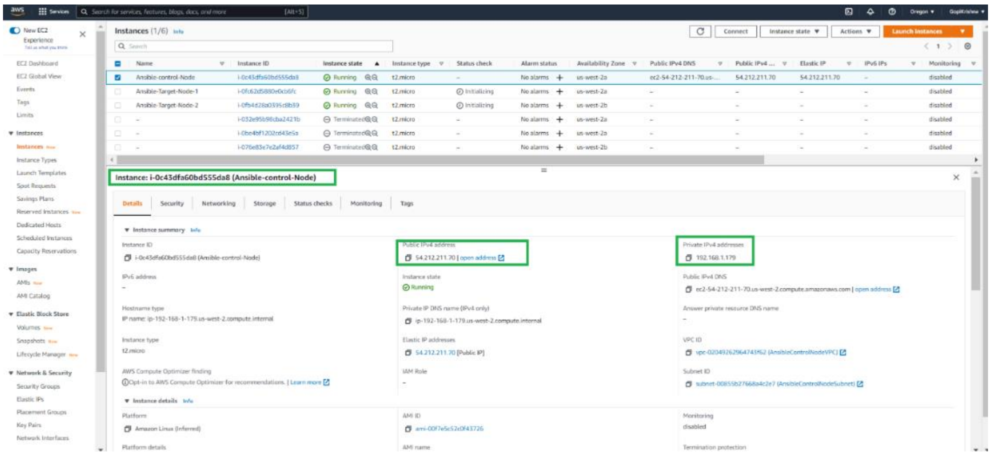
| Timestamp | Logical ID | Status | Status reason |
|---|---|---|---|
| 2021-12-29 21:05:35 UTC+0530 | AnsibleTargetNATRoute | CREATE_COMPLETE | - |
| 2021-12-29 21:05:24 UTC+0530 | AnsibleControlNodeTransitGatewayroute | CREATE_COMPLETE | - |
| 2021-12-29 21:05:19 UTC+0530 | AnsibleTargetNATRoute | CREATE_IN_PROGRESS | Resource creation Initiated |
| 2021-12-29 21:05:18 UTC+0530 | AnsibleTargetNATRoute | CREATE_IN_PROGRESS | - |
| 2021-12-29 21:05:16 UTC+0530 | AnsibleTargetNATGateway | CREATE_COMPLETE | - |
| 2021-12-29 21:05:08 UTC+0530 | AnsibleControlNodeTransitGatewayroute | CREATE_IN_PROGRESS | Resource creation Initiated |
| 2021-12-29 21:05:08 UTC+0530 | AnsibleControlNodeTransitGatewayroute | CREATE_IN_PROGRESS | - |
| 2021-12-29 21:05:05 UTC+0530 | AnsiblecontrolNodeVPCTransitGatewayAttachment | CREATE_COMPLETE | - |
| 2021-12-29 21:04:46 UTC+0530 | AnsibleContolNodeHost | CREATE_COMPLETE | - |
| 2021-12-29 21:04:32 UTC+0530 | AnsibleTargetNodeVPCTransitGatewayAttachments | CREATE_IN_PROGRESS | Resource creation Initiated |
| 2021-12-29 21:04:05 UTC+0530 | AnsiblecontrolNodeVPCTransitGatewayAttachment | CREATE_IN_PROGRESS | Resource creation Initiated |
| 2021-12-29 21:04:03 UTC+0530 | AnsibleTargetNodeVPCTransitGatewayAttachments | CREATE_IN_PROGRESS | - |
| 2021-12-29 21:04:03 UTC+0530 | AnsiblecontrolNodeVPCTransitGatewayAttachment | CREATE_IN_PROGRESS | - |
| 2021-12-29 21:04:00 UTC+0530 | TransitGateway | CREATE_COMPLETE | - |
| 2021-12-29 21:03:48 UTC+0530 | AnsibleControlNodeEIPAssociation | CREATE_COMPLETE | - |
| 2021-12-29 21:03:47 UTC+0530 | AnsibleTargetNodeHost1 | CREATE_COMPLETE | - |



| Logical ID | Physical ID | Type | Status | Status reason | Module |
|---|---|---|---|---|---|
| AnsibleContolNodeHost | i-0c43dfa60bd555da8 | AWS::EC2::Instance | CREATE_COMPLETE | - | - |
| AnsibleControlNodeEIP | 54.212.211.70 | AWS::EC2::EIP | CREATE_COMPLETE | - | - |
| AnsibleControlNodeEIPAssociation | eipassoc-0bb1a9b059d99b9dd | AWS::EC2::EIPAssociation | CREATE_COMPLETE | - | - |
| AnsibleControlNodeInternetGateway | igw-0cac99ddecc59967a | AWS::EC2::InternetGateway | CREATE_COMPLETE | - | - |
| AnsibleControlNodeInternetGatewayRoute | Ansib-Ansib-1LH335O4NQXGT | AWS::EC2::Route | CREATE_COMPLETE | - | - |
| AnsibleControlNodeNetworkInterface | eni-0ba876ac811052c9f | AWS::EC2::NetworkInterface | CREATE_COMPLETE | - | - |
| AnsibleControlNodeRouteTable | rtb-0a05f0dfa8eb83499 | AWS::EC2::RouteTable | CREATE_COMPLETE | - | - |
| AnsibleControlNodeSubnet | subnet-00855b27668a4c2e7 | AWS::EC2::Subnet | CREATE_COMPLETE | - | - |
| AnsibleControlNodeSubnetAssociateRouteTable | rtbassoc-0df416f40e01aa7ad | AWS::EC2::SubnetRouteTableAssociation | CREATE_COMPLETE | - | - |
| AnsibleControlNodeTransitGatewayroute | Ansib-Ansib-1U1PD2J7YKK4 | AWS::EC2::Route | CREATE_COMPLETE | - | - |
| AnsibleControlNodeVPC | vpc-02049262964743f62 | AWS::EC2::VPC | CREATE_COMPLETE | - | - |
| AnsibleControlNodeVPCGatewayAttachment | Ansib-Ansib-18L3B5MPGV45A | AWS::EC2::VPCGatewayAttachment | CREATE_COMPLETE | - | - |
| AnsibleTargetEIP | 44.228.183.76 | AWS::EC2::EIP | CREATE_COMPLETE | - | - |
| AnsibleTargetNATGateway | nat-03c3ad221b0a2f224 | AWS::EC2::NatGateway | CREATE_COMPLETE | - | - |
| AnsibleTargetNATRoute | Ansib-Ansib-C8HKD20K8ZDY | AWS::EC2::Route | CREATE_COMPLETE | - | - |
| AnsibleTargetNodeHost1 | i-0fc62d5880e0cb6fc | AWS::EC2::Instance | CREATE_COMPLETE | - | - |

## Validation of Steps:

1. EC2 – 1 Ansible Control Node and 2 Ansible Target Nodes



Instances (1/6) Info

| ☑ | Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IPv4 DNS | Public IPv4 ... | Elastic IP | IPv6 IPs | Monitoring |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ☑ | Ansible-control-Node | i-0c43dfa60bd555da8 | Running | t2.micro | – | No alarms | us-west-2a | ec2-54-212-211-70.us-... | 54.212.211.70 | 54.212.211.70 | – | disabled |
| ☐ | Ansible-Target-Node-1 | i-0fc62d5880e0cb6fc | Running | t2.micro | Initializing | No alarms | us-west-2a | – | – | – | – | disabled |
| ☐ | Ansible-Target-Node-2 | i-0fb4d28a0395c8b39 | Running | t2.micro | Initializing | No alarms | us-west-2b | – | – | – | – | disabled |
| ☐ | – | i-032e95b98cba2421b | Terminated | t2.micro | – | No alarms | us-west-2a | – | – | – | – | disabled |
| ☐ | – | i-0be4bf1202cd43e5a | Terminated | t2.micro | – | No alarms | us-west-2a | – | – | – | – | disabled |
| ☐ | – | i-076e83e7e2af4d857 | Terminated | t2.micro | – | No alarms | us-west-2b | – | – | – | – | disabled |

Instance: i-0c43dfa60bd555da8 (Ansible-control-Node)

Instance summary

Instance ID: i-0c43dfa60bd555da8 (Ansible-control-Node)

Public IPv4 address: 54.212.211.70 | open address

Private IPv4 addresses: 192.168.1.179

IPv6 address: –

Instance state: Running

Public IPv4 DNS: ec2-54-212-211-70.us-west-2.compute.amazonaws.com | open address

Hostname type: IP name: ip-192-168-1-179.us-west-2.compute.internal

Private IP DNS name (IPv4 only): ip-192-168-1-179.us-west-2.compute.internal

Answer private resource DNS name: –

Instance type: t2.micro

Elastic IP addresses: 54.212.211.70 [Public IP]

VPC ID: vpc-02049262964743f62 (AnsibleControlNodeVPC)

AWS Compute Optimizer finding: Opt-in to AWS Compute Optimizer for recommendations. | Learn more

IAM Role: –

Subnet ID: subnet-00855b27668a4c2e7 (AnsibleControlNodeSubnet)

Instance details

Platform: Amazon Linux (Inferred)

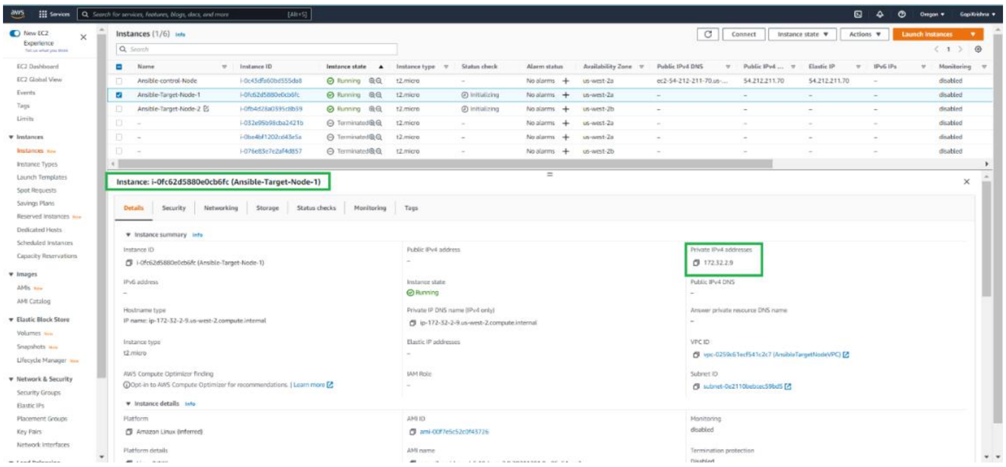
AMI ID: ami-00f7e5c52c0f43726

Monitoring: disabled

Platform details

AMI name

Termination protection



Instances (1/6) Info

| ☑ | Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IPv4 DNS | Public IPv4 ... | Elastic IP | IPv6 IPs | Monitoring |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ☐ | Ansible-control-Node | i-0c43dfa60bd555da8 | Running | t2.micro | – | No alarms | us-west-2a | ec2-54-212-211-70.us-... | 54.212.211.70 | 54.212.211.70 | – | disabled |
| ☑ | Ansible-Target-Node-1 | i-0fc62d5880e0cb6fc | Running | t2.micro | Initializing | No alarms | us-west-2a | – | – | – | – | disabled |
| ☐ | Ansible-Target-Node-2 | i-0fb4d28a0395c8b39 | Running | t2.micro | Initializing | No alarms | us-west-2b | – | – | – | – | disabled |
| ☐ | – | i-032e95b98cba2421b | Terminated | t2.micro | – | No alarms | us-west-2a | – | – | – | – | disabled |
| ☐ | – | i-0be4bf1202cd43e5a | Terminated | t2.micro | – | No alarms | us-west-2a | – | – | – | – | disabled |
| ☐ | – | i-076e83e7e2af4d857 | Terminated | t2.micro | – | No alarms | us-west-2b | – | – | – | – | disabled |

Instance: i-0fc62d5880e0cb6fc (Ansible-Target-Node-1)

Instance summary

Instance ID: i-0fc62d5880e0cb6fc (Ansible-Target-Node-1)

Public IPv4 address: –

Private IPv4 addresses: 172.32.2.9

IPv6 address: –

Instance state: Running

Public IPv4 DNS: –

Hostname type: IP name: ip-172-32-2-9.us-west-2.compute.internal

Private IP DNS name (IPv4 only): ip-172-32-2-9.us-west-2.compute.internal

Answer private resource DNS name: –

Instance type: t2.micro

Elastic IP addresses: –

VPC ID: vpc-0259c61ecf541c2c7 (AnsibleTargetNodeVPC)

AWS Compute Optimizer finding: Opt-in to AWS Compute Optimizer for recommendations. | Learn more

IAM Role: –

Subnet ID: subnet-0e2110bebcec59bd5

Instance details

Platform: Amazon Linux (Inferred)

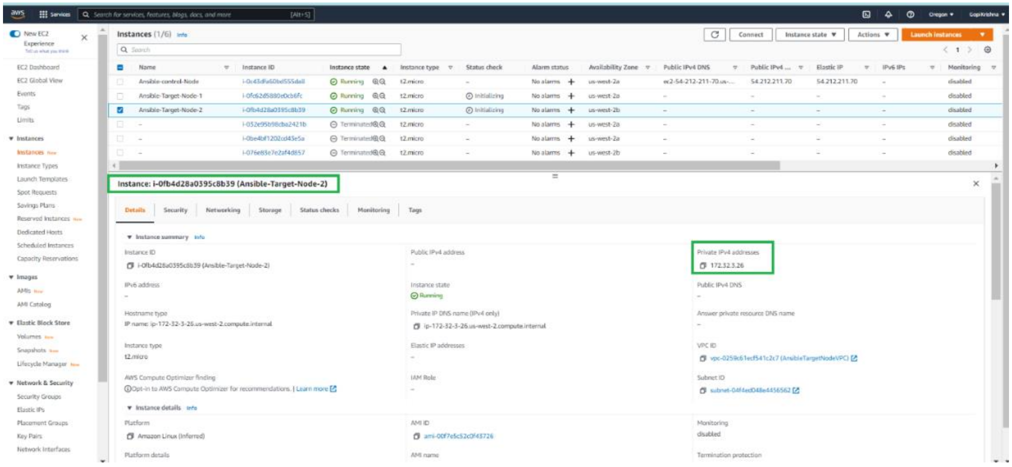
AMI ID: ami-00f7e5c52c0f43726

Monitoring: disabled

Platform details

AMI name

Termination protection: Disabled



Instances (1/6) Info

| ☑ | Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IPv4 DNS | Public IPv4 ... | Elastic IP | IPv6 IPs | Monitoring |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ☐ | Ansible-control-Node | i-0c43dfa60bd555da8 | Running | t2.micro | – | No alarms | us-west-2a | ec2-54-212-211-70.us-... | 54.212.211.70 | 54.212.211.70 | – | disabled |
| ☐ | Ansible-Target-Node-1 | i-0fc62d5880e0cb6fc | Running | t2.micro | Initializing | No alarms | us-west-2a | – | – | – | – | disabled |
| ☑ | Ansible-Target-Node-2 | i-0fb4d28a0395c8b39 | Running | t2.micro | Initializing | No alarms | us-west-2b | – | – | – | – | disabled |
| ☐ | – | i-032e95b98cba2421b | Terminated | t2.micro | – | No alarms | us-west-2a | – | – | – | – | disabled |
| ☐ | – | i-0be4bf1202cd43e5a | Terminated | t2.micro | – | No alarms | us-west-2a | – | – | – | – | disabled |
| ☐ | – | i-076e83e7e2af4d857 | Terminated | t2.micro | – | No alarms | us-west-2b | – | – | – | – | disabled |

Instance: i-0fb4d28a0395c8b39 (Ansible-Target-Node-2)

Instance summary

Instance ID: i-0fb4d28a0395c8b39 (Ansible-Target-Node-2)

Public IPv4 address: –

Private IPv4 addresses: 172.32.3.26

IPv6 address: –

Instance state: Running

Public IPv4 DNS: –

Hostname type: IP name: ip-172-32-3-26.us-west-2.compute.internal

Private IP DNS name (IPv4 only): ip-172-32-3-26.us-west-2.compute.internal

Answer private resource DNS name: –

Instance type: t2.micro

Elastic IP addresses: –

VPC ID: vpc-0259c61ecf541c2c7 (AnsibleTargetNodeVPC)

AWS Compute Optimizer finding: Opt-in to AWS Compute Optimizer for recommendations. | Learn more

IAM Role: –

Subnet ID: subnet-04f4ed048e4456562

Instance details

Platform: Amazon Linux (Inferred)

AMI ID: ami-00f7e5c52c0f43726

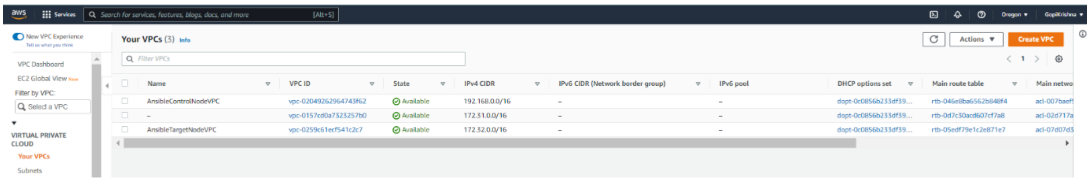
Monitoring: disabled

Platform details

AMI name

Termination protection

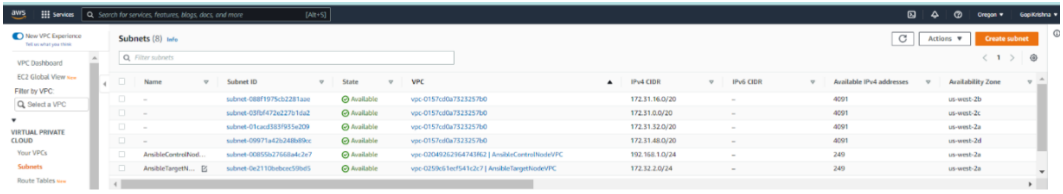
2. VPC`s Created for both Control Node and Target Nodes



Your VPCs (3) Info

| ☐ | Name | VPC ID | State | IPv4 CIDR | IPv6 CIDR (Network border group) | IPv6 pool | DHCP options set | Main route table | Main netwo |
|---|---|---|---|---|---|---|---|---|---|
| ☐ | AnsibleControlNodeVPC | vpc-02049262964743f62 | Available | 192.168.0.0/16 | – | – | dopt-0c0856b233df39... | rtb-046e8ba6562b848f4 | acl-007baef |
| ☐ | – | vpc-0157cd0a7323257b0 | Available | 172.31.0.0/16 | – | – | dopt-0c0856b233df39... | rtb-0d7c30acd607cf7a8 | acl-02d717a |
| ☐ | AnsibleTargetNodeVPC | vpc-0259c61ecf541c2c7 | Available | 172.32.0.0/16 | – | – | dopt-0c0856b233df39... | rtb-05edf79e1c2e871e7 | acl-07d07d3 |

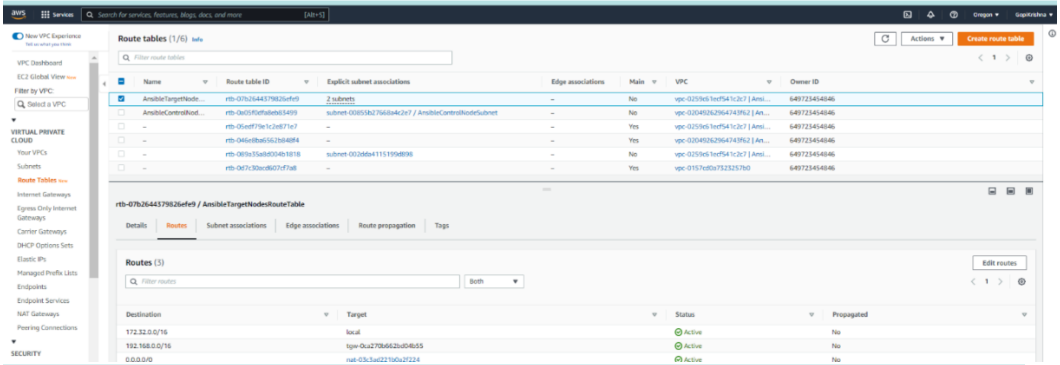
3. Subnet`s


Search for services, features, blogs, docs, and more [Alt+S]
Oregon
GopiKrishna
Actions
Create subnet

Subnets (8) Info

| | Name | Subnet ID | State | VPC | IPv4 CIDR | IPv6 CIDR | Available IPv4 addresses | Availability Zone |
|---|---|---|---|---|---|---|---|---|
| □ | – | subnet-088f1975cb2281aae | Available | vpc-0157cd0a7323257b0 | 172.31.16.0/20 | – | 4091 | us-west-2b |
| □ | – | subnet-03fbf472e227b1da2 | Available | vpc-0157cd0a7323257b0 | 172.31.0.0/20 | – | 4091 | us-west-2c |
| □ | – | subnet-01cacd383f935e209 | Available | vpc-0157cd0a7323257b0 | 172.31.32.0/20 | – | 4091 | us-west-2a |
| □ | – | subnet-09971a42b248b89cc | Available | vpc-0157cd0a7323257b0 | 172.31.48.0/20 | – | 4091 | us-west-2d |
| □ | AnsibleControlNod... | subnet-00855b27668a4c2e7 | Available | vpc-02049262964743f62 \| AnsibleControlNodeVPC | 192.168.1.0/24 | – | 249 | us-west-2a |
| □ | AnsibleTargetN... | subnet-0e2110bebcec59bd5 | Available | vpc-0259c61ecf541c2c7 \| AnsibleTargetNodeVPC | 172.32.2.0/24 | – | 249 | us-west-2a |

4. Route tables



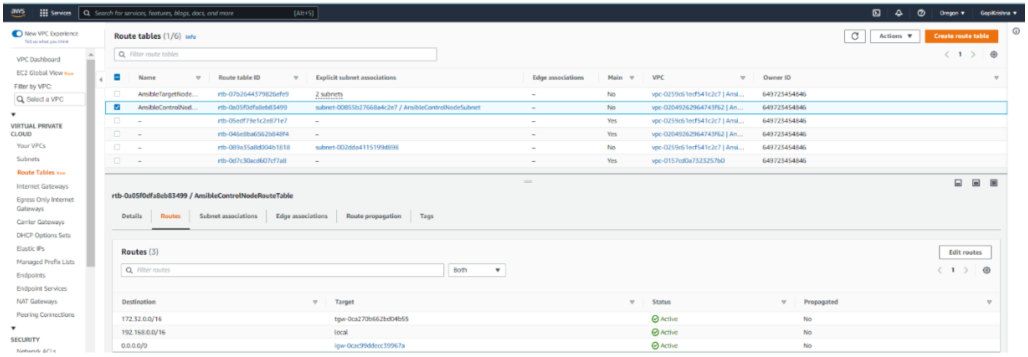
Route tables (1/6) Info

| | Name | Route table ID | Explicit subnet associations | Edge associations | Main | VPC | Owner ID |
|---|---|---|---|---|---|---|---|
| ☑ | AnsibleTargetNode... | rtb-07b2644379826efe9 | 2 subnets | – | No | vpc-0259c61ecf541c2c7 \| Ansi... | 649723454846 |
| □ | AnsibleControlNod... | rtb-0a05f0dfa8eb83499 | subnet-00855b27668a4c2e7 / AnsibleControlNodeSubnet | – | No | vpc-02049262964743f62 \| An... | 649723454846 |
| □ | – | rtb-05edf79e1c2e871e7 | – | – | Yes | vpc-0259c61ecf541c2c7 \| Ansi... | 649723454846 |
| □ | – | rtb-046e8ba6562b848f4 | – | – | Yes | vpc-02049262964743f62 \| An... | 649723454846 |
| □ | – | rtb-089a35a8d004b1818 | subnet-002dda4115199d898 | – | No | vpc-0259c61ecf541c2c7 \| Ansi... | 649723454846 |
| □ | – | rtb-0d7c30acd607cf7a8 | – | – | Yes | vpc-0157cd0a7323257b0 | 649723454846 |

rtb-07b2644379826efe9 / AnsibleTargetNodesRouteTable

Routes (3)

| Destination | Target | Status | Propagated |
|---|---|---|---|
| 172.32.0.0/16 | local | Active | No |
| 192.168.0.0/16 | tgw-0ca270b662bd04b55 | Active | No |
| 0.0.0.0/0 | nat-03c3ad221b0a2f224 | Active | No |



Route tables (1/6) Info

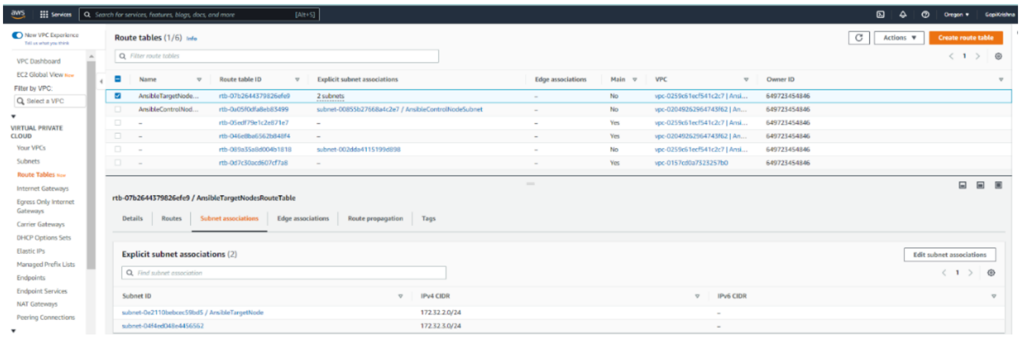
| | Name | Route table ID | Explicit subnet associations | Edge associations | Main | VPC | Owner ID |
|---|---|---|---|---|---|---|---|
| □ | AnsibleTargetNode... | rtb-07b2644379826efe9 | 2 subnets | – | No | vpc-0259c61ecf541c2c7 \| Ansi... | 649723454846 |
| ☑ | AnsibleControlNod... | rtb-0a05f0dfa8eb83499 | subnet-00855b27668a4c2e7 / AnsibleControlNodeSubnet | – | No | vpc-02049262964743f62 \| An... | 649723454846 |
| □ | – | rtb-05edf79e1c2e871e7 | – | – | Yes | vpc-0259c61ecf541c2c7 \| Ansi... | 649723454846 |
| □ | – | rtb-046e8ba6562b848f4 | – | – | Yes | vpc-02049262964743f62 \| An... | 649723454846 |
| □ | – | rtb-089a35a8d004b1818 | subnet-002dda4115199d898 | – | No | vpc-0259c61ecf541c2c7 \| Ansi... | 649723454846 |
| □ | – | rtb-0d7c30acd607cf7a8 | – | – | Yes | vpc-0157cd0a7323257b0 | 649723454846 |

rtb-0a05f0dfa8eb83499 / AnsibleControlNodeRouteTable

Routes (3)

| Destination | Target | Status | Propagated |
|---|---|---|---|
| 172.32.0.0/16 | tgw-0ca270b662bd04b55 | Active | No |
| 192.168.0.0/16 | local | Active | No |
| 0.0.0.0/0 | igw-0cac99ddecc39967a | Active | No |

5. Subnets Associated with Route Tables



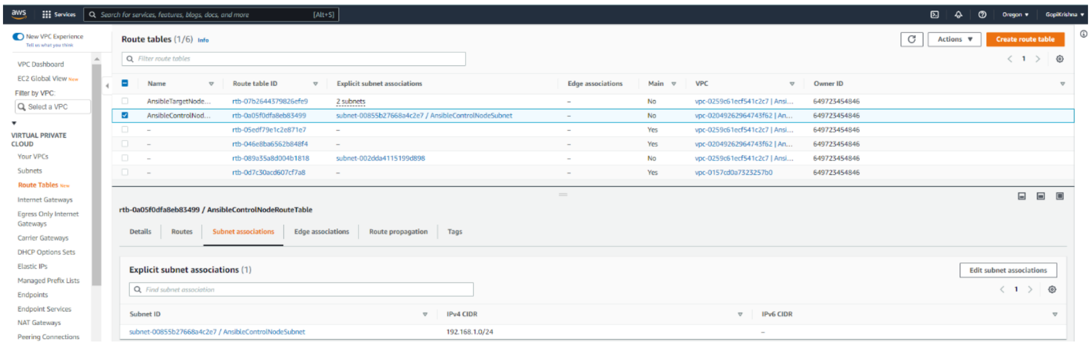
Route tables (1/6) Info

| | Name | Route table ID | Explicit subnet associations | Edge associations | Main | VPC | Owner ID |
|---|---|---|---|---|---|---|---|
| ☑ | AnsibleTargetNode... | rtb-07b2644379826efe9 | 2 subnets | – | No | vpc-0259c61ecf541c2c7 \| Ansi... | 649723454846 |
| □ | AnsibleControlNod... | rtb-0a05f0dfa8eb83499 | subnet-00855b27668a4c2e7 / AnsibleControlNodeSubnet | – | No | vpc-02049262964743f62 \| An... | 649723454846 |
| □ | – | rtb-05edf79e1c2e871e7 | – | – | Yes | vpc-0259c61ecf541c2c7 \| Ansi... | 649723454846 |
| □ | – | rtb-046e8ba6562b848f4 | – | – | Yes | vpc-02049262964743f62 \| An... | 649723454846 |
| □ | – | rtb-089a35a8d004b1818 | subnet-002dda4115199d898 | – | No | vpc-0259c61ecf541c2c7 \| Ansi... | 649723454846 |
| □ | – | rtb-0d7c30acd607cf7a8 | – | – | Yes | vpc-0157cd0a7323257b0 | 649723454846 |

rtb-07b2644379826efe9 / AnsibleTargetNodesRouteTable

Explicit subnet associations (2)

| Subnet ID | IPv4 CIDR | IPv6 CIDR |
|---|---|---|
| subnet-0e2110bebcec59bd5 / AnsibleTargetNode | 172.32.2.0/24 | – |
| subnet-04f4ed048e4456562 | 172.32.3.0/24 | – |



Route tables (1/6) Info

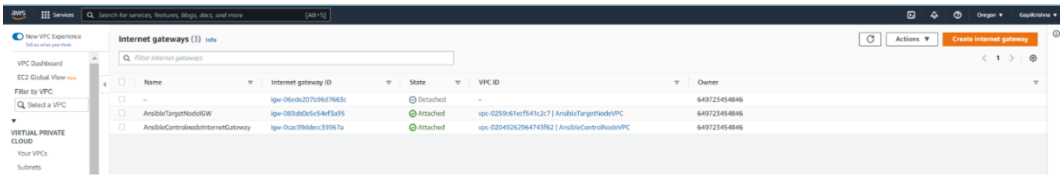
| | Name | Route table ID | Explicit subnet associations | Edge associations | Main | VPC | Owner ID |
|---|---|---|---|---|---|---|---|
| □ | AnsibleTargetNode... | rtb-07b2644379826efe9 | 2 subnets | – | No | vpc-0259c61ecf541c2c7 \| Ansi... | 649723454846 |
| ☑ | AnsibleControlNod... | rtb-0a05f0dfa8eb83499 | subnet-00855b27668a4c2e7 / AnsibleControlNodeSubnet | – | No | vpc-02049262964743f62 \| An... | 649723454846 |
| □ | – | rtb-05edf79e1c2e871e7 | – | – | Yes | vpc-0259c61ecf541c2c7 \| Ansi... | 649723454846 |
| □ | – | rtb-046e8ba6562b848f4 | – | – | Yes | vpc-02049262964743f62 \| An... | 649723454846 |
| □ | – | rtb-089a35a8d004b1818 | subnet-002dda4115199d898 | – | No | vpc-0259c61ecf541c2c7 \| Ansi... | 649723454846 |
| □ | – | rtb-0d7c30acd607cf7a8 | – | – | Yes | vpc-0157cd0a7323257b0 | 649723454846 |

rtb-0a05f0dfa8eb83499 / AnsibleControlNodeRouteTable

Explicit subnet associations (1)

| Subnet ID | IPv4 CIDR | IPv6 CIDR |
|---|---|---|
| subnet-00855b27668a4c2e7 / AnsibleControlNodeSubnet | 192.168.1.0/24 | – |

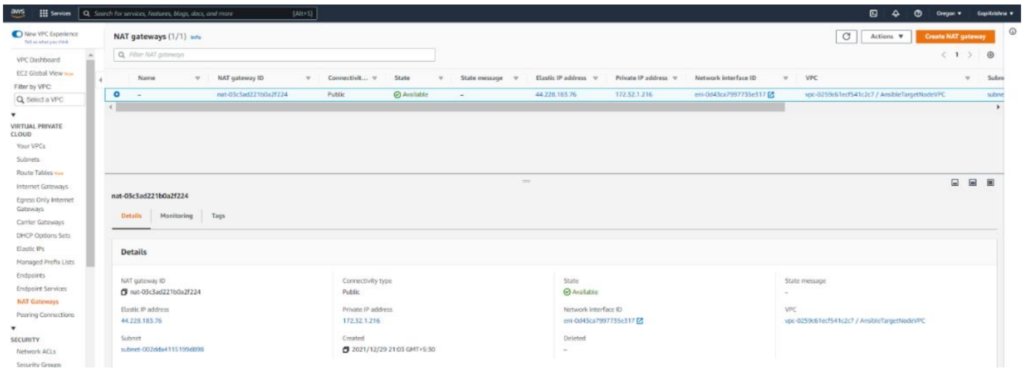
6. Internet Gateway for both Ansible control Node & Ansible Target Nodes



Internet gateways (3)

| Name | Internet gateway ID | State | VPC ID | Owner |
|---|---|---|---|---|
| – | igw-06ede207b96d7663c | Detached | – | 649723454846 |
| AnsibleTargetNodeIGW | igw-089ab0e5e54ef3a95 | Attached | vpc-0259c61ecf541c2c7 \| AnsibleTargetNodeVPC | 649723454846 |
| AnsibleControlnodeInternetGateway | igw-0cac99ddecc39967a | Attached | vpc-02049262964743f62 \| AnsibleControlNodeVPC | 649723454846 |

7. NAT Gateway for Ansible Target Node  (Private subnets)



NAT gateways (1/1)

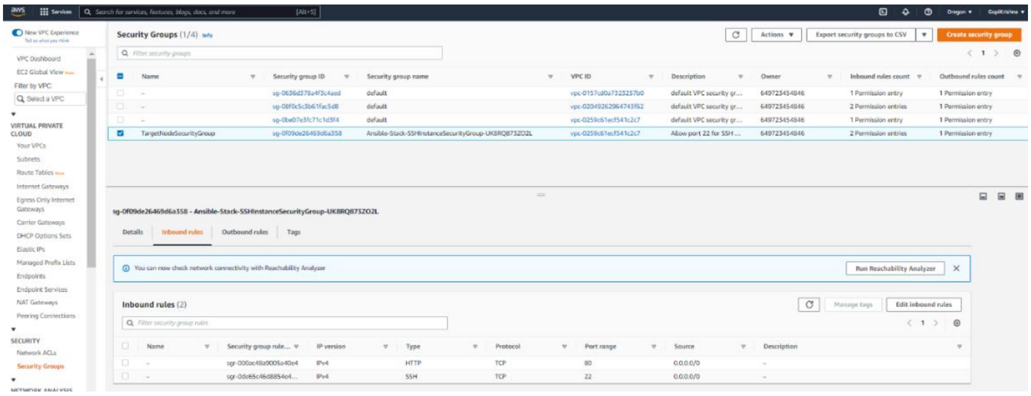
| Name | NAT gateway ID | Connectivit... | State | State message | Elastic IP address | Private IP address | Network interface ID | VPC | Subne |
|---|---|---|---|---|---|---|---|---|---|
| – | nat-03c3ad221b0a2f224 | Public | Available | – | 44.228.183.76 | 172.32.1.216 | eni-0d43ca7997735e317 | vpc-0259c61ecf541c2c7 / AnsibleTargetNodeVPC | subne |

nat-03c3ad221b0a2f224

Details

NAT gateway ID: nat-03c3ad221b0a2f224
Connectivity type: Public
State: Available
State message: -
Elastic IP address: 44.228.183.76
Private IP address: 172.32.1.216
Network interface ID: eni-0d43ca7997735e317
VPC: vpc-0259c61ecf541c2c7 / AnsibleTargetNodeVPC
Subnet: subnet-002dda4115199d898
Created: 2021/12/29 21:03 GMT+5:30
Deleted: -

8. Security Group created for Target nodes



Security Groups (1/4)

| Name | Security group ID | Security group name | VPC ID | Description | Owner | Inbound rules count | Outbound rules count |
|---|---|---|---|---|---|---|---|
| – | sg-0636d378a4f3c4aed | default | vpc-0157cd0a7323257b0 | default VPC security gr... | 649723454846 | 1 Permission entry | 1 Permission entry |
| – | sg-08f0c5c3b61fac5d8 | default | vpc-02049262964743f62 | default VPC security gr... | 649723454846 | 2 Permission entries | 1 Permission entry |
| – | sg-0be07e3fc71c1d3f4 | default | vpc-0259c61ecf541c2c7 | default VPC security gr... | 649723454846 | 1 Permission entry | 1 Permission entry |
| TargetNodeSecurityGroup | sg-0f09de26469d6a358 | Ansible-Stack-SSHInstanceSecurityGroup-UK8RQ873ZO2L | vpc-0259c61ecf541c2c7 | Allow port 22 for SSH ... | 649723454846 | 2 Permission entries | 1 Permission entry |

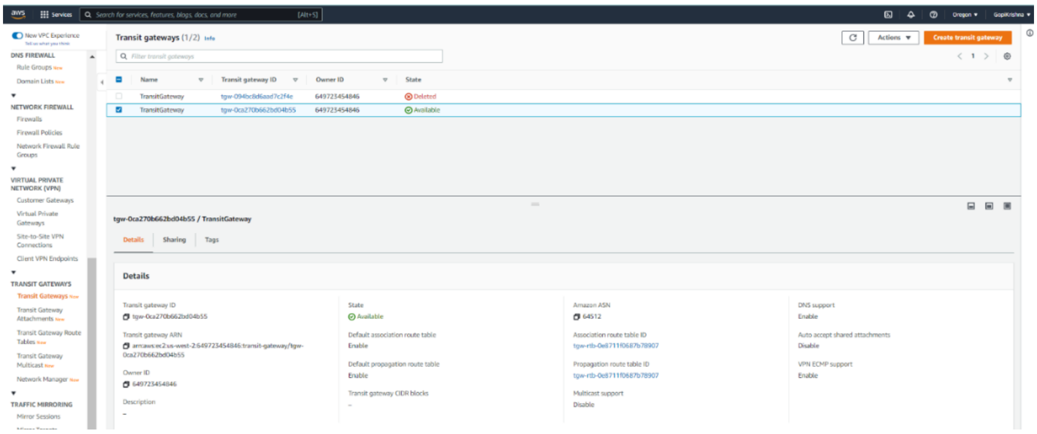
sg-0f09de26469d6a358 - Ansible-Stack-SSHInstanceSecurityGroup-UK8RQ873ZO2L

You can now check network connectivity with Reachability Analyzer

Inbound rules (2)

| Name | Security group rule... | IP version | Type | Protocol | Port range | Source | Description |
|---|---|---|---|---|---|---|---|
| – | sgr-000ac48a9005a40e4 | IPv4 | HTTP | TCP | 80 | 0.0.0.0/0 | – |
| – | sgr-0de65c46d8854e4... | IPv4 | SSH | TCP | 22 | 0.0.0.0/0 | – |

9. Transit Gateway



Transit gateways (1/2)

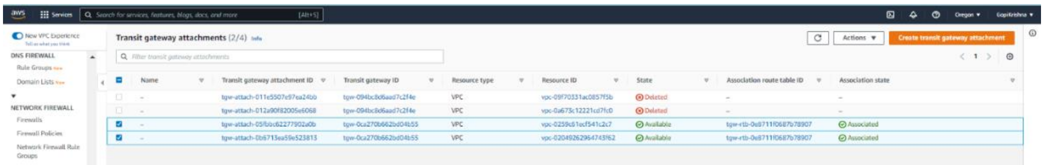
| Name | Transit gateway ID | Owner ID | State |
|---|---|---|---|
| TransitGateway | tgw-094bc8d6aad7c2f4e | 649723454846 | Deleted |
| TransitGateway | tgw-0ca270b662bd04b55 | 649723454846 | Available |

tgw-0ca270b662bd04b55 / TransitGateway

Details

Transit gateway ID: tgw-0ca270b662bd04b55
Transit gateway ARN: arn:aws:ec2:us-west-2:649723454846:transit-gateway/tgw-0ca270b662bd04b55
Owner ID: 649723454846
Description: -
State: Available
Default association route table: Enable
Default propagation route table: Enable
Transit gateway CIDR blocks: -
Amazon ASN: 64512
Association route table ID: tgw-rtb-0e8711f0687b78907
Propagation route table ID: tgw-rtb-0e8711f0687b78907
Multicast support: Disable
DNS support: Enable
Auto accept shared attachments: Disable
VPN ECMP support: Enable

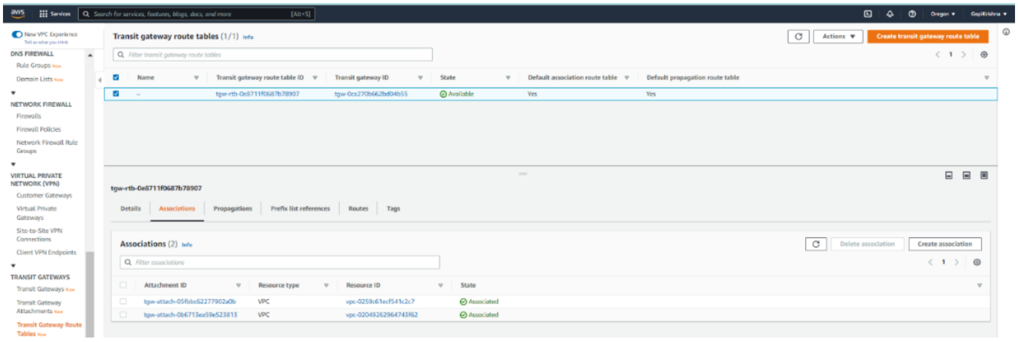
10. Transit Gateway Attachments for both VPC`s (AnsibleControlNodeVPC & AnsibleTargetNodeVPC)



Transit gateway attachments (2/4)

| Name | Transit gateway attachment ID | Transit gateway ID | Resource type | Resource ID | State | Association route table ID | Association state |
|---|---|---|---|---|---|---|---|
| – | tgw-attach-011e5507e97ea24bb | tgw-094bc8d6aad7c2f4e | VPC | vpc-09f70331ac0857f5b | Deleted | – | – |
| – | tgw-attach-012a90f82005e6068 | tgw-094bc8d6aad7c2f4e | VPC | vpc-0a673c12221cd7fc0 | Deleted | – | – |
| – | tgw-attach-05fbbc62277902a0b | tgw-0ca270b662bd04b55 | VPC | vpc-0259c61ecf541c2c7 | Available | tgw-rtb-0e8711f0687b78907 | Associated |
| – | tgw-attach-0b6713ea59e523813 | tgw-0ca270b662bd04b55 | VPC | vpc-02049262964743f62 | Available | tgw-rtb-0e8711f0687b78907 | Associated |

11. Transit Gateway Route Tables



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Transit Gateways New
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Transit Gateway Route Tables New
Actions ▾
Create transit gateway route table
Filter transit gateway route tables

Transit gateway route tables (1/1) Info

| ☑ | Name | Transit gateway route table ID | Transit gateway ID | State | Default association route table | Default propagation route table |
|---|---|---|---|---|---|---|
| ☑ | – | tgw-rtb-0e8711f0687b78907 | tgw-0ca270b662bd04b55 | ✓ Available | Yes | Yes |

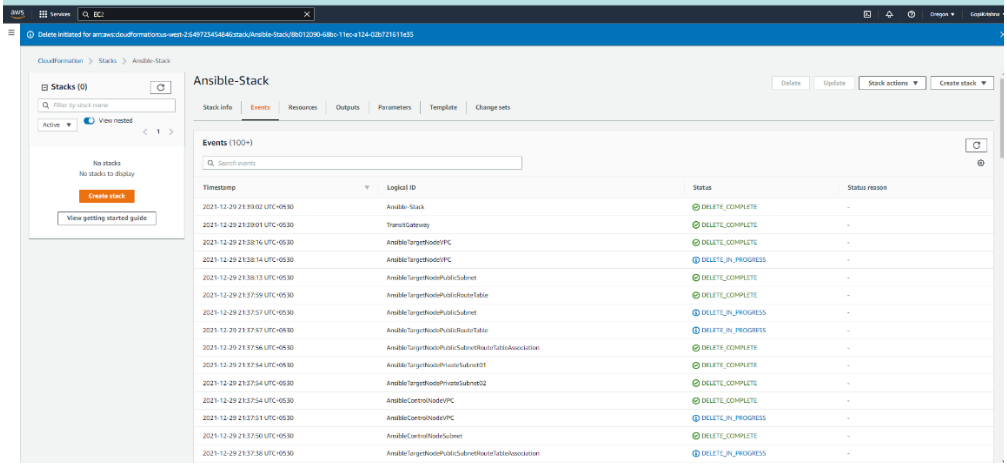
tgw-rtb-0e8711f0687b78907

Associations (2) Info

| □ | Attachment ID | Resource type | Resource ID | State |
|---|---|---|---|---|
| □ | tgw-attach-05fbbc62277902a0b | VPC | vpc-0259c61ecf541c2c7 | ✓ Associated |
| □ | tgw-attach-0b6713ea59e523813 | VPC | vpc-02049262964743f62 | ✓ Associated |

**Note: Once we are done with our operations/practice in a prepared environment. we just need to delete the stack. Cloud Formation stack will take care of removing everything. We can get rid of more bills.**

**Stack deleted successfully and our infrastructure setup was also removed along with a stack.**



Delete initiated for arn:aws:cloudformation:us-west-2:649723454846:stack/Ansible-Stack/8b012090-68bc-11ec-a124-02b721611e35

Ansible-Stack

Events (100+)

| Timestamp | Logical ID | Status | Status reason |
|---|---|---|---|
| 2021-12-29 21:39:02 UTC+0530 | Ansible-Stack | ✓ DELETE_COMPLETE | - |
| 2021-12-29 21:39:01 UTC+0530 | TransitGateway | ✓ DELETE_COMPLETE | - |
| 2021-12-29 21:38:16 UTC+0530 | AnsibleTargetNodeVPC | ✓ DELETE_COMPLETE | - |
| 2021-12-29 21:38:14 UTC+0530 | AnsibleTargetNodeVPC | ⓘ DELETE_IN_PROGRESS | - |
| 2021-12-29 21:38:13 UTC+0530 | AnsibleTargetNodePublicSubnet | ✓ DELETE_COMPLETE | - |
| 2021-12-29 21:37:59 UTC+0530 | AnsibleTargetNodePublicRouteTable | ✓ DELETE_COMPLETE | - |
| 2021-12-29 21:37:57 UTC+0530 | AnsibleTargetNodePublicSubnet | ⓘ DELETE_IN_PROGRESS | - |
| 2021-12-29 21:37:57 UTC+0530 | AnsibleTargetNodePublicRouteTable | ⓘ DELETE_IN_PROGRESS | - |
| 2021-12-29 21:37:56 UTC+0530 | AnsibleTargetNodePublicSubnetRouteTableAssociation | ✓ DELETE_COMPLETE | - |
| 2021-12-29 21:37:54 UTC+0530 | AnsibleTargetNodePrivateSubnet01 | ✓ DELETE_COMPLETE | - |
| 2021-12-29 21:37:54 UTC+0530 | AnsibleTargetNodePrivateSubnet02 | ✓ DELETE_COMPLETE | - |
| 2021-12-29 21:37:54 UTC+0530 | AnsibleControlNodeVPC | ✓ DELETE_COMPLETE | - |
| 2021-12-29 21:37:51 UTC+0530 | AnsibleControlNodeVPC | ⓘ DELETE_IN_PROGRESS | - |
| 2021-12-29 21:37:50 UTC+0530 | AnsibleControlNodeSubnet | ✓ DELETE_COMPLETE | - |
| 2021-12-29 21:37:38 UTC+0530 | AnsibleTargetNodePublicSubnetRouteTableAssociation | ⓘ DELETE_IN_PROGRESS | - |