

CA3:

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11902342

Roll no: 96

Que1:

```
main.tf terraform.tfstate terraform.tfstate.backup variables.tf variables.tfvars
```

```
Plan: 6 to add, 0 to change, 0 to destroy.
```

```
Note: You didn't use the -out option to save this plan, so Terraform can't guarantee to take exactly these actions if you run "terraform apply" now.
```

```
aws_elb.elb
aws_instance.instance
aws_internet_gateway.gw
aws_security_group.sg
aws_subnet.subnet
aws_vpc.vpc
```

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Instances

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AMIs

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Volumes

EC2 > Instances > i-Oe87692482a99f2f7

Instance summary for i-Oe87692482a99f2f7 (siddu234)

Updated less than a minute ago

Instance ID

i-Oe87692482a99f2f7 (siddu234)

Public IPv4 address

-

Private IPv4 addresses

10.0.0.251

IPv6 address

-

Instance state

Running

Public IPv4 DNS

-

Hostname type

IP name: ip-10-0-0-251.us-east-2.compute.internal

Private IP DNS name (IPv4 only)

ip-10-0-0-251.us-east-2.compute.internal

Answer private resource DNS name

-

Instance type

t2.micro

Elastic IP addresses

-

Auto-assigned IP address

-

VPC ID

vpc-07e201e49fb550445 (aws111)

AWS Compute Optimizer finding

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

IAM Role

-

Subnet ID

subnet-0b92bcb1f5e3d721 (siddu234)

Auto Scaling Group name

-

IMDSv2

Required

Details

Security

Networking

Storage

Status checks

Monitoring

Tags

Instance details

Platform

AMI ID

Monitoring

Internet gateways (1/3)

Filter internet gateways

1

CA3-11901874-Que1

igw-010d5dee19185328d

Attached

vpc-04d5c484d5de99080 | CA3-1190...

949973980402

igw

igw-0449c5d1ac3b17c42

Attached

vpc-088e32d74a220088d | vpc-

949973980402

igw-010d5dee19185328d / CA3-11901874-Que1

Details

Tags

Internet gateway ID

igw-010d5dee19185328d

State

Attached

VPC ID

vpc-04d5c484d5de99080 | CA3-11901874-Que1

Owner

949973980402

Security groups:

sg-0d0190d76642969cd - sg20230421094959091000000001

Details

Inbound rules

Outbound rules

Tags

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Details

Security group name sg20230421094959091000000001	Security group ID sg-0d0190d76642969cd	Description Managed by Terraform	VPC ID vpc-04d5c484d5de99080
Owner 949973980402	Inbound rules count 1 Permission entry	Outbound rules count 0 Permission entries	

Subnets:

subnet-03ed1ab802e4115f8 / CA3-11901874-Que1

Details

Flow logs

Route table

Network ACL

CIDR reservations

Sharing

Tags

Details

Subnet ID subnet-03ed1ab802e4115f8	Subnet ARN arn:aws:ec2:ap-south-1:949973980402:subnet/subnet-03ed1ab802e4115f8	State Available	IPv4 CIDR 10.0.0.0/24
Available IPv4 addresses 248	IPv6 CIDR -	Availability Zone ap-south-1a	Availability Zone ID aps1-az1
Network border group ap-south-1	VPC vpc-04d5c484d5de99080 CA3-11901874-Que1	Route table rtb-08d99b44fdaa3782d	Network ACL acl-0c01fc7e5e7b67ad9
Default subnet No	Auto-assign public IPv4 address	Auto-assign IPv6 address No	Auto-assign customer-owned IPv4 address No
Customer-owned IPv4 pool	IPv4 CIDR reservations		

Vpc:

Details

Resource map New

CIDRs

Flow logs

Tags

Details

VPC ID vpc-04d5c484d5de99080	State Available	DNS hostnames Disabled	DNS resolution Enabled
Tenancy Default	DHCP option set dopt-08ea94d91d35f061a	Main route table rtb-08d99b44fdaa3782d	Main network ACL acl-0c01fc7e5e7b67ad9
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 949973980402	

2que:

```
---
- name: CA 3 Que 2
  hosts: localhost
  connection: local
  gather_facts: no
  tasks:
    - name: Creating EC2 instance with Ansible CA3
      amazon.aws.ec2_instance:
        aws_access_key: AKIA52LW4STZEZOI7IU
        aws_secret_key: kUSIND8/WFFPUypTm0z9DyLISvr1PskXApWz0IGg
        key_name: id_rsa
        instance_type: t2.micro
        image_id: ami-07d3a50bd29811cd1
        region: ap-south-1
        security_group: default
        name: CA3-Que2-11901874
        wait: true
        register: ec2
olaf@BhargavSai:~/Devops/11901874-K19CC02-EPAM/CA3/Que2$ ansible-playbook EC2.yml
[WARNING]: provided hosts list is empty, only localhost is available. Note that the implicit localhost does not match 'all'

PLAY [CA 3 Que 2] *************************************************************************************************************************************

TASK [Creating EC2 instance with Ansible CA3] *********************************************************************
changed: [localhost]

PLAY RECAP *********************************************************************
localhost                : ok=1    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

Instances:

Details	Security	Networking	Storage	Status checks	Monitoring	Tags
▼ Instance summary Info						
Instance ID i-03fa2188144f10688 (CA3-Que2-11901874)	Public IPv4 address 13.232.61.24 open address		Private IPv4 addresses 172.31.35.42			
IPv6 address --	Instance state Running		Public IPv4 DNS ec2-13-232-61-24.ap-south-1.compute.amazonaws.com open address			
Hostname type IP name: ip-172-31-35-42.ap-south-1.compute.internal	Private IP DNS name (IPv4 only) ip-172-31-35-42.ap-south-1.compute.internal		Elastic IP addresses --			
Answer private resource DNS name --	Instance type t2.micro		AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations.			
Auto-assigned IP address 13.232.61.24 [Public IP]	VPC ID vpc-00b8023b9f6758e03		--			