

QUESTION NO: 01

Console:

1. Create Network Interface (NIC) on Console:

- Navigate to the AWS Management Console.
- Create a new Network Interface (NIC) in a specific VPC and subnet.
- Associate the NIC with a security group.
- Note down the Private IP address assigned to the NIC.

2. Launch EC2 Instance and Associate NIC:

- Launch a new EC2 instance using the AWS Management Console.
- During the instance launch, associate the previously created NIC with the instance.
- Confirm that the instance has the expected private IP address.

3. Verify Network Interface Configuration:

- Access the EC2 instance and verify the network interface configuration.
- Use the console to check the details of the associated NIC.

Create network interface

An elastic network interface is a logical networking component in a VPC that represents a virtual network card.

Details [Info](#)

Description - *optional*

A descriptive name for the network interface.

Subnet

The subnet in which to create the network interface.



Private IPv4 address

The private IPv4 address to assign to the network interface.

☒ Auto-assign☐ Custom

Elastic Fabric Adapter

☐ Enable

► **Advanced settings**

Security groups (1/5) [Info](#)

**1**

	Group ID	Group name	Description
<input type="checkbox"/>	sg-038d5fe2d8997f799	launch-wizard-3	launch-wizard-3 created 2024...
<input type="checkbox"/>	sg-095100de60dfade01	launch-wizard-1	launch-wizard-1 created 2024...
<input type="checkbox"/>	sg-045463424a6349c37	launch-wizard-2	launch-wizard-2 created 2024...
<input type="checkbox"/>	sg-01545156419f4c47e	launch-wizard-4	launch-wizard-4 created 2024...
<input checked="" type="checkbox"/>	sg-0be425e94b1ec3109	default	default VPC security group

Tags - *optional*

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

No tags associated with the resource.

Add new tag

You can add 50 more tags

Cancel

Create network interface

Network interfaces (2) <small>Info</small>							
<div> <input type="text" value="Search"/> <div> <div>Refresh</div> <div>Actions</div> <div>Create network interface</div> </div> </div> <div> <div>< 1 ></div> <div>ⓘ</div> </div>							
<input type="checkbox"/>	Name	Network interface ID	Subnet ID	VPC ID	Availability Zone	Security group n...	Security group IDs
<input type="checkbox"/>		eni-0bba98e04c64c587a	subnet-0083395f43cbe6d66	vpc-0e9807d05719dc119	ca-central-1a	default	sg-0be425e94b1ec3...

Q.2

[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

ec2

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

Recents

Quick Start

Amazon Linux

aws

Ubuntu

ubuntu

Windows

Microsoft

Red Hat

Red Hat

SUSE Linux

SUSE Linux

Debi

Debi

Q

Browse more AMIs

including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI

Free tier eligible

ami-0c00c714c7f84b49d (64-bit (x86), uefi-preferred) / ami-0ac160153cb38b44e (64-bit (Arm), uefi)

Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Amazon Linux 2023 AMI 2023.3.20240122.0 x86_64 HVM kernel-6.1

Architecture

Boot mode

AMI ID

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

Instance type

t2.micro

Free tier eligible

Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand RHEL base pricing: 0.0728 USD per Hour
On-Demand Windows base pricing: 0.0174 USD per Hour
On-Demand SUSE base pricing: 0.0128 USD per Hour
On-Demand Linux base pricing: 0.0128 USD per Hour

☐ All generations

[Compare instance types](#)

Additional costs apply for AMIs with pre-installed software

▼ 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*

login-key

[Create new key pair](#)

▼ Network settings [Info](#)

VPC - *required* [Info](#)

vpc-0e9807d05719dc119
172.31.0.0/16

(default)



Subnet [Info](#)

subnet-0083395f43cbe6d66

VPC: vpc-0e9807d05719dc119 Owner: 715621822765
Availability Zone: ca-central-1a IP addresses available: 4089 CIDR: 172.31.16.0/20



[Create new subnet](#)

Auto-assign public IP [Info](#)

Enable

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

Common security groups [Info](#)

Select security groups



[Compare security group rules](#)

Security groups that you add or remove here will be added to or removed from all your network interfaces.

► **Advanced network configuration**

▼ Advanced network configuration

Network interface 1

Device index

Info

0

Network interface

Info

eni-0bba98e04c64c587a

Description

Info

Subnet

Info

Select

Security groups

Info

Select security groups

Primary IP

Info

Secondary IP

Info

Select

IPv6 IPs

Info

Select

IPv4 Prefixes

Info

Select

IPv6 Prefixes

Info

Select

Assign Primary IPv6 IP

Info

Select

Delete on termination

Info

Select

Elastic Fabric Adapter

Info

Enable

The selected instance type does not support EFA.

ENA Express

Info

Select

The selected instance type does not support ENA Express.

ENA Express UDP

Info

Select

The selected instance type does not support ENA Express.

Add network interface

EC2 > Instances > i-02e686c47ecca7b74

Instance summary for i-02e686c47ecca7b74 (ec2)

Info

Refresh

Connect

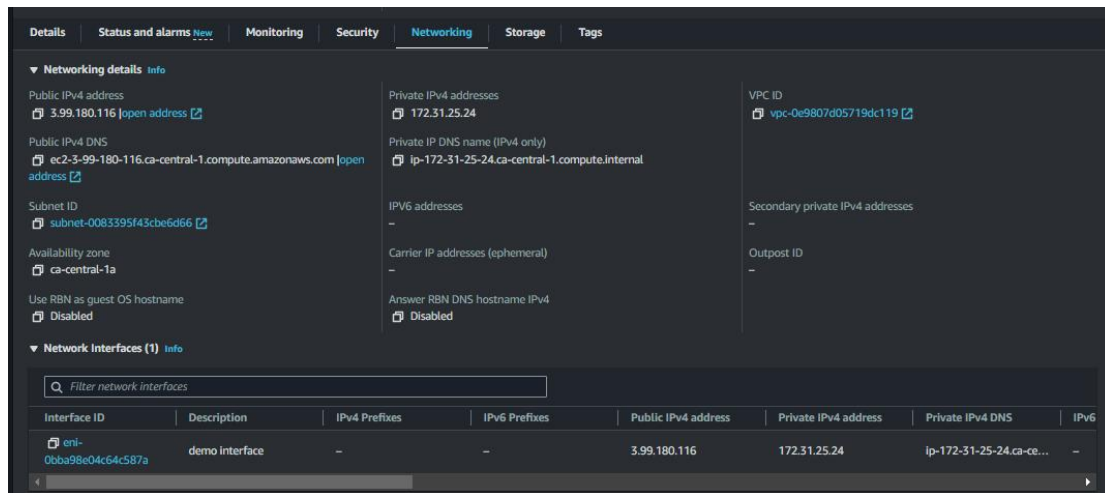
Instance state

Actions

Updated less than a minute ago

<div>Instance ID</div> <div>i-02e686c47ecca7b74 (ec2)</div>	<div>Public IPv4 address</div> <div>3.99.180.116 open address</div>	<div>Private IPv4 addresses</div> <div>172.31.25.24</div>
<div>IPv6 address</div> <div>-</div>	<div>Instance state</div> <div>Running</div>	<div>Public IPv4 DNS</div> <div>ec2-3-99-180-116.ca-central-1.compute.amazonaws.com open address</div>
<div>Hostname type</div> <div>IP name: ip-172-31-25-24.ca-central-1.compute.internal</div>	<div>Private IP DNS name (IPv4 only)</div> <div>ip-172-31-25-24.ca-central-1.compute.internal</div>	<div>Elastic IP addresses</div> <div>-</div>
<div>Answer private resource DNS name</div> <div>-</div>	<div>Instance type</div> <div>t2.micro</div>	<div>AWS Compute Optimizer finding</div> <div> Opt-in to AWS Compute Optimizer for recommendations. Learn more </div>
<div>Auto-assigned IP address</div> <div>3.99.180.116 [Public IP]</div>	<div>VPC ID</div> <div>vpc-0e9807d05719dc119</div>	<div>Auto Scaling Group name</div> <div>-</div>
<div>IAM Role</div> <div>-</div>	<div>Subnet ID</div> <div>subnet-0083395f43cbe6d66</div>	
<div>IMDSv2</div> <div>Required</div>		

Q.3



CLI:

1. Create Network Interface (NIC) using AWS CLI:

- Use the AWS CLI to create a new Network Interface (NIC) in a specific VPC and subnet.
- Associate the NIC with a security group.
- Note down the Private IP address assigned to the NIC.

2. Launch EC2 Instance and Associate NIC using AWS CLI:

- Use the AWS CLI to launch a new EC2 instance.
- During the instance launch, associate the previously created NIC with the instance.
- Confirm that the instance has the expected private IP address.

3. Verify Network Interface Configuration using AWS CLI:

- Use the AWS CLI to check the details of the associated NIC and the EC2 instance.
- Confirm the network interface configuration.

```

root@Nilam:~# aws ec2 create-network-interface --subnet-id subnet-0083395f43cbe6d66 --description "My NIC" --groups sg-095100de60dfade01
{
  "NetworkInterface": {
    "AvailabilityZone": "ca-central-1a",
    "Description": "My NIC",
    "Groups": [
      {
        "GroupName": "launch-wizard-1",
        "GroupId": "sg-095100de60dfade01"
      }
    ],
    "InterfaceType": "interface",
    "Ipv6Addresses": [],
    "MacAddress": "02:10:2c:3b:f5:fa",
    "NetworkInterfaceId": "eni-0f530a59cf9f7225c",
    "OwnerId": "715621822765",
    "PrivateDnsName": "ip-172-31-25-139.ca-central-1.compute.internal",
    "PrivateIpAddress": "172.31.25.139",
    "PrivateIpAddresses": [
      {
        "Primary": true,
        "PrivateDnsName": "ip-172-31-25-139.ca-central-1.compute.internal",
        "PrivateIpAddress": "172.31.25.139"
      }
    ],
    "RequesterId": "AIDA2NHTCOEW7GEW5TINF",
    "RequesterManaged": false,
    "SourceDestCheck": true,
    "Status": "pending",
    "SubnetId": "subnet-0083395f43cbe6d66",
    "TagSet": [],
  }
}

```

Q.2

```

root@Nilam:~# aws ec2 run-instances --image-id ami-0c00c714c7f84b49d --key-name login-key --instance-type t2.micro --security-group-ids sg-038d5fe2d8997f799 --associate-public-ip-address --subnet-id subnet-0083395f43cbe6d66 --private-ip-address 172.31.25.140 --tag-specifications 'ResourceType=instance,Tags=[{Key=Name,Value=Instance-1}]'
{
  "Groups": [],
  "Instances": [
    {
      "AmiLaunchIndex": 0,
      "ImageId": "ami-0c00c714c7f84b49d",
      "InstanceId": "i-0f0b84c4fd28c5fcb",
      "InstanceType": "t2.micro",
      "KeyName": "login-key",
      "LaunchTime": "2024-01-23T07:09:08+00:00",
      "Monitoring": {
        "State": "disabled"
      },
      "Placement": {
        "AvailabilityZone": "ca-central-1a",
        "GroupName": "",
        "Tenancy": "default"
      },
      "PrivateDnsName": "ip-172-31-25-140.ca-central-1.compute.internal",
      "PrivateIpAddress": "172.31.25.140",
      "ProductCodes": [],
      "PublicDnsName": "",
      "State": {
        "Code": 0,
        "Name": "pending"
      },
      "StateTransitionReason": ""
    }
  ]
}

```

```
      "Name": "pending"
    },
    "StateTransitionReason": "",
    "SubnetId": "subnet-0083395f43cbe6d66",
    "VpcId": "vpc-0e9807d05719dc119",
    "Architecture": "x86_64",
    "BlockDeviceMappings": [],
    "ClientToken": "f077e837-4055-4e48-9ccc-fd9ebded1032",
    "EbsOptimized": false,
    "EnaSupport": true,
    "Hypervisor": "xen",
    "NetworkInterfaces": [
      {
        "Attachment": {
          "AttachTime": "2024-01-23T07:09:08+00:00",
          "AttachmentId": "eni-attach-0224893e46e94284e",
          "DeleteOnTermination": true,
          "DeviceIndex": 0,
          "Status": "attaching",
          "NetworkCardIndex": 0
        },
        "Description": "",
        "Groups": [
          {
            "GroupName": "launch-wizard-3",
            "GroupId": "sg-038d5fe2d8997f799"
          }
        ],
        "Ipv6Addresses": [],
        "MacAddress": "02:32:2b:b1:fa:0a",
        "NetworkInterfaceId": "eni-0307e5548df081777",
        "OwnerId": "715621822765",
```



```
    "MacAddress": "02:32:2b:b1:fa:0a",
    "NetworkInterfaceId": "eni-0307e5548df081777",
    "OwnerId": "715621822765",
    "PrivateDnsName": "ip-172-31-25-140.ca-central-1.compute.internal",
    "PrivateIpAddress": "172.31.25.140",
    "PrivateIpAddresses": [
      {
        "Primary": true,
        "PrivateDnsName": "ip-172-31-25-140.ca-central-1.compute.internal",
        "PrivateIpAddress": "172.31.25.140"
      }
    ],
    "SourceDestCheck": true,
    "Status": "in-use",
    "SubnetId": "subnet-0083395f43cbe6d66",
    "VpcId": "vpc-0e9807d05719dc119",
    "InterfaceType": "interface"
  }
],
"RootDeviceName": "/dev/xvda",
"RootDeviceType": "ebs",
"SecurityGroups": [
  {
    "GroupName": "launch-wizard-3",
    "GroupId": "sg-038d5fe2d8997f799"
  }
],
"SourceDestCheck": true,
"StateReason": {
  "Code": "pending",
  "Message": "pending"
},
}
```

```

        "Code": "pending",
        "Message": "pending"
    },
    "Tags": [
        {
            "Key": "Name",
            "Value": "Instance-1"
        }
    ],
    "VirtualizationType": "hvm",
    "CpuOptions": {
        "CoreCount": 1,
        "ThreadsPerCore": 1
    },
    "CapacityReservationSpecification": {
        "CapacityReservationPreference": "open"
    },
    "MetadataOptions": {
        "State": "pending",
        "HttpTokens": "required",
        "HttpPutResponseHopLimit": 2,
        "HttpEndpoint": "enabled",
        "HttpProtocolIpv6": "disabled",
        "InstanceMetadataTags": "disabled"
    },
    "EnclaveOptions": {
        "Enabled": false
    },
    "BootMode": "uefi-preferred",
    "PrivateDnsNameOptions": {
        "HostnameType": "ip-name",
        "EnableResourceNameDnsARecord": false,

```

```

        "PrivateDnsNameOptions": {
            "HostnameType": "ip-name",
            "EnableResourceNameDnsARecord": false,
            "EnableResourceNameDnsAAAARecord": false
        },
        "MaintenanceOptions": {
            "AutoRecovery": "default"
        },
        "CurrentInstanceBootMode": "legacy-bios"
    }
},
"OwnerId": "715621822765",
"ReservationId": "r-0221ec6512867613f"
}
(END)

```

```

root@Nilam:~# aws ec2 attach-network-interface --network-interface-id eni-0bba98e04c64c587a --instance-id i-0f0b84c4fd28c5fcb --device-index 1
{
  "AttachmentId": "eni-attach-0dc19b8dfbaf491c4",
  "NetworkCardIndex": 0
}
root@Nilam:~#

```

Q.3

```
root@Nilam:~# aws ec2 describe-network-interfaces --network-interface-ids eni-0bba98e04c64c587a
{
  "NetworkInterfaces": [
    {
      "Attachment": {
        "AttachTime": "2024-01-23T07:18:03+00:00",
        "AttachmentId": "eni-attach-0dc19b8dfbaf491c4",
        "DeleteOnTermination": false,
        "DeviceIndex": 1,
        "NetworkCardIndex": 0,
        "InstanceId": "i-0f0b84c4fd28c5fcb",
        "InstanceOwnerId": "715621822765",
        "Status": "attached"
      },
      "AvailabilityZone": "ca-central-1a",
      "Description": "demo interface",
      "Groups": [
        {
          "GroupName": "default",
          "GroupId": "sg-0be425e94b1ec3109"
        }
      ],
      "InterfaceType": "interface",
      "Ipv6Addresses": [],
      "MacAddress": "02:23:23:74:0d:92",
      "NetworkInterfaceId": "eni-0bba98e04c64c587a",
      "OwnerId": "715621822765",
      "PrivateDnsName": "ip-172-31-25-24.ca-central-1.compute.internal",
      "PrivateIpAddress": "172.31.25.24",
      "PrivateIpAddresses": [
        {
          "PrivateDnsName": "ip-172-31-25-24.ca-central-1.compute.internal",
          "PrivateIpAddress": "172.31.25.24",
          "PrivateIpAddresses": [
            {
              "Primary": true,
              "PrivateDnsName": "ip-172-31-25-24.ca-central-1.compute.internal",
              "PrivateIpAddress": "172.31.25.24"
            }
          ]
        }
      ],
      "RequesterManaged": false,
      "SourceDestCheck": true,
      "Status": "in-use",
      "SubnetId": "subnet-0083395f43cbe6d66",
      "TagSet": [],
      "VpcId": "vpc-0e9807d05719dc119"
    }
  ]
}
(END)
```

QUESTION NO: 01

Hibernate Instance

Console:

1. Hibernate EC2 Instance on Console:

- Launch a new EC2 instance using the AWS Management Console.
- Access the console to hibernate the running instance.
- Confirm the status change to "hibernating."

2. Resume Hibernated EC2 Instance:

- Resume the hibernated instance using the console.
- Confirm the instance state changes to "running."

3. Verify Instance State:

- Check the instance state using the console to ensure successful hibernation and resumption.

CLI:

1. Hibernate EC2 Instance using AWS CLI:

- Use the AWS CLI to launch a new EC2 instance.
- Use the AWS CLI to hibernate the running instance.
- Confirm the status change to "hibernating."

2. Resume Hibernated EC2 Instance using AWS CLI:

- Use the AWS CLI to resume the hibernated instance.
- Confirm the instance state changes to "running."

3. Verify Instance State using AWS CLI:

- Use the AWS CLI to check the instance state and ensure successful hibernation and resumption.

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

Recents


Quick Start




Amazon Linux




Ubuntu




Windows




Red Hat



SUSE Linux



Debi



[Browse more AMIs](#)

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI

Free tier eligible ▼

ami-0c00c714c7f84b49d (64-bit (x86), uefi-preferred) / ami-0ac160153cb38b44e (64-bit (Arm), uefi)
Virtualization: hvm ENA enabled: true Root device type: ebs

▼ Instance type

Info | Get advice

Instance type

t2.micro

Free tier eligible

Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand RHEL base pricing: 0.0728 USD per Hour
On-Demand Windows base pricing: 0.0174 USD per Hour
On-Demand SUSE base pricing: 0.0128 USD per Hour
On-Demand Linux base pricing: 0.0128 USD per Hour

All generations

Compare instance types

Additional costs apply for AMIs with pre-installed software

▼ 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

login-key

Create new key pair

▼ Network settings

Info

VPC - required

Info

vpc-0e9807d05719dc119

(default)

172.31.0.0/16

Create new VPC

Subnet

Info

subnet-0083395f43cbe6d66

VPC: vpc-0e9807d05719dc119 Owner: 715621822765
Availability Zone: ca-central-1a IP addresses available: 4090 CIDR: 172.31.16.0/20

Create new subnet

Auto-assign public IP

Info

Enable

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

Common security groups

Info

Select security groups

Compare security group rules

Security groups that you add or remove here will be added to or removed from all your network interfaces.

► Advanced network configuration

▼

Volume 2 (Custom)

Remove

Storage type

Info

EBS

Device name - required

Info

/dev/sdb

Snapshot

Info

snap-05898335b891f3500

Size (GiB)

Info

8

Volume type

Info

gp3

IOPS

Info

3000

Delete on termination

Info

No

Encrypted

Info

Encrypted

KMS key

Info

(default) aws/ebs

Key ID: d15d50c9-5401-4e42-8...

Throughput

Info

125

Add new volume

Instance auto-recovery

Info

Select

Shutdown behavior

Info

Stop

Stop - Hibernate behavior

Info

Enable

To enable hibernation, space is allocated on the root volume to store the instance memory (RAM). Make sure that the root volume is large enough to store the RAM contents and accommodate your expected usage, e.g. OS, applications. To use hibernation, the root volume must be an encrypted EBS volume. [Learn more](#)

Termination protection

Info

Select

```

root@Nilam:~# aws ec2 run-instances --image-id ami-0c00c714c7f84b49d --instance-type t2.micro --key-name login-key --subnet-id subnet-0083395f43cbe6d66 --hibernation-options Configured=true --block-device-mappings '[{"DeviceName":"/dev/xvda","Ebs":{"VolumeSize":30,"VolumeType":"gp2","Encrypted":true}}]' --tag-specifications 'ResourceType=instance,Tags=[{Key=Name,Value=MY-HIBERNATE-INSTANCE}]'
{
  "Groups": [],
  "Instances": [
    {
      "AmiLaunchIndex": 0,
      "ImageId": "ami-0c00c714c7f84b49d",
      "InstanceId": "i-034b44db7afb2e9bc",
      "InstanceType": "t2.micro",
      "KeyName": "login-key",
      "LaunchTime": "2024-01-23T06:38:06+00:00",
      "Monitoring": {
        "State": "disabled"
      },
      "Placement": {
        "AvailabilityZone": "ca-central-1a",
        "GroupName": "",
        "Tenancy": "default"
      },
      "PrivateDnsName": "ip-172-31-28-138.ca-central-1.compute.internal",
      "PrivateIpAddress": "172.31.28.138",
      "ProductCodes": [],
      "PublicDnsName": "",
      "State": {
        "Code": 0,
        "Name": "pending"
      },
      "StateTransitionReason": ""
    }
  ]
}

```

```

    },
    "StateTransitionReason": "",
    "SubnetId": "subnet-0083395f43cbe6d66",
    "VpcId": "vpc-0e9807d05719dc119",
    "Architecture": "x86_64",
    "BlockDeviceMappings": [],
    "ClientToken": "0aeacb34-236c-426f-b299-ff6d4b3955d3",
    "EbsOptimized": false,
    "EnaSupport": true,
    "Hypervisor": "xen",
    "NetworkInterfaces": [
      {
        "Attachment": {
          "AttachTime": "2024-01-23T06:38:06+00:00",
          "AttachmentId": "eni-attach-02c4aefd3429f8f71",
          "DeleteOnTermination": true,
          "DeviceIndex": 0,
          "Status": "attaching",
          "NetworkCardIndex": 0
        },
        "Description": "",
        "Groups": [
          {
            "GroupName": "default",
            "GroupId": "sg-0be425e94b1ec3109"
          }
        ],
        "Ipv6Addresses": [],
        "MacAddress": "02:b3:e8:d5:28:2e",
        "NetworkInterfaceId": "eni-0ae2349cbfb88021b",
        "OwnerId": "715621822765",
        "PrivateDnsName": "ip-172-31-28-138.ca-central-1.compute.internal",

```

```

        "Primary": true,
        "PrivateDnsName": "ip-172-31-28-138.ca-central-1.compute.internal",
        "PrivateIpAddress": "172.31.28.138"
      }
    ],
    "SourceDestCheck": true,
    "Status": "in-use",
    "SubnetId": "subnet-0083395f43cbe6d66",
    "VpcId": "vpc-0e9807d05719dc119",
    "InterfaceType": "interface"
  }
],
"RootDeviceName": "/dev/xvda",
"RootDeviceType": "ebs",
"SecurityGroups": [
  {
    "GroupName": "default",
    "GroupId": "sg-0be425e94b1ec3109"
  }
],
"SourceDestCheck": true,
"StateReason": {
  "Code": "pending",
  "Message": "pending"
},
"Tags": [
  {
    "Key": "Name",
    "Value": "MY-HIBERNATE-INSTANCE"
  }
],
"VirtualizationType": "hvm",

```



```

    "VirtualizationType": "hvm",
    "CpuOptions": {
        "CoreCount": 1,
        "ThreadsPerCore": 1
    },
    "CapacityReservationSpecification": {
        "CapacityReservationPreference": "open"
    },
    "HibernationOptions": {
        "Configured": true
    },
    "MetadataOptions": {
        "State": "pending",
        "HttpTokens": "required",
        "HttpPutResponseHopLimit": 2,
        "HttpEndpoint": "enabled",
        "HttpProtocolIpv6": "disabled",
        "InstanceMetadataTags": "disabled"
    },
    "EnclaveOptions": {
        "Enabled": false
    },
    "BootMode": "uefi-preferred",
    "PrivateDnsNameOptions": {
        "HostnameType": "ip-name",
        "EnableResourceNameDnsARecord": false,
        "EnableResourceNameDnsAAAARecord": false
    },
    "MaintenanceOptions": {
        "AutoRecovery": "default"
    },
    "CurrentInstanceBootMode": "legacy-bios"

```

```

        "InstanceMetadataTags": "disabled"
    },
    "EnclaveOptions": {
        "Enabled": false
    },
    "BootMode": "uefi-preferred",
    "PrivateDnsNameOptions": {
        "HostnameType": "ip-name",
        "EnableResourceNameDnsARecord": false,
        "EnableResourceNameDnsAAAARecord": false
    },
    "MaintenanceOptions": {
        "AutoRecovery": "default"
    },
    "CurrentInstanceBootMode": "legacy-bios"
}
],
"OwnerId": "715621822765",
"ReservationId": "r-0fa7d802f63aa2756"
}

```

(END)

```
root@Nilam:~# aws ec2 stop-instances --instance-ids i-034b44db7afb2e9bc --hibernate
{
  "StoppingInstances": [
    {
      "CurrentState": {
        "Code": 64,
        "Name": "stopping"
      },
      "InstanceId": "i-034b44db7afb2e9bc",
      "PreviousState": {
        "Code": 16,
        "Name": "running"
      }
    }
  ]
}
root@Nilam:~#
```

```
root@Nilam:~# aws ec2 start-instances --instance-ids i-034b44db7afb2e9bc
{
  "StartingInstances": [
    {
      "CurrentState": {
        "Code": 0,
        "Name": "pending"
      },
      "InstanceId": "i-034b44db7afb2e9bc",
      "PreviousState": {
        "Code": 80,
        "Name": "stopped"
      }
    }
  ]
}
root@Nilam:~#
```

```
root@Nilam:~# aws ec2 describe-instances --instance-ids i-034b44db7afb2e9bc --query 'Reservations[*].Instances[*].[InstanceId,State.Name]'
[
  [
    [
      "i-034b44db7afb2e9bc",
      "running"
    ]
  ]
]
root@Nilam:~#
```