***Everyone***

**AWS Hands-On Assignment 04**  
**(On Console and CLI)**

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**QUESTION NO: 01**

**Console**

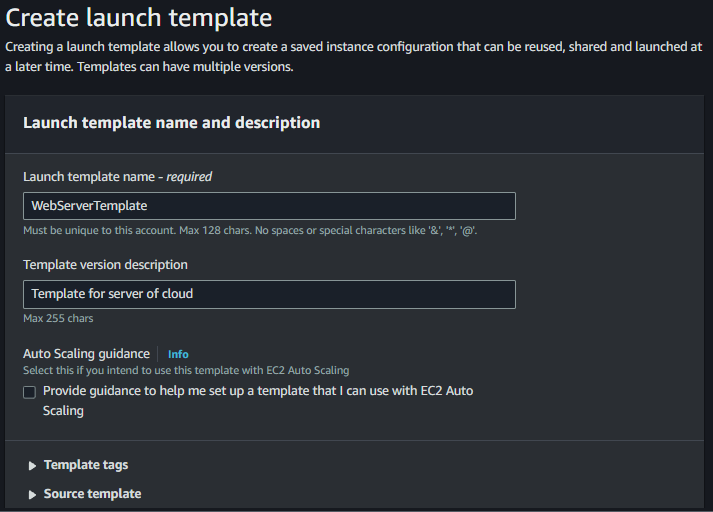
1. Create Launch Template on Console:  
   - Navigate to the EC2 dashboard on the AWS Management Console.  
   - Create a launch template named "WebServerTemplate."  
   - Specify configurations such as instance type, key pair, and any additional settings.

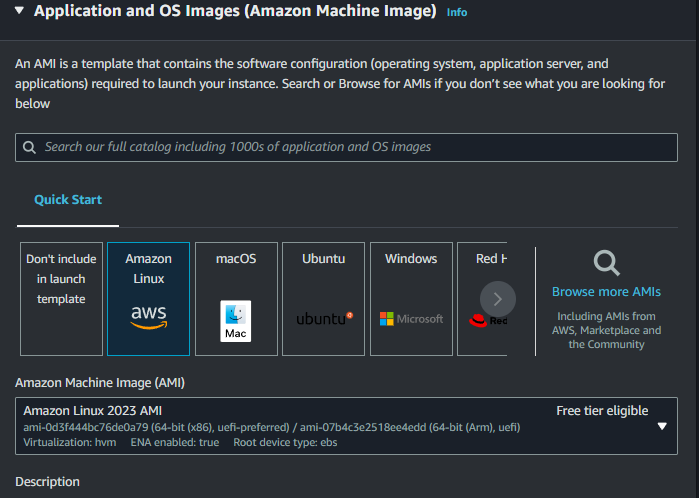
2. Launch Instance Using Launch Template:  
   - Use the launch template "WebServerTemplate" to launch an EC2 instance.  
   - Verify the successful launch of the instance.

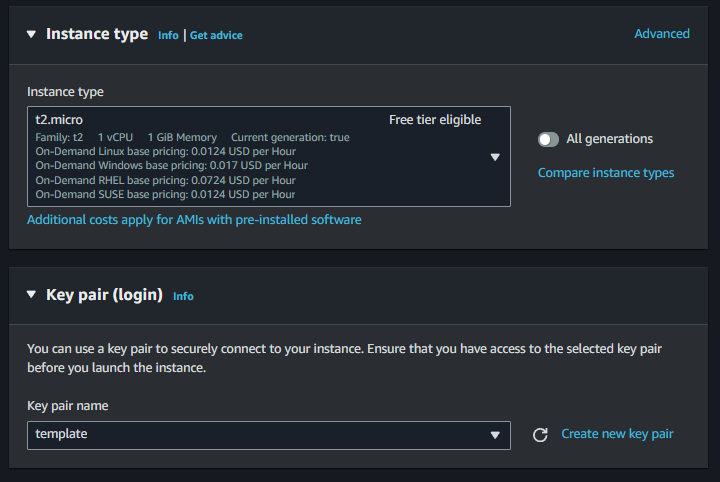
3. Modify Launch Template:  
   - Modify the launch template to change the instance type or any other parameter.  
   - Use the modified template to launch another instance.

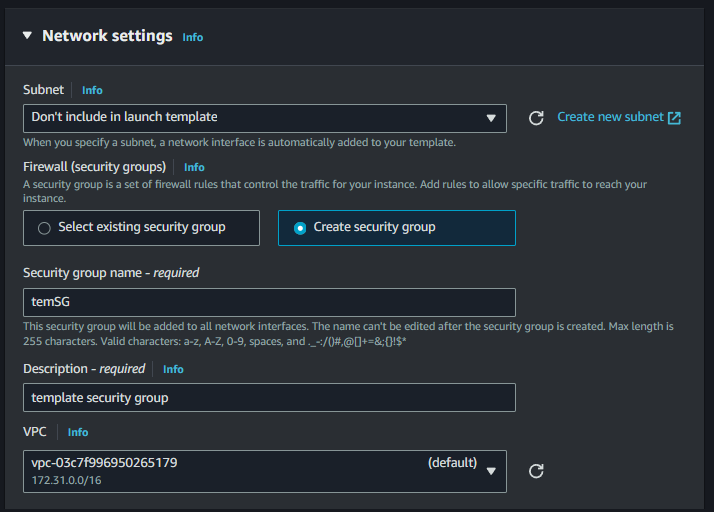
4. Documentation:  
   - Provide a step-by-step guide with screenshots for creating, launching, and modifying instances using the launch template.  
   - Include outputs or confirmation messages from the console.

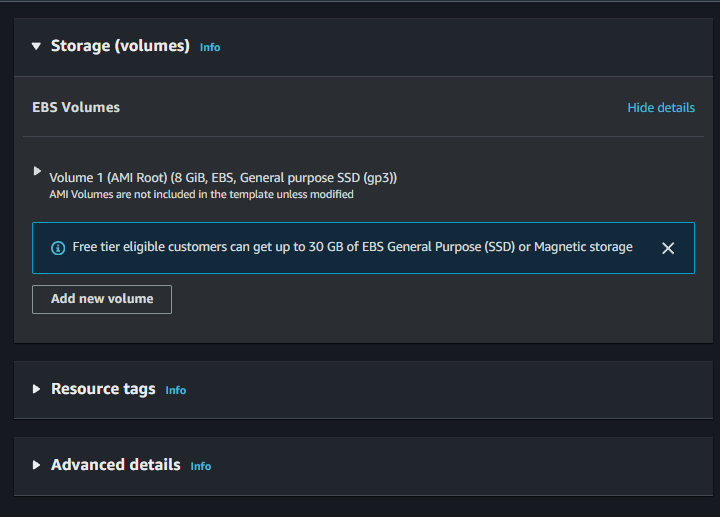
**ANS:**

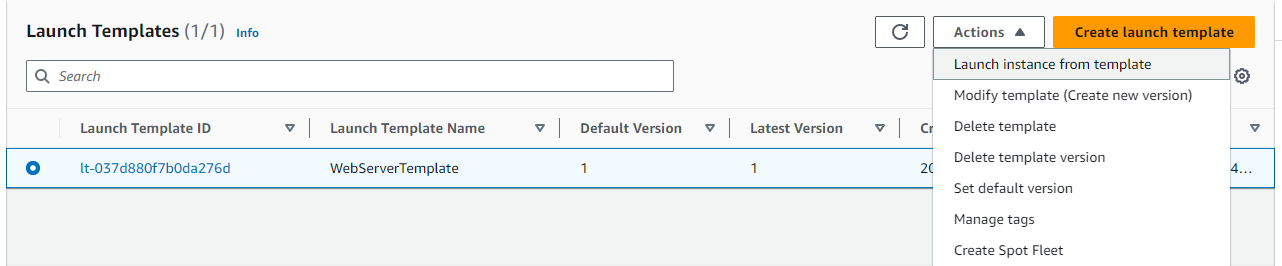




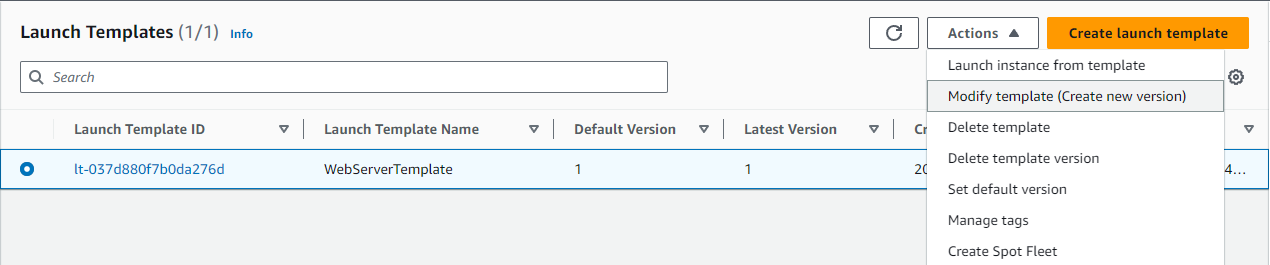


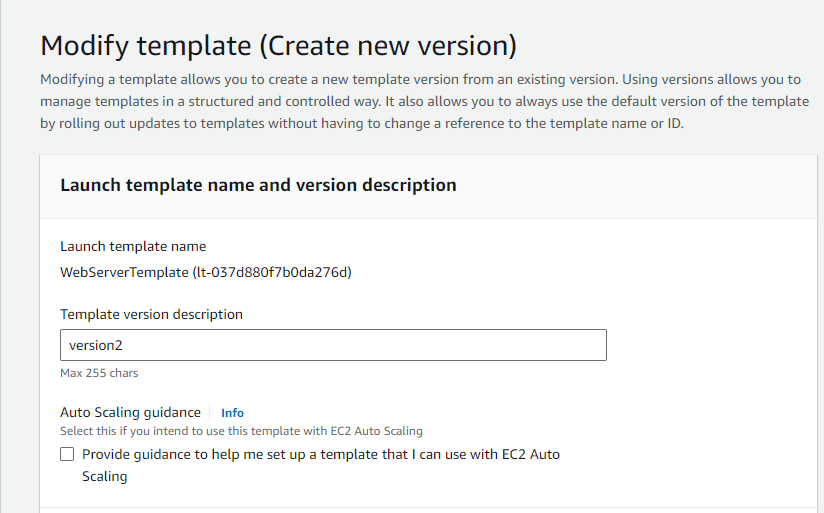


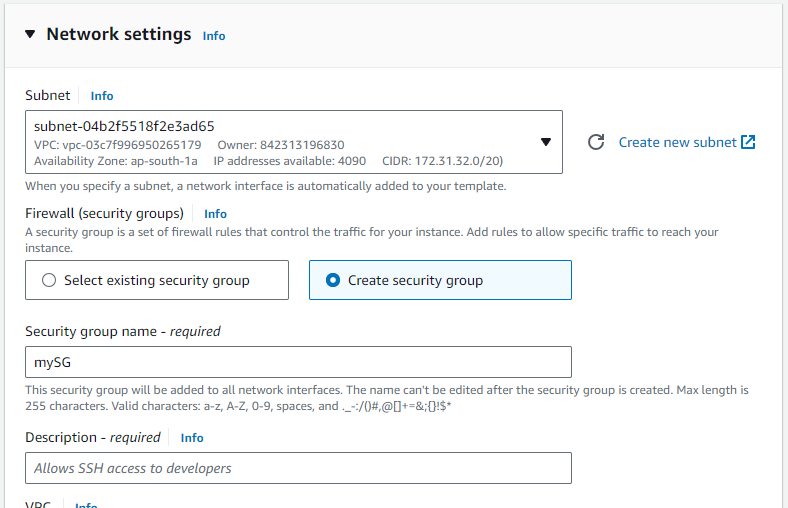


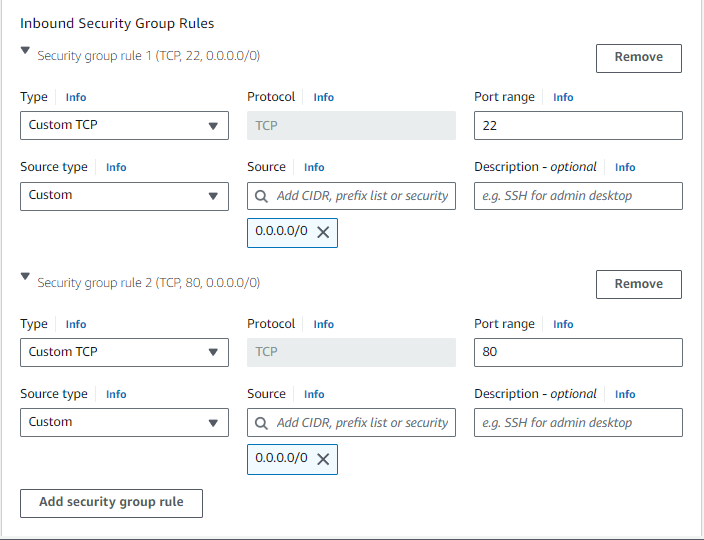


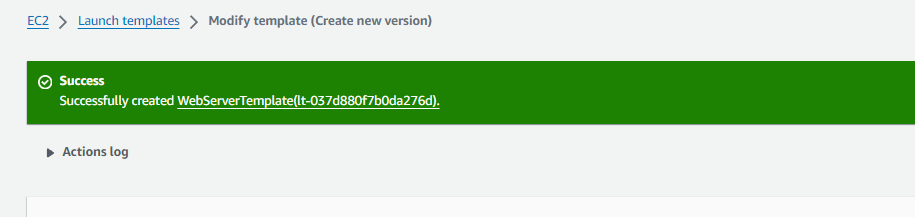


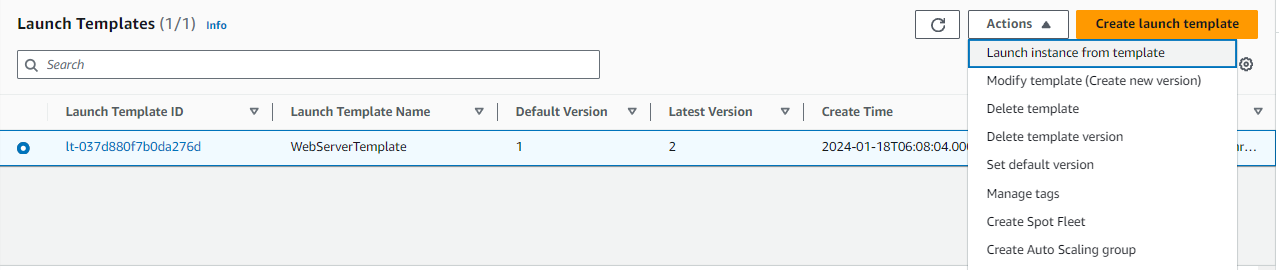


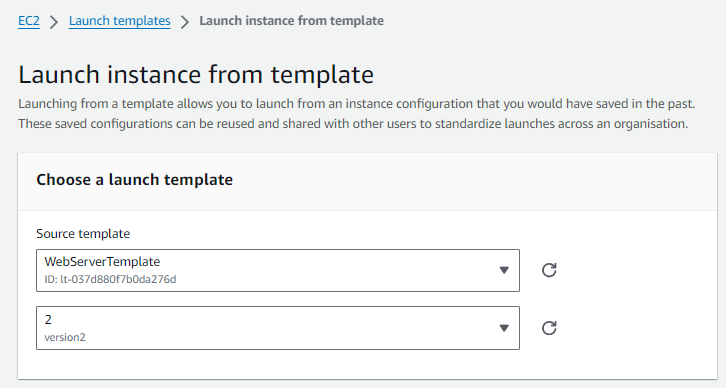


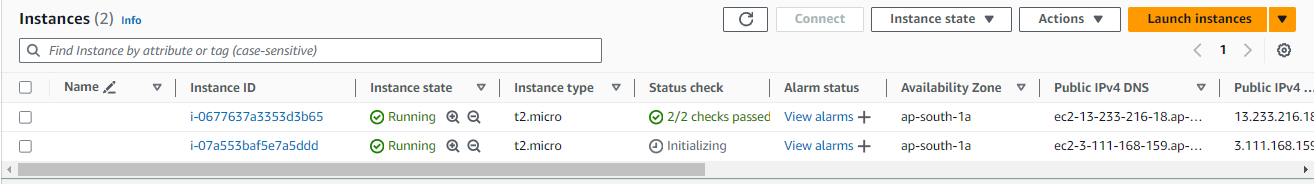












**CLI**

1. Create Launch Template using AWS CLI:  
   - Use the AWS CLI to create a launch template named "WebServerTemplate" with specified configurations.  
   - Confirm the creation of the launch template.

2. Launch Instance Using Launch Template:  
   - Use the AWS CLI to launch an EC2 instance using the "WebServerTemplate."  
   - Confirm the successful launch of the instance.

3. Modify Launch Template using AWS CLI:  
   - Use the AWS CLI to modify the launch template, e.g., change the instance type.  
   - Use the modified template to launch another instance.

4. Documentation:  
   - Provide a document with AWS CLI commands for creating, launching, and modifying instances using the launch template.  
   - Include any relevant outputs or confirmation messages.  
**Ans:**

root@DESKTOP-Q1VPUEC:~# aws ec2 create-launch-template --launch-template-name mytemplate --version-description version1 --launch-template-data '{"NetworkInterfaces":[{"AssociatePublicIpAddress":true,"DeviceIndex":0,"SubnetId":"subnet-04b2f5518f2e3ad65"}],"ImageId":"ami-0d3f444bc76de0a79","InstanceType":"t2.micro","TagSpecifications":[{"ResourceType":"instance","Tags":[{"Key":"purpose","Value":"webserver"}]}]}'

{

"LaunchTemplate": {

"LaunchTemplateId": "lt-03796f71d10754cea",

"LaunchTemplateName": "mytemplate",

"CreateTime": "2024-01-18T10:02:19.000Z",

"CreatedBy": "arn:aws:iam::842313196830:user/kamran",

"DefaultVersionNumber": 1,

"LatestVersionNumber": 1

}

}

root@DESKTOP-Q1VPUEC:~# aws ec2 run-instances --launch-template LaunchTemplateName=mytemplate

{

"Groups": [],

"Instances": [

{

"AmiLaunchIndex": 0,

"ImageId": "ami-0d3f444bc76de0a79",

"InstanceId": "i-088e9a99293feb10c",

"InstanceType": "t2.micro",

"LaunchTime": "2024-01-18T10:03:55.000Z",

"Monitoring": {

"State": "disabled"

},

"Placement": {

"AvailabilityZone": "ap-south-1a",

"GroupName": "",

"Tenancy": "default"

},

"PrivateDnsName": "ip-172-31-38-28.ap-south-1.compute.internal",

"PrivateIpAddress": "172.31.38.28",

"ProductCodes": [],

"PublicDnsName": "",

"State": {

"Code": 0,

"Name": "pending"

},

"StateTransitionReason": "",

"SubnetId": "subnet-04b2f5518f2e3ad65",

"VpcId": "vpc-03c7f996950265179",

"Architecture": "x86\_64",

"BlockDeviceMappings": [],

"ClientToken": "ad67dc77-9ff9-4e53-81e7-a14fcb63e491",

"EbsOptimized": false,

"EnaSupport": true,

"Hypervisor": "xen",

"NetworkInterfaces": [

{

"Attachment": {

"AttachTime": "2024-01-18T10:03:55.000Z",

"AttachmentId": "eni-attach-05f7166be6ac8019f",

"DeleteOnTermination": true,

"DeviceIndex": 0,

"Status": "attaching",

"NetworkCardIndex": 0

},

"Description": "",

"Groups": [

{

"GroupName": "default",

"GroupId": "sg-0f2f43ec49dbd5e51"

}

],

"Ipv6Addresses": [],

"MacAddress": "02:57:5d:1b:82:59",

"NetworkInterfaceId": "eni-07d99e69ad37cb6fb",

"OwnerId": "842313196830",

"PrivateDnsName": "ip-172-31-38-28.ap-south-1.compute.internal",

"PrivateIpAddress": "172.31.38.28",

"PrivateIpAddresses": [

{

"Primary": true,

"PrivateDnsName": "ip-172-31-38-28.ap-south-1.compute.internal",

"PrivateIpAddress": "172.31.38.28"

}

],

"SourceDestCheck": true,

"Status": "in-use",

"SubnetId": "subnet-04b2f5518f2e3ad65",

"VpcId": "vpc-03c7f996950265179",

"InterfaceType": "interface"

}

],

"RootDeviceName": "/dev/xvda",

"RootDeviceType": "ebs",

"SecurityGroups": [

{

"GroupName": "default",

"GroupId": "sg-0f2f43ec49dbd5e51"

}

],

"SourceDestCheck": true,

"StateReason": {

"Code": "pending",

"Message": "pending"

},

"Tags": [

{

"Key": "purpose",

"Value": "webserver"

},

{

"Key": "aws:ec2launchtemplate:id",

"Value": "lt-03796f71d10754cea"

},

{

"Key": "aws:ec2launchtemplate:version",

"Value": "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,

"EnableResourceNameDnsAAAARecord": false

}

}

],

"OwnerId": "842313196830",

"ReservationId": "r-022e2cc4b2ec29ce4"

}

root@DESKTOP-Q1VPUEC:~# aws ec2 create-launch-template-version --launch-template-name mytemplate --version-description "version 2" --source-version 1 --launch-template-data '{"InstanceType": "t2.medium"}'

{

"LaunchTemplateVersion": {

"LaunchTemplateId": "lt-03796f71d10754cea",

"LaunchTemplateName": "mytemplate",

"VersionNumber": 2,

"VersionDescription": "version 2",

"CreateTime": "2024-01-18T10:05:16.000Z",

"CreatedBy": "arn:aws:iam::842313196830:user/kamran",

"DefaultVersion": false,

"LaunchTemplateData": {

"NetworkInterfaces": [

{

"AssociatePublicIpAddress": true,

"DeviceIndex": 0,

"SubnetId": "subnet-04b2f5518f2e3ad65"

}

],

"ImageId": "ami-0d3f444bc76de0a79",

"InstanceType": "t2.medium",

"TagSpecifications": [

{

"ResourceType": "instance",

"Tags": [

{

"Key": "purpose",

"Value": "webserver"

}

]

}

]

}

}

}

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**QUESTION NO: 02**

**Console**

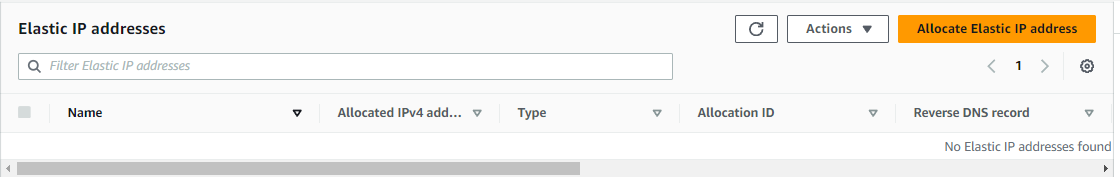
1. Allocate Elastic IP and Associate:  
   - Using the AWS Management Console, allocate an Elastic IP address.  
   - Associate the Elastic IP with an existing running EC2 instance.

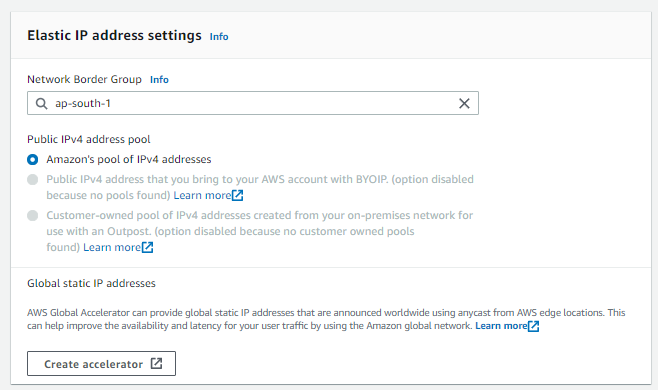
2. Verify Elastic IP Functionality:  
   - Confirm the functionality of the Elastic IP by accessing the associated EC2 instance.  
   - Document any observations or considerations related to Elastic IP usage.

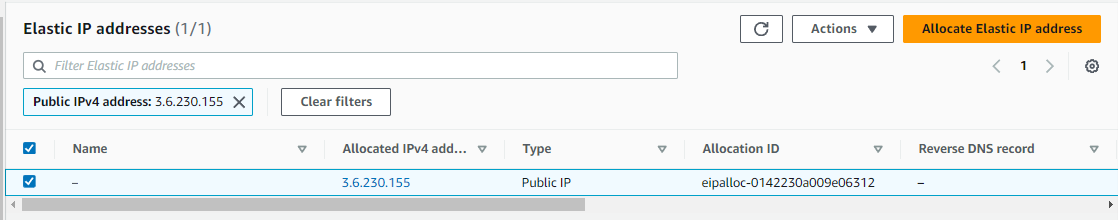
3. Swap Elastic IPs:  
   - Allocate another Elastic IP and swap it with the original Elastic IP.  
   - Document the steps taken and verify the new Elastic IP functionality.

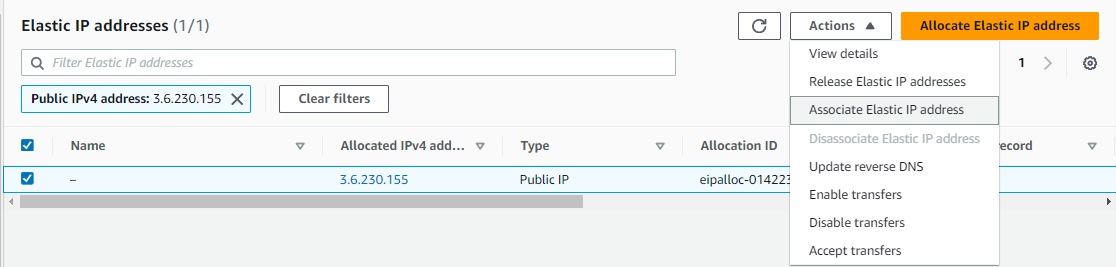
4. Documentation:  
   - Provide a step-by-step guide, including screenshots, for allocating, associating, and swapping Elastic IPs.  
   - Include evidence of the successful verification of Elastic IP functionality.

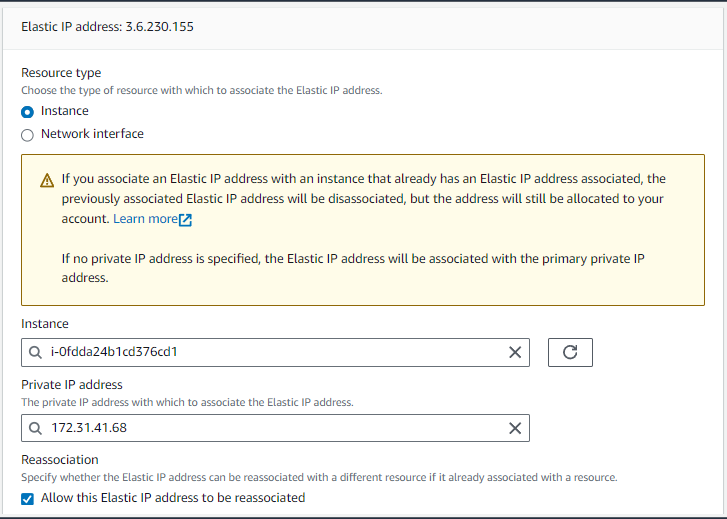
**Ans**

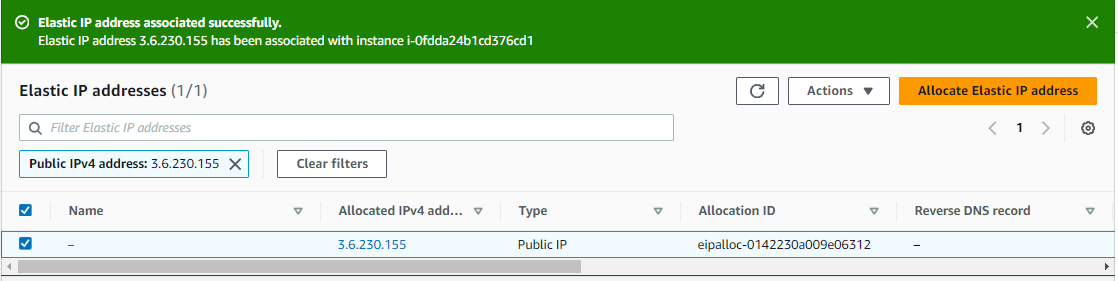


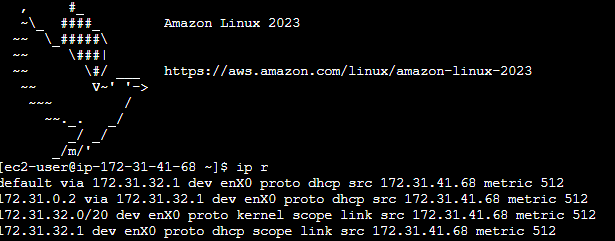




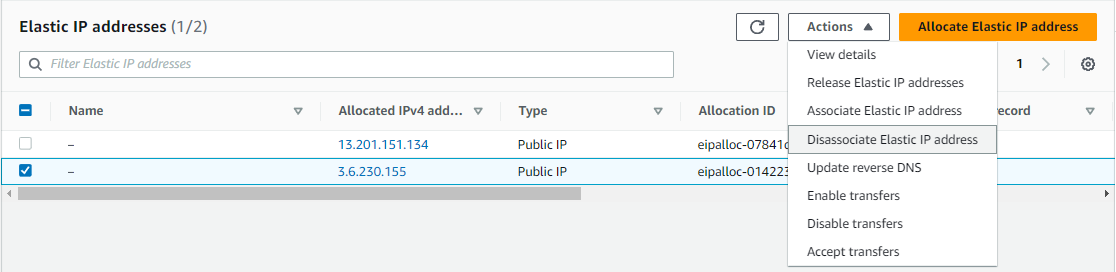




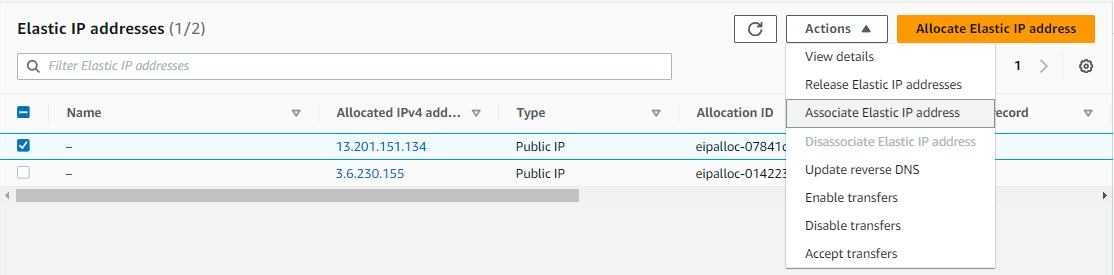


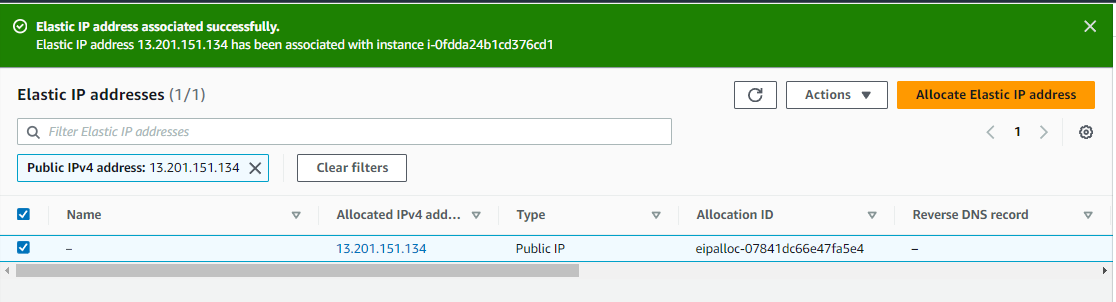


Now disassociating IP to swap it from newly created elastic IP



Associating new eIP to same instance





**CLI**

1. Allocate Elastic IP and Associate using AWS CLI:  
   - Use the AWS CLI to allocate an Elastic IP address.  
   - Associate the Elastic IP with an existing running EC2 instance.

2. Verify Elastic IP Functionality using AWS CLI:  
   - Use the AWS CLI to confirm the functionality of the Elastic IP by accessing the associated EC2 instance.  
   - Document any observations or considerations related to Elastic IP usage.

3. Swap Elastic IPs using AWS CLI:  
   - Use the AWS CLI to allocate another Elastic IP.  
   - Swap the newly allocated Elastic IP with the original one.  
   - Document the steps taken and verify the new Elastic IP functionality.

4. Documentation:  
   - Provide a detailed document with AWS CLI commands for allocating, associating, and swapping Elastic IPs.  
   - Include evidence of the successful verification of Elastic IP functionality.

**Ans:**

root@DESKTOP-Q1VPUEC:~# aws ec2 allocate-address

{

"PublicIp": "13.201.113.52",

"AllocationId": "eipalloc-0adde39a1400a71c6",

"PublicIpv4Pool": "amazon",

"NetworkBorderGroup": "ap-south-1",

"Domain": "vpc"

}

root@DESKTOP-Q1VPUEC:~# aws ec2 associate-address --instance-id i-027be4ec7042b68d5 --allocation-id eipalloc-0adde39a1400a71c6

{

"AssociationId": "eipassoc-04622f339c18d4bec"

}

root@DESKTOP-Q1VPUEC:~# aws ec2 allocate-address --domain vpc --output json

{

"PublicIp": "13.201.155.252",

"AllocationId": "eipalloc-0761e3eb113f88478",

"PublicIpv4Pool": "amazon",

"NetworkBorderGroup": "ap-south-1",

"Domain": "vpc"

}

root@DESKTOP-Q1VPUEC:~# aws ec2 disassociate-address --association-id eipassoc-04622f339c18d4bec

root@DESKTOP-Q1VPUEC:~# aws ec2 allocate-address

{

"PublicIp": "13.200.74.53",

"AllocationId": "eipalloc-0e2ed22df684c9abb",

"PublicIpv4Pool": "amazon",

"NetworkBorderGroup": "ap-south-1",

"Domain": "vpc"

}

root@DESKTOP-Q1VPUEC:~# aws ec2 associate-address --instance-id i-027be4ec7042b68d5 --allocation-id eipalloc-0e2ed22df684c9abb

{

"AssociationId": "eipassoc-0db55ad8faa1379cc"

}

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**QUESTION NO: 03**

**Console**

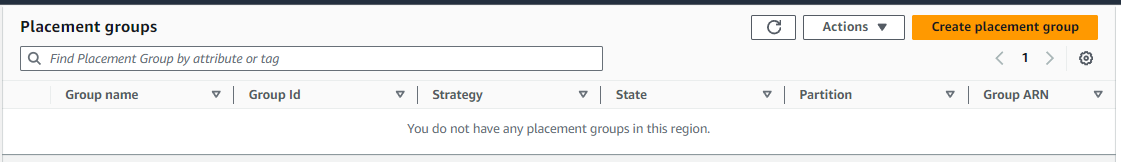
1. Create Partition Placement Group:  
   - Using the AWS Management Console, create a "Partition" placement group.  
   - Ensure it is associated with a specific region.

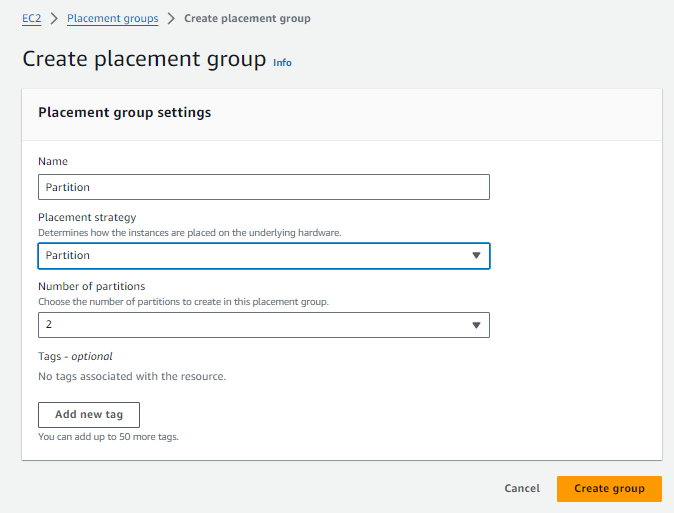
2. Launch Instances into Partition Placement Group:  
   - Launch multiple EC2 instances into the created "Partition" placement group with distinct partition numbers.  
   - Confirm that instances are distributed across partitions.

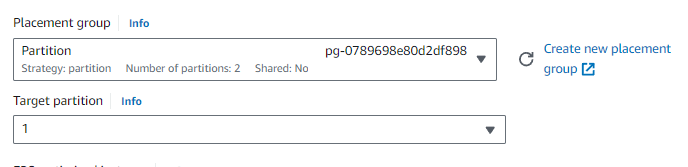
3. Test Isolation:  
   - Use the console to observe the network and resource isolation between instances in different partitions.  
   - Verify that instances in one partition do not share the underlying hardware with instances in other partitions.

4. Documentation:  
   - Provide a step-by-step guide + screenshots, for creating a "Partition" placement group and launching instances into it.  
   - Include observations related to network and resource isolation.

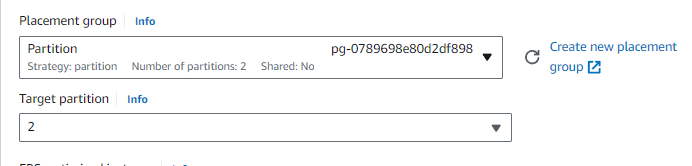
**ANS:**





Created ec2 instance and attached placement groups 1st partition

Created ec2 instance and attached placement groups 2nd partition



Due to aws console error i am doing the observation by cli:

root@DESKTOP-Q1VPUEC:~# aws ec2 describe-instances --filters Name=placement-group-name,Values=Newgroup

{

"Reservations": [

{

"Groups": [],

"Instances": [

{

"AmiLaunchIndex": 0,

"ImageId": "ami-0d3f444bc76de0a79",

"InstanceId": "i-0db2dc429274c90c1",

"InstanceType": "t2.micro",

"KeyName": "18jan",

"LaunchTime": "2024-01-18T06:43:12.000Z",

"Monitoring": {

"State": "disabled"

},

"Placement": {

"AvailabilityZone": "ap-south-1b",

"GroupName": "Newgroup",

"PartitionNumber": 1,

"Tenancy": "default"

},

"PrivateDnsName": "ip-172-31-2-6.ap-south-1.compute.internal",

"PrivateIpAddress": "172.31.2.6",

"ProductCodes": [],

"PublicDnsName": "ec2-3-109-202-221.ap-south-1.compute.amazonaws.com",

"PublicIpAddress": "3.109.202.221",

"State": {

"Code": 16,

"Name": "running"

},

"StateTransitionReason": "",

"SubnetId": "subnet-09cd0b66cff30bbcc",

"VpcId": "vpc-03c7f996950265179",

"Architecture": "x86\_64",

"BlockDeviceMappings": [

{

"DeviceName": "/dev/xvda",

"Ebs": {

"AttachTime": "2024-01-18T06:43:12.000Z",

"DeleteOnTermination": true,

"Status": "attached",

"VolumeId": "vol-0535ba6a5eced6da6"

}

}

],

"ClientToken": "852a14f7-6a29-4e99-94a0-b718c346006d",

"EbsOptimized": false,

"EnaSupport": true,

"Hypervisor": "xen",

"NetworkInterfaces": [

{

"Association": {

"IpOwnerId": "amazon",

"PublicDnsName": "ec2-3-109-202-221.ap-south-1.compute.amazonaws.com",

"PublicIp": "3.109.202.221"

},

"Attachment": {

"AttachTime": "2024-01-18T06:43:12.000Z",

"AttachmentId": "eni-attach-03df38244955ce11a",

"DeleteOnTermination": true,

"DeviceIndex": 0,

"Status": "attached",

"NetworkCardIndex": 0

},

"Description": "",

"Groups": [

{

"GroupName": "launch-wizard-2",

"GroupId": "sg-017d23f1fd7da57dd"

}

],

"Ipv6Addresses": [],

"MacAddress": "0a:1f:fd:91:d7:cb",

"NetworkInterfaceId": "eni-0be0046924ad5e52f",

"OwnerId": "842313196830",

"PrivateDnsName": "ip-172-31-2-6.ap-south-1.compute.internal",

"PrivateIpAddress": "172.31.2.6",

"PrivateIpAddresses": [

{

"Association": {

"IpOwnerId": "amazon",

"PublicDnsName": "ec2-3-109-202-221.ap-south-1.compute.amazonaws.com",

"PublicIp": "3.109.202.221"

},

"Primary": true,

"PrivateDnsName": "ip-172-31-2-6.ap-south-1.compute.internal",

"PrivateIpAddress": "172.31.2.6"

}

],

"SourceDestCheck": true,

"Status": "in-use",

"SubnetId": "subnet-09cd0b66cff30bbcc",

"VpcId": "vpc-03c7f996950265179",

"InterfaceType": "interface"

}

],

"RootDeviceName": "/dev/xvda",

"RootDeviceType": "ebs",

"SecurityGroups": [

{

"GroupName": "launch-wizard-2",

"GroupId": "sg-017d23f1fd7da57dd"

}

],

"SourceDestCheck": true,

"Tags": [

{

"Key": "Name",

"Value": "placement1"

}

],

"VirtualizationType": "hvm",

"CpuOptions": {

"CoreCount": 1,

"ThreadsPerCore": 1

},

"CapacityReservationSpecification": {

"CapacityReservationPreference": "open"

},

"HibernationOptions": {

"Configured": false

},

"MetadataOptions": {

"State": "applied",

"HttpTokens": "required",

"HttpPutResponseHopLimit": 2,

"HttpEndpoint": "enabled",

"HttpProtocolIpv6": "disabled",

"InstanceMetadataTags": "disabled"

},

"EnclaveOptions": {

"Enabled": false

},

"BootMode": "uefi-preferred",

"PlatformDetails": "Linux/UNIX",

"UsageOperation": "RunInstances",

"UsageOperationUpdateTime": "2024-01-18T06:43:12.000Z",

"PrivateDnsNameOptions": {

"HostnameType": "ip-name",

"EnableResourceNameDnsARecord": true,

"EnableResourceNameDnsAAAARecord": false

}

}

],

"OwnerId": "842313196830",

"ReservationId": "r-0dece507b4b881a9c"

},

{

"Groups": [],

"Instances": [

{

"AmiLaunchIndex": 0,

"ImageId": "ami-0d3f444bc76de0a79",

"InstanceId": "i-064731f867c5e8605",

"InstanceType": "t2.micro",

"KeyName": "18jan",

"LaunchTime": "2024-01-18T06:44:27.000Z",

"Monitoring": {

"State": "disabled"

},

"Placement": {

"AvailabilityZone": "ap-south-1b",

"GroupName": "Newgroup",

"PartitionNumber": 2,

"Tenancy": "default"

},

"PrivateDnsName": "ip-172-31-5-147.ap-south-1.compute.internal",

"PrivateIpAddress": "172.31.5.147",

"ProductCodes": [],

"PublicDnsName": "ec2-52-66-98-216.ap-south-1.compute.amazonaws.com",

"PublicIpAddress": "52.66.98.216",

"State": {

"Code": 16,

"Name": "running"

},

"StateTransitionReason": "",

"SubnetId": "subnet-09cd0b66cff30bbcc",

"VpcId": "vpc-03c7f996950265179",

"Architecture": "x86\_64",

"BlockDeviceMappings": [

{

"DeviceName": "/dev/xvda",

"Ebs": {

"AttachTime": "2024-01-18T06:44:28.000Z",

"DeleteOnTermination": true,

"Status": "attached",

"VolumeId": "vol-0424b55897790b5fc"

}

}

],

"ClientToken": "eaf14071-f5f9-4969-b453-51b95e922fa5",

"EbsOptimized": false,

"EnaSupport": true,

"Hypervisor": "xen",

"NetworkInterfaces": [

{

"Association": {

"IpOwnerId": "amazon",

"PublicDnsName": "ec2-52-66-98-216.ap-south-1.compute.amazonaws.com",

"PublicIp": "52.66.98.216"

},

"Attachment": {

"AttachTime": "2024-01-18T06:44:27.000Z",

"AttachmentId": "eni-attach-052d2e736da2f0006",

"DeleteOnTermination": true,

"DeviceIndex": 0,

"Status": "attached",

"NetworkCardIndex": 0

},

"Description": "",

"Groups": [

{

"GroupName": "launch-wizard-3",

"GroupId": "sg-0736da0c897dc245b"

}

],

"Ipv6Addresses": [],

"MacAddress": "0a:a7:71:f4:91:29",

"NetworkInterfaceId": "eni-00d66398507fbda70",

"OwnerId": "842313196830",

"PrivateDnsName": "ip-172-31-5-147.ap-south-1.compute.internal",

"PrivateIpAddress": "172.31.5.147",

"PrivateIpAddresses": [

{

"Association": {

"IpOwnerId": "amazon",

"PublicDnsName": "ec2-52-66-98-216.ap-south-1.compute.amazonaws.com",

"PublicIp": "52.66.98.216"

},

"Primary": true,

"PrivateDnsName": "ip-172-31-5-147.ap-south-1.compute.internal",

"PrivateIpAddress": "172.31.5.147"

}

],

"SourceDestCheck": true,

"Status": "in-use",

"SubnetId": "subnet-09cd0b66cff30bbcc",

"VpcId": "vpc-03c7f996950265179",

"InterfaceType": "interface"

}

],

"RootDeviceName": "/dev/xvda",

"RootDeviceType": "ebs",

"SecurityGroups": [

{

"GroupName": "launch-wizard-3",

"GroupId": "sg-0736da0c897dc245b"

}

],

"SourceDestCheck": true,

"Tags": [

{

"Key": "Name",

"Value": "placement2"

}

],

"VirtualizationType": "hvm",

"CpuOptions": {

"CoreCount": 1,

"ThreadsPerCore": 1

},

"CapacityReservationSpecification": {

"CapacityReservationPreference": "open"

},

"HibernationOptions": {

"Configured": false

},

"MetadataOptions": {

"State": "applied",

"HttpTokens": "required",

"HttpPutResponseHopLimit": 2,

"HttpEndpoint": "enabled",

"HttpProtocolIpv6": "disabled",

"InstanceMetadataTags": "disabled"

},

"EnclaveOptions": {

"Enabled": false

},

"BootMode": "uefi-preferred",

"PlatformDetails": "Linux/UNIX",

"UsageOperation": "RunInstances",

"UsageOperationUpdateTime": "2024-01-18T06:44:27.000Z",

"PrivateDnsNameOptions": {

"HostnameType": "ip-name",

"EnableResourceNameDnsARecord": true,

"EnableResourceNameDnsAAAARecord": false

}

}

],

"OwnerId": "842313196830",

"ReservationId": "r-00477ef5d289a273a"

}

]

}

root@DESKTOP-Q1VPUEC:~#

root@DESKTOP-Q1VPUEC:~# aws ec2 describe-instances --filters Name=placement-group-name,Values=Partition

{

"Reservations": [

{

"Groups": [],

"Instances": [

{

"AmiLaunchIndex": 0,

"ImageId": "ami-0d3f444bc76de0a79",

"InstanceId": "i-01a09d20f03db08af",

"InstanceType": "t2.micro",

"KeyName": "18jan",

"LaunchTime": "2024-01-18T07:18:45.000Z",

"Monitoring": {

"State": "disabled"

},

"Placement": {

"AvailabilityZone": "ap-south-1a",

"GroupName": "Partition",

"PartitionNumber": 1,

"Tenancy": "default"

},

"PrivateDnsName": "ip-172-31-42-16.ap-south-1.compute.internal",

"PrivateIpAddress": "172.31.42.16",

"ProductCodes": [],

"PublicDnsName": "ec2-52-66-200-218.ap-south-1.compute.amazonaws.com",

"PublicIpAddress": "52.66.200.218",

"State": {

"Code": 16,

"Name": "running"

},

"StateTransitionReason": "",

"SubnetId": "subnet-04b2f5518f2e3ad65",

"VpcId": "vpc-03c7f996950265179",

"Architecture": "x86\_64",

"BlockDeviceMappings": [

{

"DeviceName": "/dev/xvda",

"Ebs": {

"AttachTime": "2024-01-18T07:18:46.000Z",

"DeleteOnTermination": true,

"Status": "attached",

"VolumeId": "vol-0105b26a8a7bad3d2"

}

}

],

"ClientToken": "99983bc8-fe3c-42a3-9aa0-43ba16d33015",

"EbsOptimized": false,

"EnaSupport": true,

"Hypervisor": "xen",

"NetworkInterfaces": [

{

"Association": {

"IpOwnerId": "amazon",

"PublicDnsName": "ec2-52-66-200-218.ap-south-1.compute.amazonaws.com",

"PublicIp": "52.66.200.218"

},

"Attachment": {

"AttachTime": "2024-01-18T07:18:45.000Z",

"AttachmentId": "eni-attach-030827304c4cde40e",

"DeleteOnTermination": true,

"DeviceIndex": 0,

"Status": "attached",

"NetworkCardIndex": 0

},

"Description": "",

"Groups": [

{

"GroupName": "launch-wizard-4",

"GroupId": "sg-09d433a95ec59119e"

}

],

"Ipv6Addresses": [],

"MacAddress": "02:b9:0b:bb:62:75",

"NetworkInterfaceId": "eni-0b7de706ed1f477b4",

"OwnerId": "842313196830",

"PrivateDnsName": "ip-172-31-42-16.ap-south-1.compute.internal",

"PrivateIpAddress": "172.31.42.16",

"PrivateIpAddresses": [

{

"Association": {

"IpOwnerId": "amazon",

"PublicDnsName": "ec2-52-66-200-218.ap-south-1.compute.amazonaws.com",

"PublicIp": "52.66.200.218"

},

"Primary": true,

"PrivateDnsName": "ip-172-31-42-16.ap-south-1.compute.internal",

"PrivateIpAddress": "172.31.42.16"

}

],

"SourceDestCheck": true,

"Status": "in-use",

"SubnetId": "subnet-04b2f5518f2e3ad65",

"VpcId": "vpc-03c7f996950265179",

"InterfaceType": "interface"

}

],

"RootDeviceName": "/dev/xvda",

"RootDeviceType": "ebs",

"SecurityGroups": [

{

"GroupName": "launch-wizard-4",

"GroupId": "sg-09d433a95ec59119e"

}

],

"SourceDestCheck": true,

"Tags": [

{

"Key": "Name",

"Value": "part1"

}

],

"VirtualizationType": "hvm",

"CpuOptions": {

"CoreCount": 1,

"ThreadsPerCore": 1

},

"CapacityReservationSpecification": {

"CapacityReservationPreference": "open"

},

"HibernationOptions": {

"Configured": false

},

"MetadataOptions": {

"State": "applied",

"HttpTokens": "required",

"HttpPutResponseHopLimit": 2,

"HttpEndpoint": "enabled",

"HttpProtocolIpv6": "disabled",

"InstanceMetadataTags": "disabled"

},

"EnclaveOptions": {

"Enabled": false

},

"BootMode": "uefi-preferred",

"PlatformDetails": "Linux/UNIX",

"UsageOperation": "RunInstances",

"UsageOperationUpdateTime": "2024-01-18T07:18:45.000Z",

"PrivateDnsNameOptions": {

"HostnameType": "ip-name",

"EnableResourceNameDnsARecord": true,

"EnableResourceNameDnsAAAARecord": false

}

}

],

"OwnerId": "842313196830",

"ReservationId": "r-048a7be58e26341a6"

},

-------------------------------------------------------------------

{

"Groups": [],

"Instances": [

{

"AmiLaunchIndex": 0,

"ImageId": "ami-0d3f444bc76de0a79",

"InstanceId": "i-0503f01ac05124986",

"InstanceType": "t2.micro",

"KeyName": "18jan",

"LaunchTime": "2024-01-18T07:22:13.000Z",

"Monitoring": {

"State": "disabled"

},

"Placement": {

"AvailabilityZone": "ap-south-1a",

"GroupName": "Partition",

"PartitionNumber": 2,

"Tenancy": "default"

},

"PrivateDnsName": "ip-172-31-33-111.ap-south-1.compute.internal",

"PrivateIpAddress": "172.31.33.111",

"ProductCodes": [],

"PublicDnsName": "ec2-13-234-115-28.ap-south-1.compute.amazonaws.com",

"PublicIpAddress": "13.234.115.28",

"State": {

"Code": 16,

"Name": "running"

},

"StateTransitionReason": "",

"SubnetId": "subnet-04b2f5518f2e3ad65",

"VpcId": "vpc-03c7f996950265179",

"Architecture": "x86\_64",

"BlockDeviceMappings": [

{

"DeviceName": "/dev/xvda",

"Ebs": {

"AttachTime": "2024-01-18T07:22:14.000Z",

"DeleteOnTermination": true,

"Status": "attached",

"VolumeId": "vol-088df35bc0d388685"

}

}

],

"ClientToken": "27337556-934d-41ea-ba2e-5f8b397240fd",

"EbsOptimized": false,

"EnaSupport": true,

"Hypervisor": "xen",

"NetworkInterfaces": [

{

"Association": {

"IpOwnerId": "amazon",

"PublicDnsName": "ec2-13-234-115-28.ap-south-1.compute.amazonaws.com",

"PublicIp": "13.234.115.28"

},

"Attachment": {

"AttachTime": "2024-01-18T07:22:13.000Z",

"AttachmentId": "eni-attach-0ba14facdd6f649e7",

"DeleteOnTermination": true,

"DeviceIndex": 0,

"Status": "attached",

"NetworkCardIndex": 0

},

"Description": "",

"Groups": [

{

"GroupName": "launch-wizard-5",

"GroupId": "sg-0487a78902aafc6e0"

}

],

"Ipv6Addresses": [],

"MacAddress": "02:41:31:4c:2d:0d",

"NetworkInterfaceId": "eni-0bf80407836f594ab",

"OwnerId": "842313196830",

"PrivateDnsName": "ip-172-31-33-111.ap-south-1.compute.internal",

"PrivateIpAddress": "172.31.33.111",

"PrivateIpAddresses": [

{

"Association": {

"IpOwnerId": "amazon",

"PublicDnsName": "ec2-13-234-115-28.ap-south-1.compute.amazonaws.com",

"PublicIp": "13.234.115.28"

},

"Primary": true,

"PrivateDnsName": "ip-172-31-33-111.ap-south-1.compute.internal",

"PrivateIpAddress": "172.31.33.111"

}

],

"SourceDestCheck": true,

"Status": "in-use",

"SubnetId": "subnet-04b2f5518f2e3ad65",

"VpcId": "vpc-03c7f996950265179",

"InterfaceType": "interface"

}

],

"RootDeviceName": "/dev/xvda",

"RootDeviceType": "ebs",

"SecurityGroups": [

{

"GroupName": "launch-wizard-5",

"GroupId": "sg-0487a78902aafc6e0"

}

],

"SourceDestCheck": true,

"Tags": [

{

"Key": "Name",

"Value": "part2"

}

],

"VirtualizationType": "hvm",

"CpuOptions": {

"CoreCount": 1,

"ThreadsPerCore": 1

},

"CapacityReservationSpecification": {

"CapacityReservationPreference": "open"

},

"HibernationOptions": {

"Configured": false

},

"MetadataOptions": {

"State": "applied",

"HttpTokens": "required",

"HttpPutResponseHopLimit": 2,

"HttpEndpoint": "enabled",

"HttpProtocolIpv6": "disabled",

"InstanceMetadataTags": "disabled"

},

"EnclaveOptions": {

"Enabled": false

},

"BootMode": "uefi-preferred",

"PlatformDetails": "Linux/UNIX",

"UsageOperation": "RunInstances",

"UsageOperationUpdateTime": "2024-01-18T07:22:13.000Z",

"PrivateDnsNameOptions": {

"HostnameType": "ip-name",

"EnableResourceNameDnsARecord": true,

"EnableResourceNameDnsAAAARecord": false

}

}

],

"OwnerId": "842313196830",

"ReservationId": "r-083172b47bca9a1f5"

}

]

}