

ASSIGNMENT 2

The screenshot shows the AWS Management Console's 'Launch instance wizard' for an EC2 instance. The browser address bar shows the URL: `us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard`. The navigation bar includes the AWS logo, 'Services', a search bar, and user information. The wizard progress bar shows seven steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance (active), 4. Add Storage, 5. Add Tags, 6. Configure Security Group, and 7. Review.

Step 3: Configure Instance Details

The configuration options are as follows:

- Capacity Reservation:** Open
- Domain join directory:** No directory. [Create new directory](#)
- IAM role:** None. [Create new IAM role](#)
- Shutdown behavior:** Stop
- Stop - Hibernate behavior:** ☐ Enable hibernation as an additional stop behavior
- Enable termination protection:** ☒ Protect against accidental termination
- Monitoring:** ☐ Enable CloudWatch detailed monitoring. *Additional charges apply.*
- Tenancy:** Shared - Run a shared hardware instance. *Additional charges will apply for dedicated tenancy.*
- Elastic Inference:** ☐ Add an Elastic Inference accelerator. *Additional charges apply.*
- Credit specification:** ☐ Unlimited

At the bottom right, there are four buttons: [Cancel](#), [Previous](#), [Review and Launch](#) (highlighted in blue), and [Next: Add Storage](#).

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Working with EC2

Instance Details

Termination Protection Enabled

Instances | EC2 Management Console

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:sort=desc:tag:Name

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Instances

Instances **New**

Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances **New** Dedicated Hosts Capacity Reservations

Images AMIs

Elastic Block Store

Instances (2) Info

Filter instances

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	Python-env	i-0b815db44ead060c1	Terminated	t2.micro	-	No alarms +	us-east-2b
<input type="checkbox"/>	-	i-01e91c46a67484c63	Running	t2.micro	Initializing	No alarms +	us-east-2c

Select an instance above

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Instance details | EC2 Management Console

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#InstanceDetails:instanceId=i-01e91c46a67484c63

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EC2 > Instances > i-01e91c46a67484c63

Instance summary for i-01e91c46a67484c63 Info

Updated less than a minute ago

Connect Instance state

Instance ID i-01e91c46a67484c63	Public IPv4 address 18.191.71.20 open address	Private IPv4 addresses 172.31.33.180
Instance state Running	Public IPv4 DNS ec2-18-191-71-20.us-east-2.compute.amazonaws.com open address	Private IPv4 DNS ip-172-31-33-180.us-east-2.compute.internal
Instance type t2.micro	Elastic IP addresses -	VPC ID vpc-3395f658
AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more	IAM Role -	Subnet ID subnet-b3042cff

Details Security Networking Storage Status checks Monitoring Tags

Instance details Info

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Instance Activated

Instance details | EC2 Management Console | i-01e91c46a67484c63 | EC2 Instance

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#InstanceDetails:instanceId=i-01e91c46a67484c63

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Failed to terminate an instance: The instance 'i-01e91c46a67484c63' may not be terminated. Modify its 'disableApiTermination' instance attribute and try again.

EC2 > Instances > i-01e91c46a67484c63

Instance summary for i-01e91c46a67484c63 Info

Updated less than a minute ago

Instance ID
i-01e91c46a67484c63

Public IPv4 address
18.191.71.20 | open address

Private IPv4 addresses
172.31.33.180

Instance state
Running

Public IPv4 DNS
ec2-18-191-71-20.us-east-2.compute.amazonaws.com | open address

Private IPv4 DNS
ip-172-31-33-180.us-east-2.compute.internal

Instance type
t2.micro

Elastic IP addresses
-

VPC ID
vpc-3395f658

AWS Compute Optimizer finding
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IAM Role
-

Subnet ID
subnet-b3042cff

Instance won't terminate as the Termination Protection is enabled, hence disabling it.

Instances | EC2 Management Console | i-01e91c46a67484c63 | EC2 Instance

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:sort=desc:tag:Name

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Disabled termination protection for i-01e91c46a67484c63

Successfully terminated i-01e91c46a67484c63

Instances (1/2) Info

Filter instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
Python-env	i-0b815db44ead060c1	Terminated	t2.micro	-	No alarms	us-east-2b
-	i-01e91c46a67484c63	Shutting-down	t2.micro	2/2 checks passed	No alarms	us-east-2c

Instance: i-01e91c46a67484c63

Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

Instance ID
i-01e91c46a67484c63

Public IPv4 address
18.191.71.20 | open address

Private IPv4 addresses
172.31.33.180

Instance state
Shutting-down

Public IPv4 DNS
ec2-18-191-71-20.us-east-

Private IPv4 DNS
ip-172-31-33-180.us-east-2.compute.internal

Disabled Termination Protection and terminated EC2 instance.

Result:

The requirements of the assignments were fulfilled and the assignment was submitted.