

727721EUIT167

SWATHI R

## CLOUD COMPUTING – CC1

Q1

The screenshot displays the AWS Management Console interface for launching an EC2 instance. The browser tabs include SKCET, EC2 Management Console, EC2 Instance Connect, IAM Management Console, and a New Tab. The URL is [us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances](https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances).

The console shows the 'Launch an instance' wizard. The 'Name and tags' section has 'ec2usecase1' entered. The 'Application and OS Images (Amazon Machine Image)' section shows 'Amazon Linux 2' selected. The 'Summary' section on the right shows the following configuration:

- Number of instances: 1
- Software Image (AMI): Amazon Linux 2 AMI (HVM) - Ker...
- Virtual server type (instance type): t2.micro
- Firewall (security group): New security group
- Storage (volumes): 1 volume(s) - 8 GiB

The 'Launch instance' button is highlighted. Below the console, the Windows taskbar shows the date and time as 15:36 on 03-05-2023, and the weather as 32°C Partly sunny.

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

**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  
ec2usecase1 ↕ [Create new key pair](#)

**Network settings** Info

Edit

Network Info  
vpc-064c77280846f40d0

Subnet Info  
No preference (Default subnet in any availability zone)

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

**Summary**

Number of instances Info  
1

Software Image (AMI)  
Amazon Linux 2 AMI (HVM) - Ker...[read more](#)  
ami-03c7d01cf4d4edc891

Virtual server type (instance type)  
t2.micro

Firewall (security group)  
New security group

Storage (volumes)  
1 volume(s) - 8 GiB

Cancel

Launch instance

[Review commands](#)

CloudShell Feedback Language

© 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

ec2usecase1.ppk

Cryptop Free Webs...zip

Show all

32°C Partly sunny

Search

ENG IN 15:37 03-05-2023

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

**Network settings** Info

Edit

Network Info  
vpc-064c77280846f40d0

Subnet Info  
No preference (Default subnet in any availability zone)

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

We'll create a new security group called 'launch-wizard-2' with the following rules:  

☒ Allow SSH traffic from  
Helps you connect to your instance  
Anywhere  
0.0.0.0/0

☐ Allow HTTPS traffic from the internet  
To set up an endpoint, for example when creating a web server

☒ Allow HTTP traffic from the internet  
To set up an endpoint, for example when creating a web server

**Summary**

Number of instances Info  
1

Software Image (AMI)  
Amazon Linux 2 AMI (HVM) - Ker...[read more](#)  
ami-03c7d01cf4d4edc891

Virtual server type (instance type)  
t2.micro

Firewall (security group)  
New security group

Storage (volumes)  
1 volume(s) - 8 GiB

Cancel

Launch instance

[Review commands](#)

CloudShell Feedback Language

© 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

ec2usecase1.ppk

Cryptop Free Webs...zip

Show all

32°C Partly sunny

Search

ENG IN 15:37 03-05-2023

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

Success  
Successfully initiated launch of instance (i-00ec130f2fa72fe18)  
▶ Launch log

### Next Steps

What would you like to do next with this instance, for example "create alarm" or "create backup"

#### Create billing and free tier usage alerts

To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.

Create billing alerts

#### Connect to your instance

Once your instance is running, log into it from your local computer.

Connect to instance

#### Connect an RDS database

Configure the connection between an EC2 instance and a database to allow traffic flow between them.

Connect an RDS database

#### Create EBS snapshot policy

Create a policy that automates the creation, retention, and deletion of EBS snapshots

Create EBS snapshot policy

CloudShell Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

ec2usecase1.ppk Cryptop Free Webs...zip Show all

32°C Partly sunny 15:38 03-05-2023

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

### Instances (2) Info

Find instance by attribute or tag (case-sensitive)

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input type="checkbox"/>	ec2usecase1	i-00ec130f2fa72fe18	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	ec2-3-93-24-198
<input type="checkbox"/>	ec2usecase1	i-06bb5878d98adbd04	Terminated	t2.micro	-	No alarms	us-east-1a	-

Select an instance

CloudShell Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

ec2usecase1.ppk Cryptop Free Webs...zip Show all

31°C Partly sunny 15:42 03-05-2023

SKCET

Connect to instance | EC2 Mana...

EC2 Instance Connect

IAM Management Console

+

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-00ec130f2fa72fe18&osUser=ec2-user&sshPort=22#/

aws

Services

Search

[Alt+S]

N. Virginia

SWATHI R

```

  _ _ | _ _ |
 _ | ( _ _ | /
 _ \ _ _ | _ |

Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
1 package(s) needed for security, out of 1 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-94-64 ~]$
```

i-00ec130f2fa72fe18 (ec2usecase1)

PublicIPs: 3.93.24.198 PrivateIPs: 172.31.94.64

CloudShell

Feedback

Language

© 2023, Amazon Web Services India Private Limited or its affiliates.

Privacy

Terms

Cookie preferences

ec2usecase1.ppk

Cryptop Free Webs...zip

Show all

31°C  
Feels hotter

Search

ENG  
IN

15:41  
03-05-2023