

EC2 (Elastic Compute Cloud)

- Make short notes on :-

- What is cloud ?

Ans:- Cloud is a service provided by various service provider. Cloud follows pay as you go model.

- How many cloud service providers are there?

Ans:- AWS
Azure
Sales force .etc

- What is Region

Ans:- In area enclosing two or more than two datacenter is called region.
Every region is provide with a default network know as a default VPC.

- What is Zone

Ans:- It is logical location of a data center.

- What is Key Pair

Ans:- Its combination of public and private key which used to generate password.

Pem- window

Ppk- linux

- What is Security Group. Explain Inbound and Outbound rules.

Ans:- It acts as a firewall . it allows protocol and port numbers.

RDP - Window

SSH - Linux

Inbound :- Inbound traffic originates from outside the network

Outbound :- while outbound traffic originates inside the network..

. Create a windows instance with volume less than 30 GB.

EC2 > Instances > Launch an instance

Instance launch failed
Volume of size 28GB is smaller than snapshot 'snap-0656dce7eb222831f', expect size >= 30GB

▼ Launch log

Initializing requests	✓ Succeeded
Creating security groups	✓ Succeeded
Creating security group rules	✓ Succeeded
Launch initiation	✗ Failed

Cancel Edit instance config Retry failed tasks

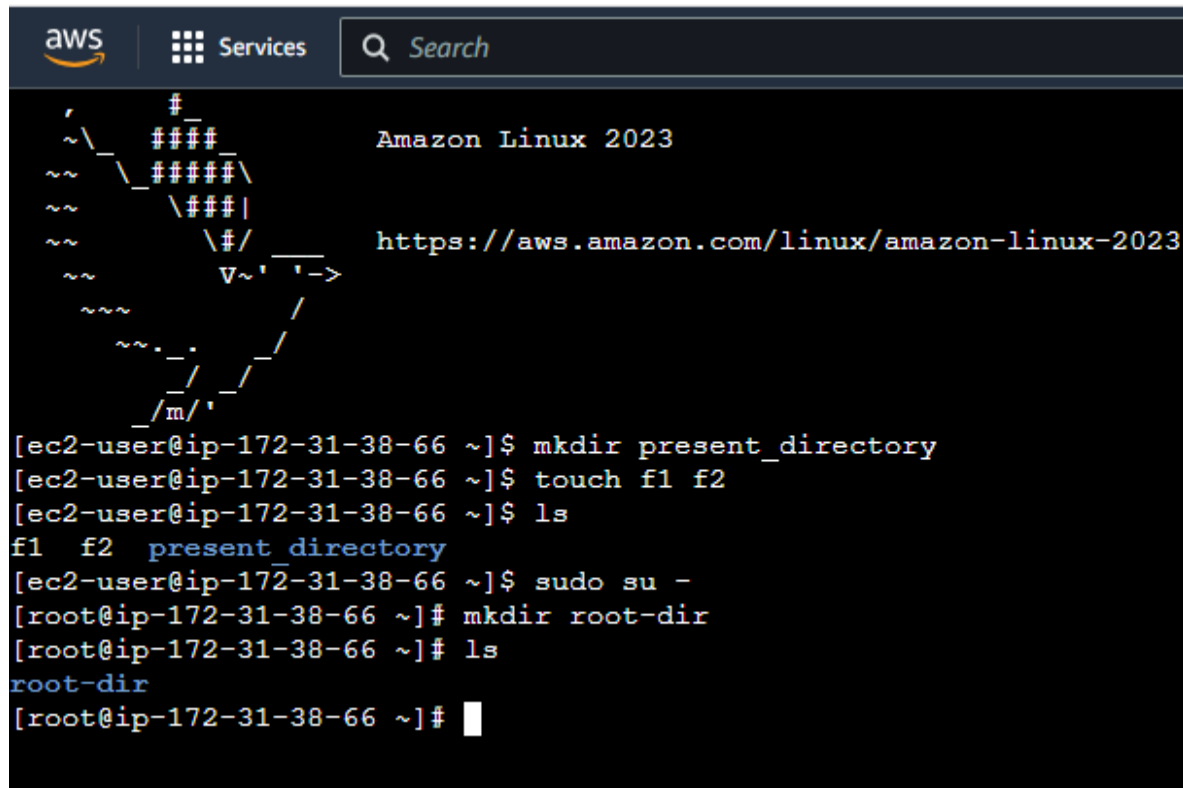
- Create an Amazon Linux instance :-

1. Create a directory as normal user
2. Create a directory as root user

1. Create a directory as normal user :-

[illegible]

2. Create a directory as root user :-



```
aws Services Search
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

[ec2-user@ip-172-31-38-66 ~]$ mkdir present_directory
[ec2-user@ip-172-31-38-66 ~]$ touch f1 f2
[ec2-user@ip-172-31-38-66 ~]$ ls
f1 f2 present_directory
[ec2-user@ip-172-31-38-66 ~]$ sudo su -
[root@ip-172-31-38-66 ~]# mkdir root-dir
[root@ip-172-31-38-66 ~]# ls
root-dir
[root@ip-172-31-38-66 ~]#
```

- Create one ec2 instance with two volumes :-

1. One volume with delete on termination enabled

New EC2 Experience
Tell us what you think

EC2 Dashboard

EC2 Global View

Events

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

Successfully attached volume [vol-0acf6472c0810aa1c](#) to instance [i-0522769faa287e71d](#).

Volumes (2) [Info](#)

<input type="checkbox"/>	Name	Volume ID	Type	Size	IOPS
<input type="checkbox"/>	root-vol	vol-04968482c29139022	gp2	30 GiB	100
<input type="checkbox"/>	vol-1	vol-0acf6472c0810aa1c	gp2	10 GiB	100

Instance: [i-0522769faa287e71d](#) (my-server)

B)	Attachment status	Attachment time	Encrypted	KMS key ID
	✔ Attached	2023/08/29 14:55 GMT+5:30	No	—
	✔ Attached	2023/08/29 15:00 GMT+5:30	No	—

Recent root volume replacement tasks

2. One volume with delete on termination disabled.

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Ala
<input checked="" type="checkbox"/>	my-server	i-00324a286b0ebb1df	Running	t2.micro	-	No

Instance: i-00324a286b0ebb1df (my-server)

iB)	Attachment status	Attachment time	Encrypted	KMS key ID
	Attaching	2023/09/01 08:49 GMT+5:30	No	-
	Attaching	2023/09/01 08:49 GMT+5:30	No	-

Recent root volume replacement tasks

- Create a server with custom AMI where the base server is having windows OS and a website hosted on it.

Outstanding Coffee Shop

There are many variations of passages of Lorem Ipsum available, but the majority have suffered alteration in some form, by injected humour,

LEARN MORE



Activate Windows
Go to Settings to activate Windows

- Create a server with a custom AMI where the base server is having Linux OS and a website hosted on it.



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info@example.com



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- Add an extra volume to the linux instance.

New EC2 Experience Tell us what you think X

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► Images

▼ Elastic Block Store

Successfully stopped i-0afe6b2185e698c82

Instances (1/1) Info Refresh Connect Instance state ▼ Actions ▼

Find instance by attribute or tag (case-sensitive)

<input checked="" type="checkbox"/>	Name ▼	Instance ID	Instance state ▼	Instance type ▼	Status check	Alarm
<input checked="" type="checkbox"/>	New-server	i-0afe6b2185e698c82	Stopped Refresh	t2.micro	-	No alarm

Instance: i-0afe6b2185e698c82 (New-server)

Filter block devices

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time
vol-0858cb862954ab332	/dev/xvda	8	Attached	2023/09/04 09:38 GMT+5:30
vol-02210fcb15808f424	/dev/sdf	10	Attached	2023/09/04 09:54 GMT+5:30






▼ Recent root volume replacement tasks

Filter tasks Refresh

- Replace root volume of a server with the volume created from snapshot of other server.

Instances (1/2) [Info](#)

 Find instance by attribute or tag (case-sensitive)

	Name ▾	Instance ID	Instance state ▾
<input type="checkbox"/>	base-server	i-090c90812102ae60f	 Terminated 
<input checked="" type="checkbox"/>	new-server	i-0d1aeb7ad405da28b	 Running 

Instance: [i-0d1aeb7ad405da28b](#) (new-server)

Volume ID	Device name	Volume size (GiB)	Availability Zone
vol-0e31bea243f9b983e	/dev/sda1	100	

Recent root volume replacement tasks

 Filter tasks

Task ID	Task state	Start time
No recent tasks		