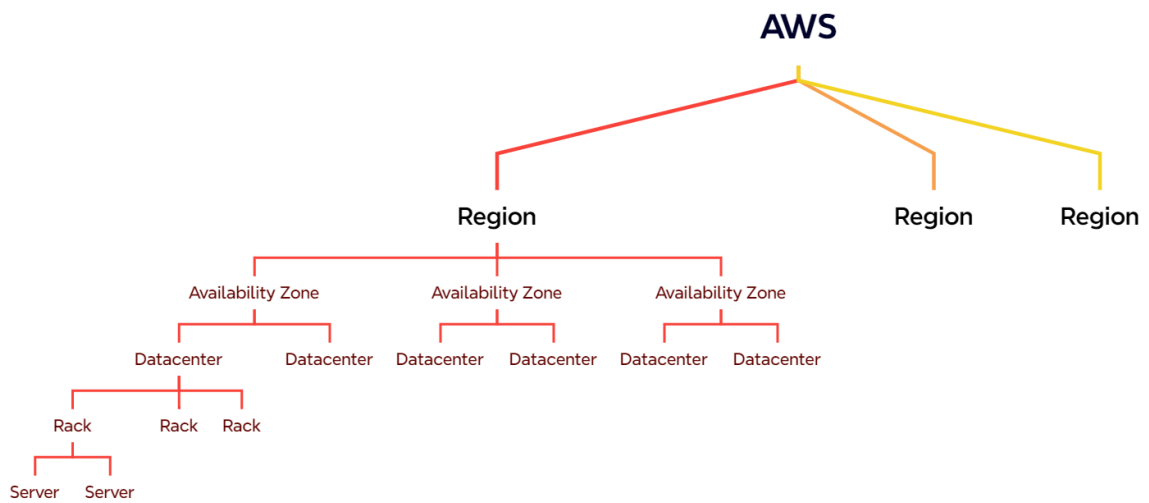


Disk Storage in AWS

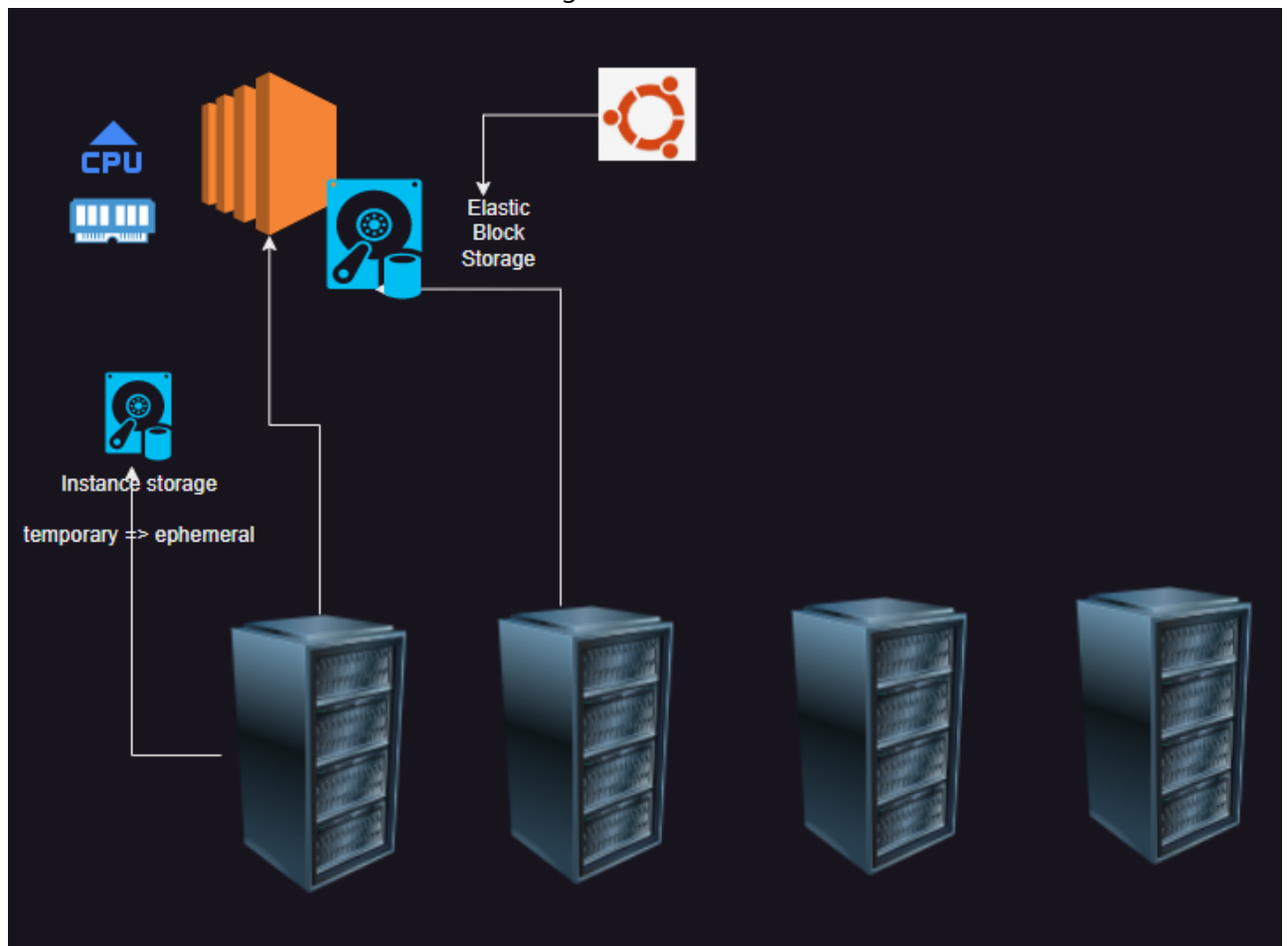
- AWS Global Infrastructure



Presented with xmind

EC2 creation (w.r.t disk storage)

- EC2 instance when create will need disk storage.

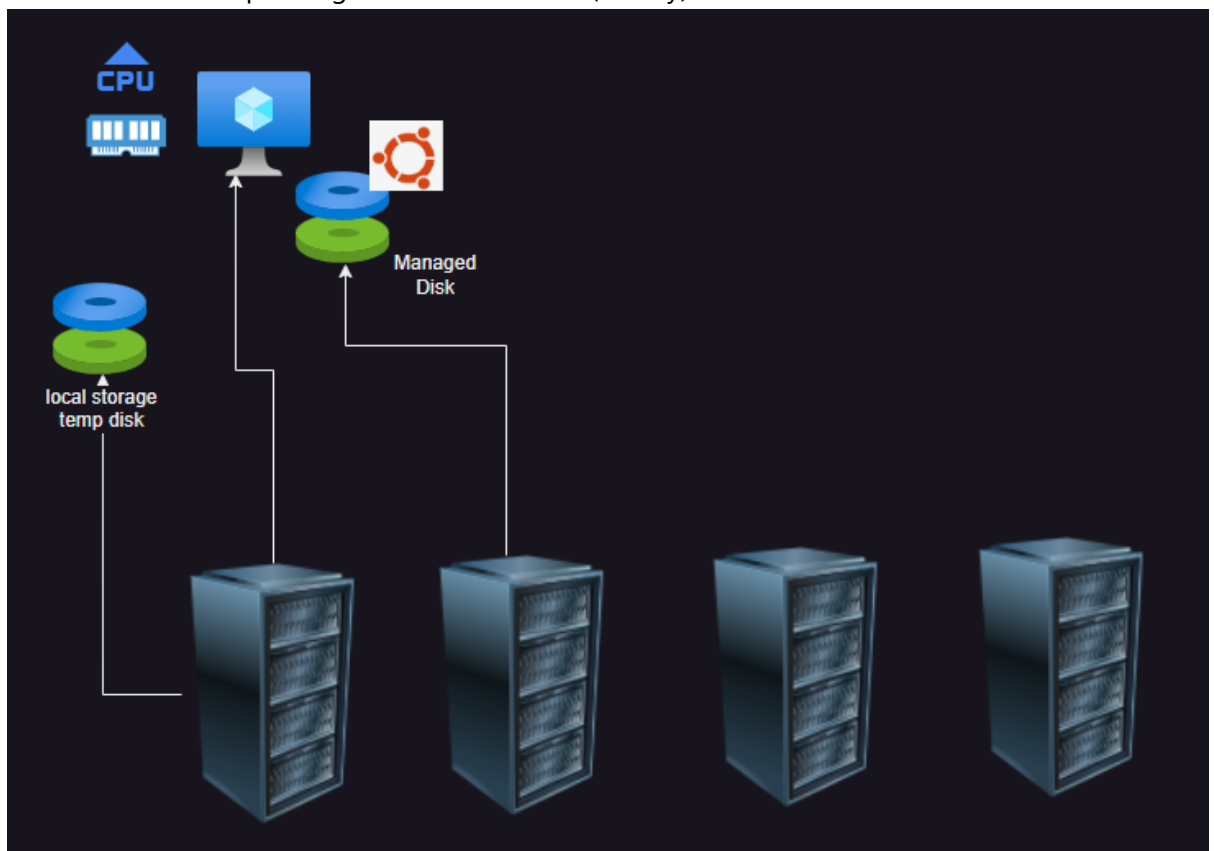


- The disk or volume with os has to be an EBS Volume
- EBS volume is created on different physical server in the same AZ as EC2

- If the disk is created from same physical server as EC2 we refer it as instance storage.
- In AWS all ec2 instance will have a disk with os as EBS Volumes. INstance storage is supported on few ec2 instance types.
- INstance store is temporary or ephemeral in nature i.e. when we stop the ec2 instance , data in instance store is lost.
- In AWS, we can add additional ebs volumes.

VM Creation (w.r.t disk storage)

- The disks to the Azure can be provided by two means
 - Managed disk: This is persistent (non-ephemeral) storage and can exist even after vm is delete.
 - Local Storage/Temp Storage: This is ephemeral (temporary) storage and in azure depending on vm size certain temp storage is attached to vm (mostly)



- OS disk has to be managed disk, temp disks are given according to vm sizes

[Home](#) > [Virtual machines](#) > [Create a virtual machine](#) >

Select a VM size ...

Search by VM size...

vCPUs : All

RAM (GiB) : All

Display cost : Monthly

Add filter

Showing 785 VM sizes.

Subscription: Azure subscription 1

Region: East US

Current size: Standard_B1s

Image: Ubuntu Server 20.04 LTS

[Learn more about VM sizes](#)

Group by series

Size ↑↓	Type ↑↓	vCPUs ↑↓	RAM (GiB) ↑↓	Data disks ↑↓	Max IOPS ↑↓	Local storage (GiB) ↑
Most used by Azure users						
The most used sizes by users in Azure						
DS1_v2	General purpose	1	3.5	4	3200	7 (SCSI)
D2s_v3	General purpose	2	8	4	3200	16 (SCSI)
D2as_v4	General purpose	2	8	4	3200	16 (SCSI)
B2s	General purpose	2	4	4	1280	8 (SCSI)
B1s (free services eligible)	General purpose	1	1	2	320	4 (SCSI)
B2ms	General purpose	2	8	4	1920	16 (SCSI)
B1ls	General purpose	1	0.5	2	320	4 (SCSI)
DS2_v2	General purpose	2	7	8	6400	14 (SCSI)

Select

Prices presented are estimates in INR that include only Azure infrastructure costs and any discounts for the subscription and location. The prices don't include any available software costs. Cost changes will appear in your local currency, cost estimate and billing volume. [View Azure pricing calculator](#)

[Give feedback](#)

- Azure Disk terms

- OS disk: disk with os
- data disk: additional disks.
- temp disk: this represents ephemeral stroage

- In Azure number of data disks is dependent on the size of vm.

[Home](#) > [Virtual machines](#) > [Create a virtual machine](#) >

Select a VM size ...

Search by VM size...

vCPUs : All

RAM (GiB) : All

Display cost : Monthly

Add filter

Showing 785 VM sizes.

Subscription: Azure subscription 1

Region: East US

Current size: Standard_B1s

Image: Ubuntu Server 20.04 LTS

[Learn more about VM sizes](#)

Group by series

Size ↑↓	Type ↑↓	vCPUs ↑↓	RAM (GiB) ↑↓	Data disks ↑↓	Max IOPS ↑↓	Local storage (GiB) ↑
Most used by Azure users						
The most used sizes by users in Azure						
DS1_v2	General purpose	1	3.5	4	3200	7 (SCSI)
D2s_v3	General purpose	2	8	4	3200	16 (SCSI)
D2as_v4	General purpose	2	8	4	3200	16 (SCSI)
B2s	General purpose	2	4	4	1280	8 (SCSI)
B1s (free services eligible)	General purpose	1	1	2	320	4 (SCSI)
B2ms	General purpose	2	8	4	1920	16 (SCSI)
B1ls	General purpose	1	0.5	2	320	4 (SCSI)
DS2_v2	General purpose	2	7	8	6400	14 (SCSI)

Select

Prices presented are estimates in INR that include only Azure infrastructure costs and any discounts for the subscription and location. The prices don't include any available software costs. Cost changes will appear in your local currency, cost estimate and billing volume. [View Azure pricing calculator](#)

[Give feedback](#)