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LESSON : AWS
SUBJECT: SNAPSHOTS-AMI

BATCH : B 303

AWS-DEVOPS



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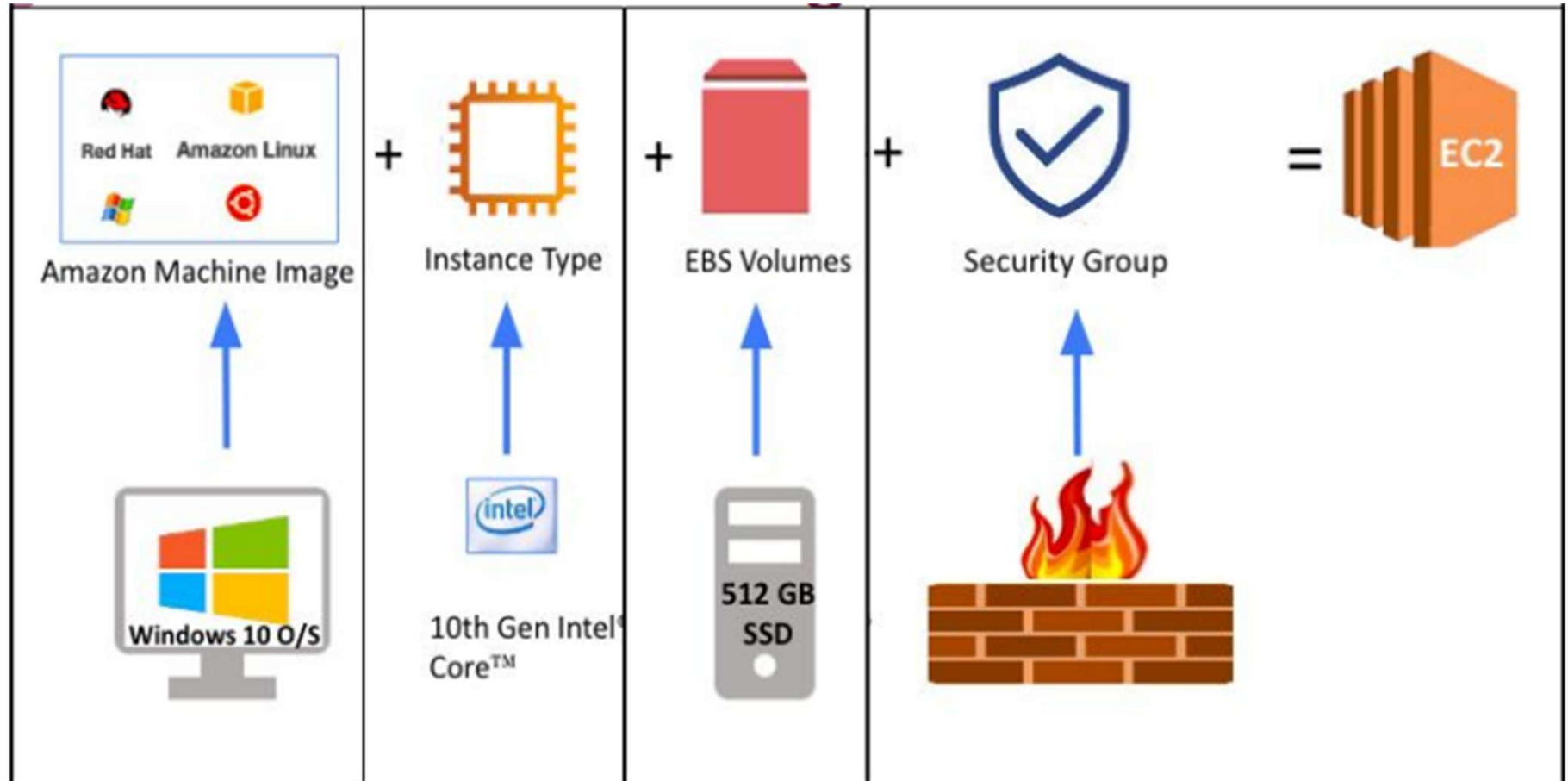
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Amazon Machine Image (AMI)

Amazon Machine Image (AMI)



Amazon Machine Image (AMI)

What is AMI?

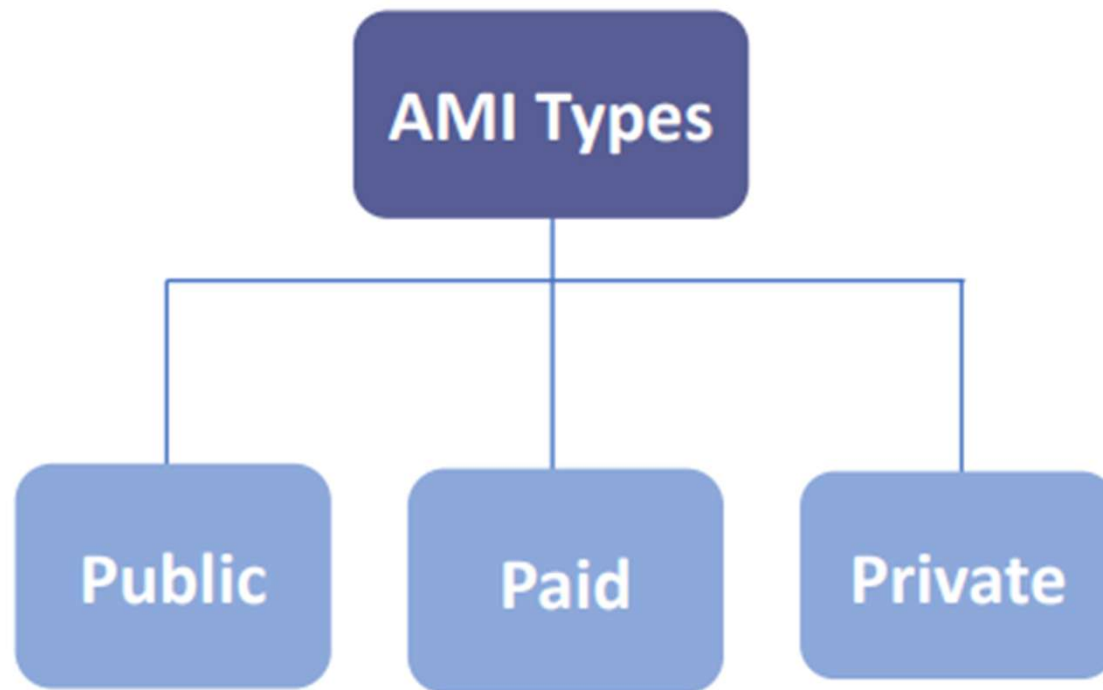


Amazon Machine
Image (AMI)

- An AMI (Amazon Machine Image) on AWS (Amazon Web Services) is a virtual server image used to launch EC2 (Elastic Compute Cloud) instances.
- AMIs contain a complete software stack of a server, including the operating system (OS), application server, and applications.
- You can copy an AMI. This allows you to start multiple instances from a single AMI with the same configuration.

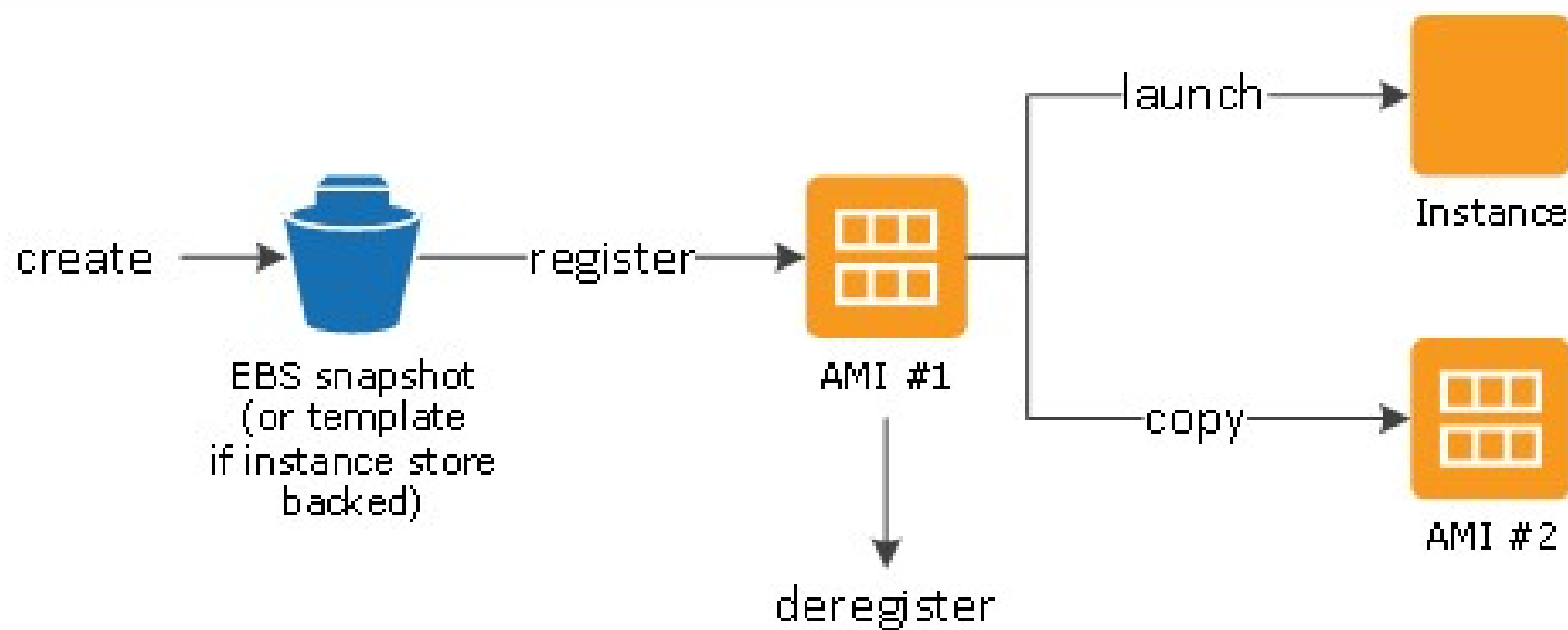
Amazon Machine Image (AMI)

Types of AMIs



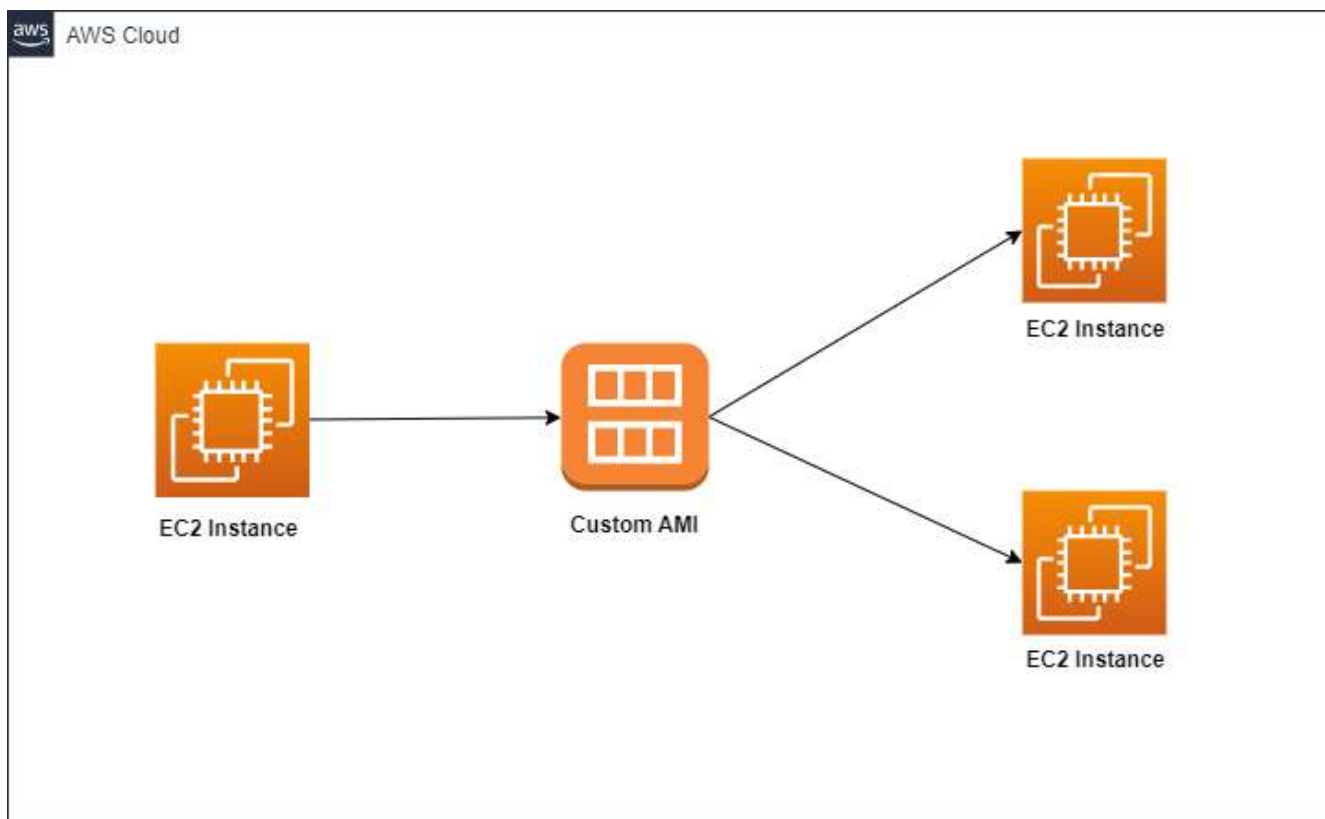
Amazon Machine Image (AMI)

AMI lifecycle



Amazon Machine Image (AMI)

AMI lifecycle





Snapshot

Snapshot

What is Snapshot?

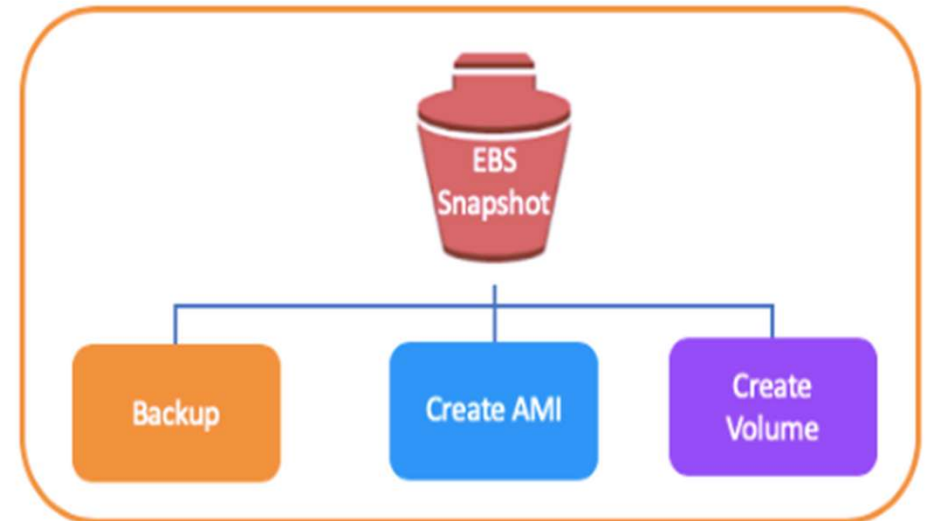


- Snapshot is the name of the method that allows us to make a current copy of an EBS disc.
- It is a point-in-time copy of your Amazon EBS volume.

Snapshot

Snapshots are used for the purpose of

- Backup
- Copying AMI to create multiple instances with the same properties.
- Creating a new Volume



Snapshot

Features of the Snapshot



- Source Volume or Instance
- Stored on Amazon S3
- Incremental storage
- Data Lifecycle Manager (DLM)

Snapshot

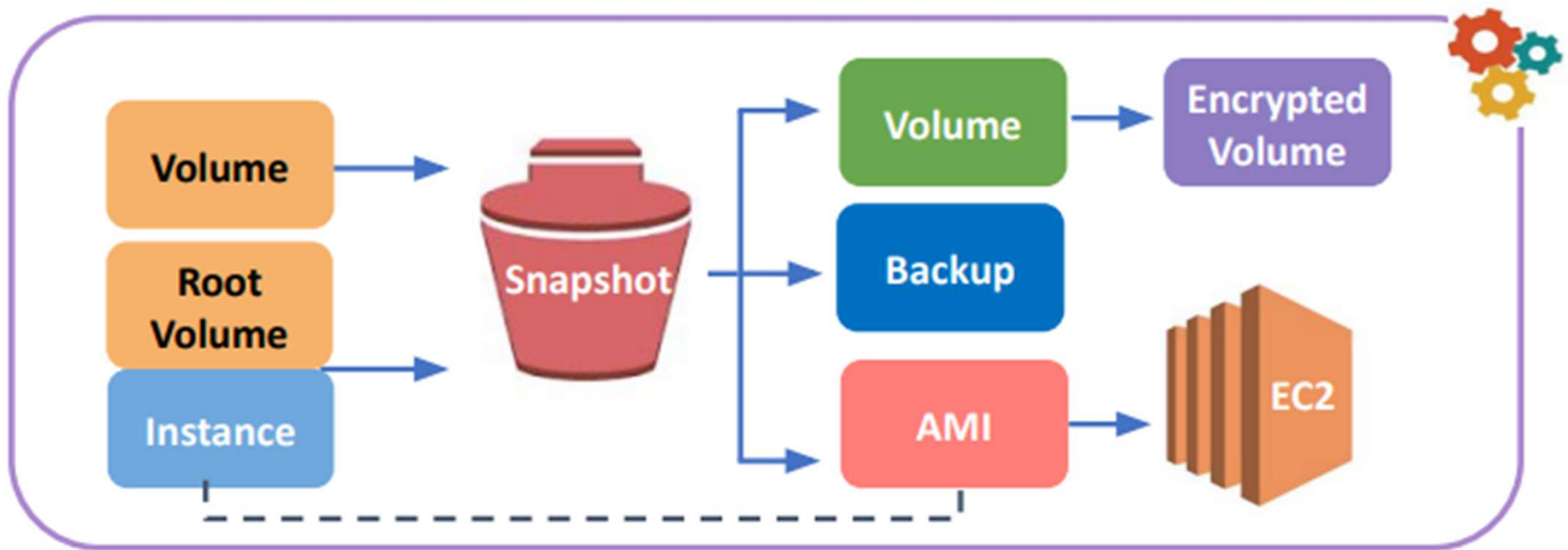
Features of the Snapshot



- You can create a copy of the snapshot, but you cannot create a copy of a volume.
- Volumes, AMIs, instances are all connected to the snapshot.
- A snapshot can be moved between different AWS regions.

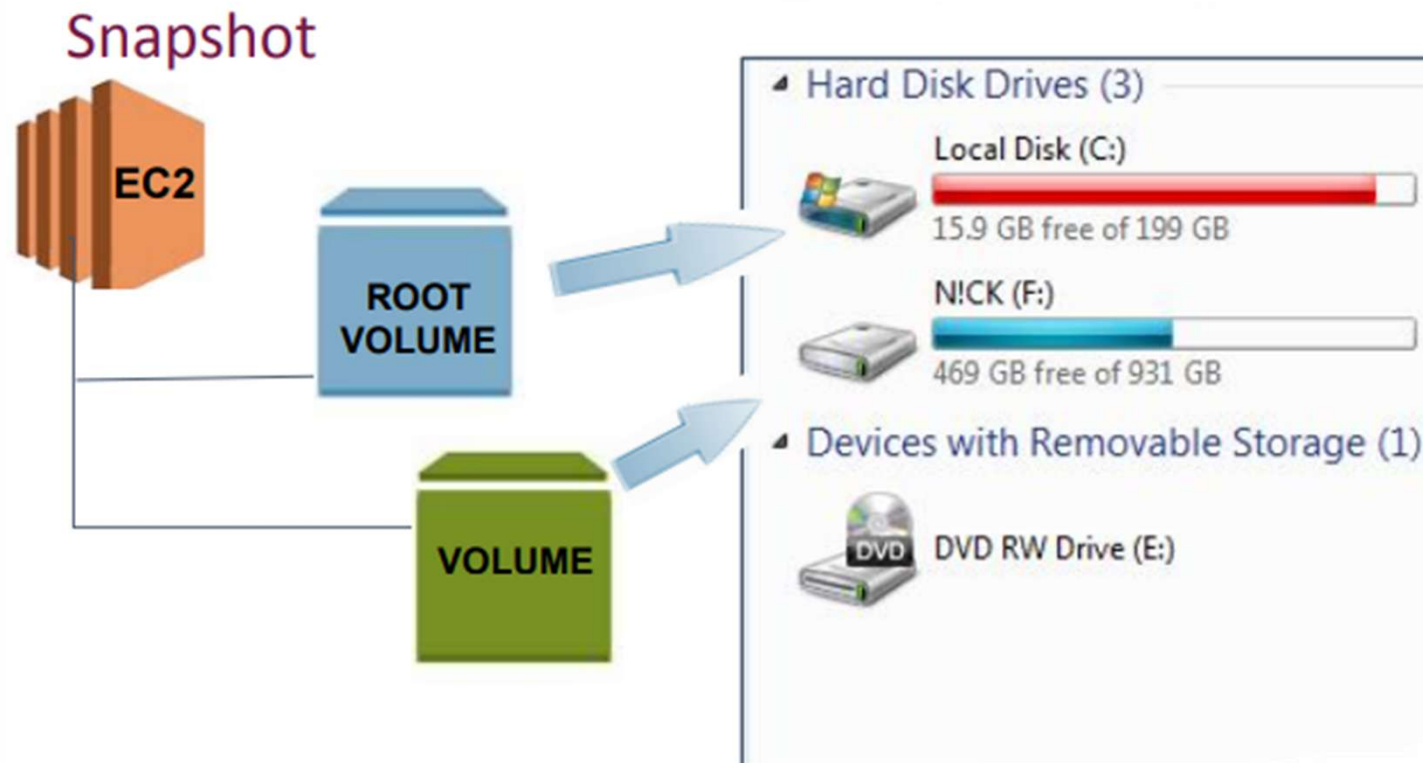
Snapshot

Lifecycle of Snapshot

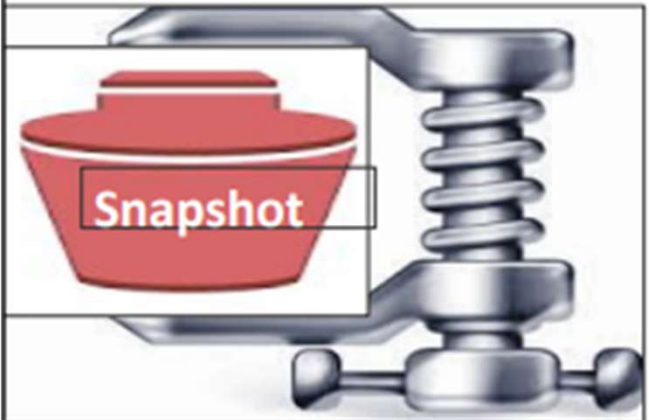
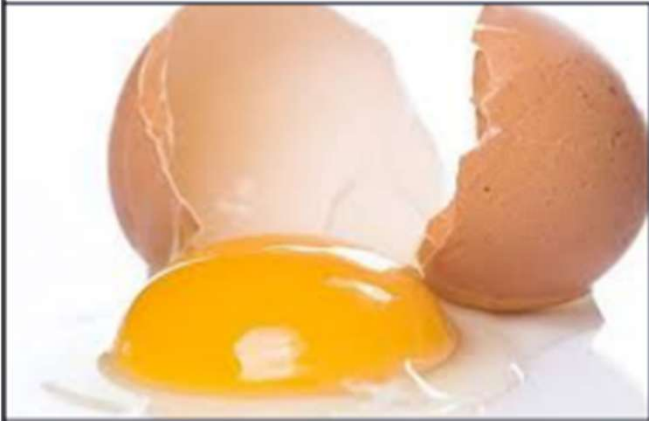


Snapshot

Lifecycle of Snapshot



Snapshot

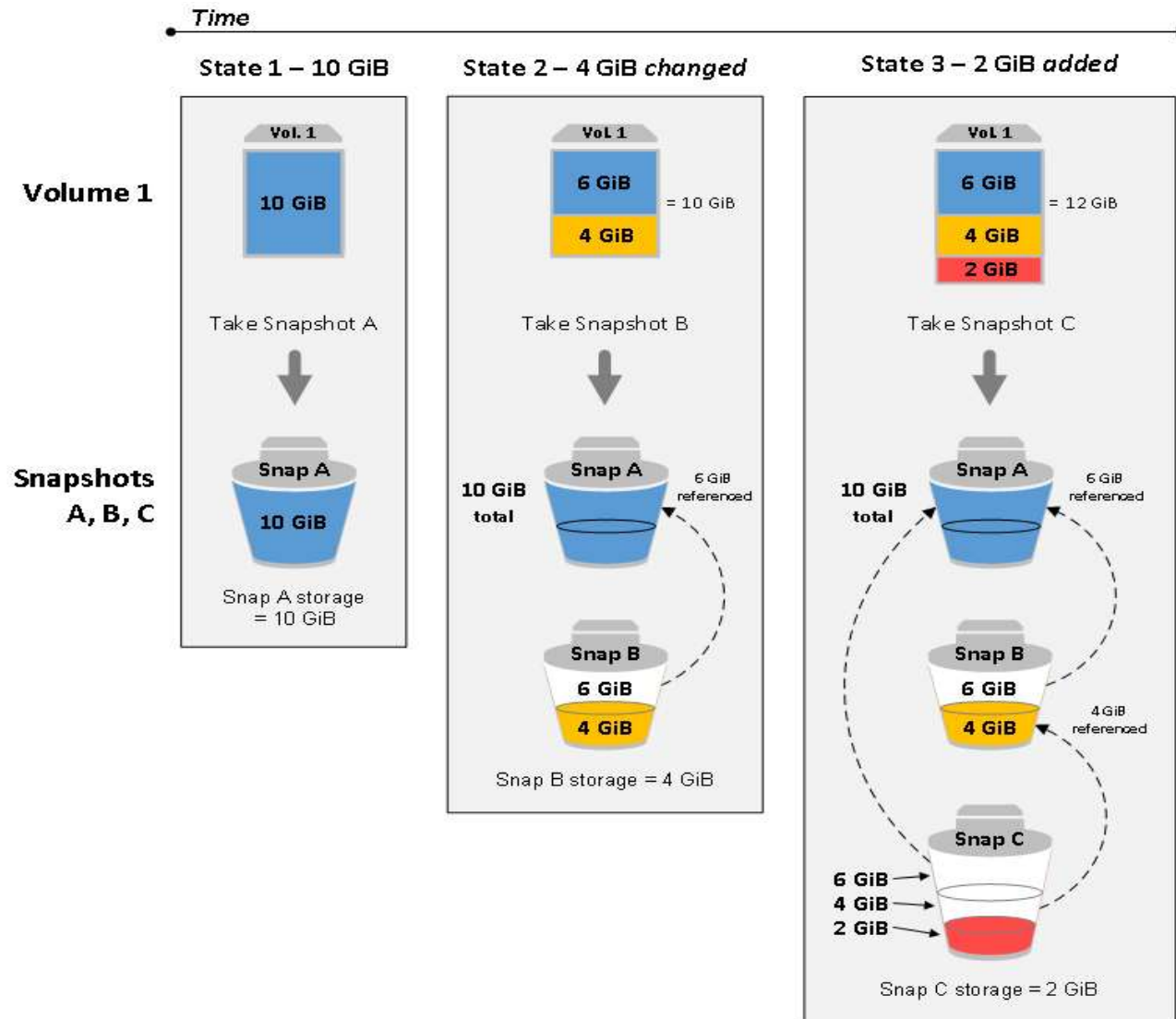


VS



Snapshot

Incremental Backups





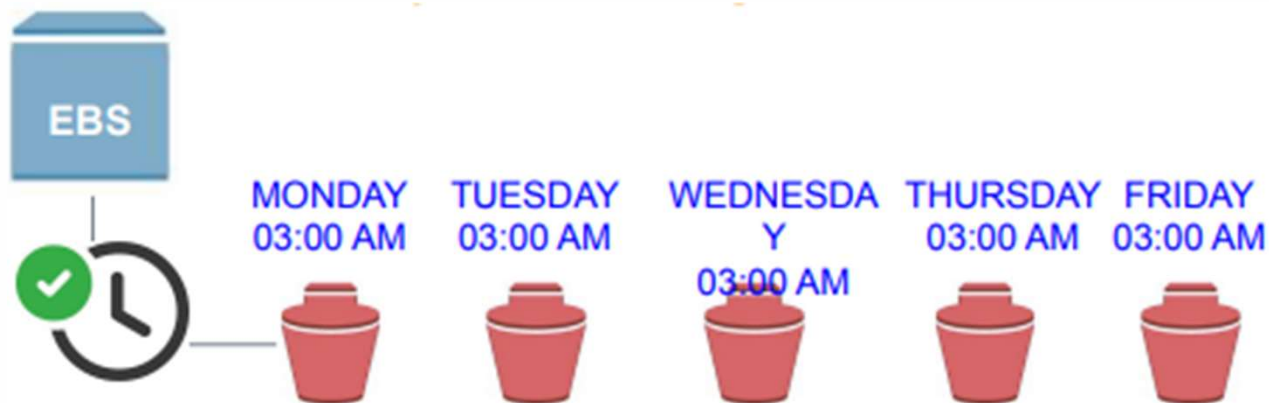
Snapshot

Data Lifecycle Manager (Amazon DLM)

- Amazon Data Lifecycle Manager (DLM) is a service used to automatically manage EBS (Elastic Block Store) snapshots and implement lifecycle policies within Amazon Web Services (AWS).

Snapshot

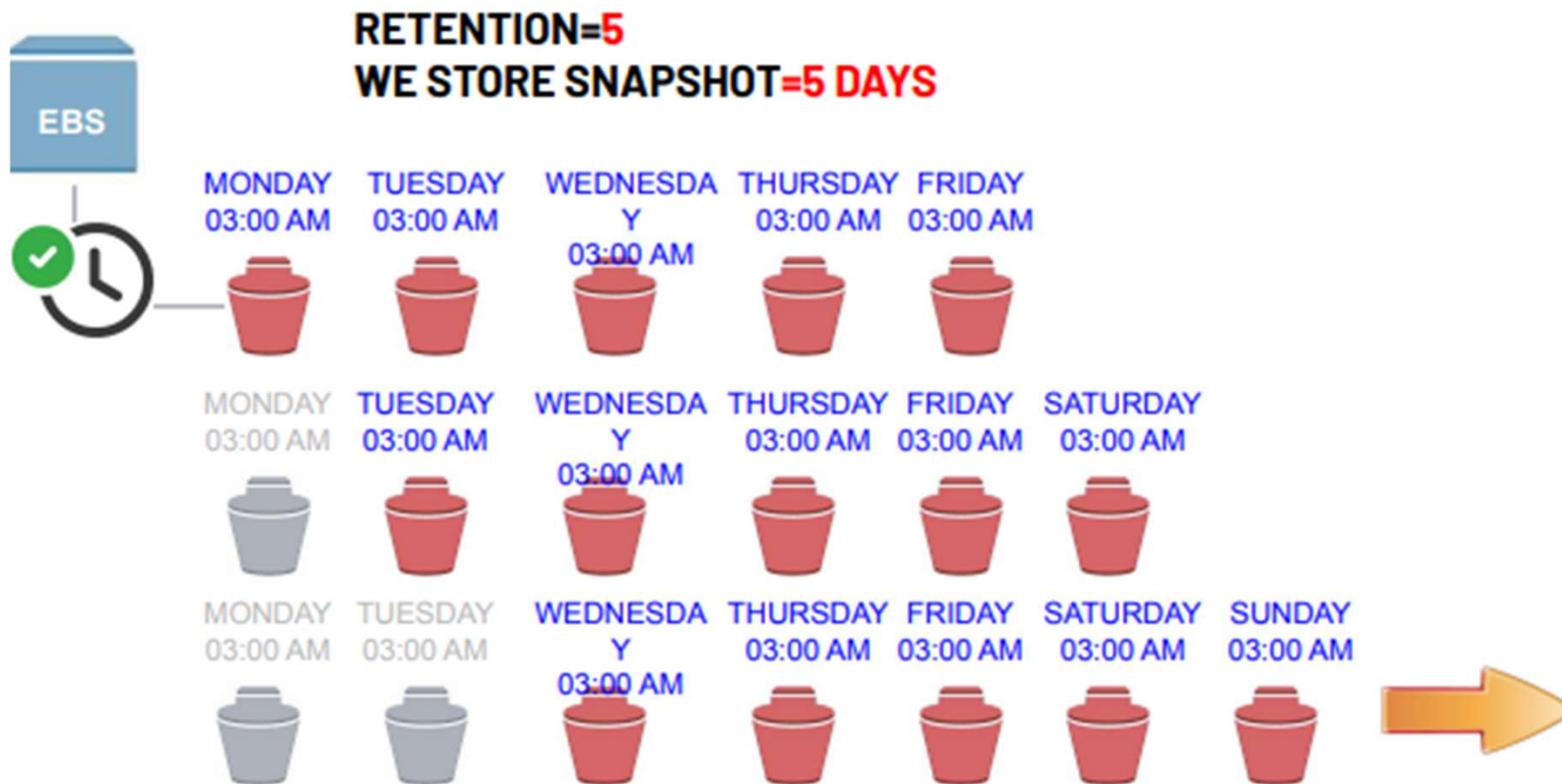
Data Lifecycle Manager (Amazon DLM)



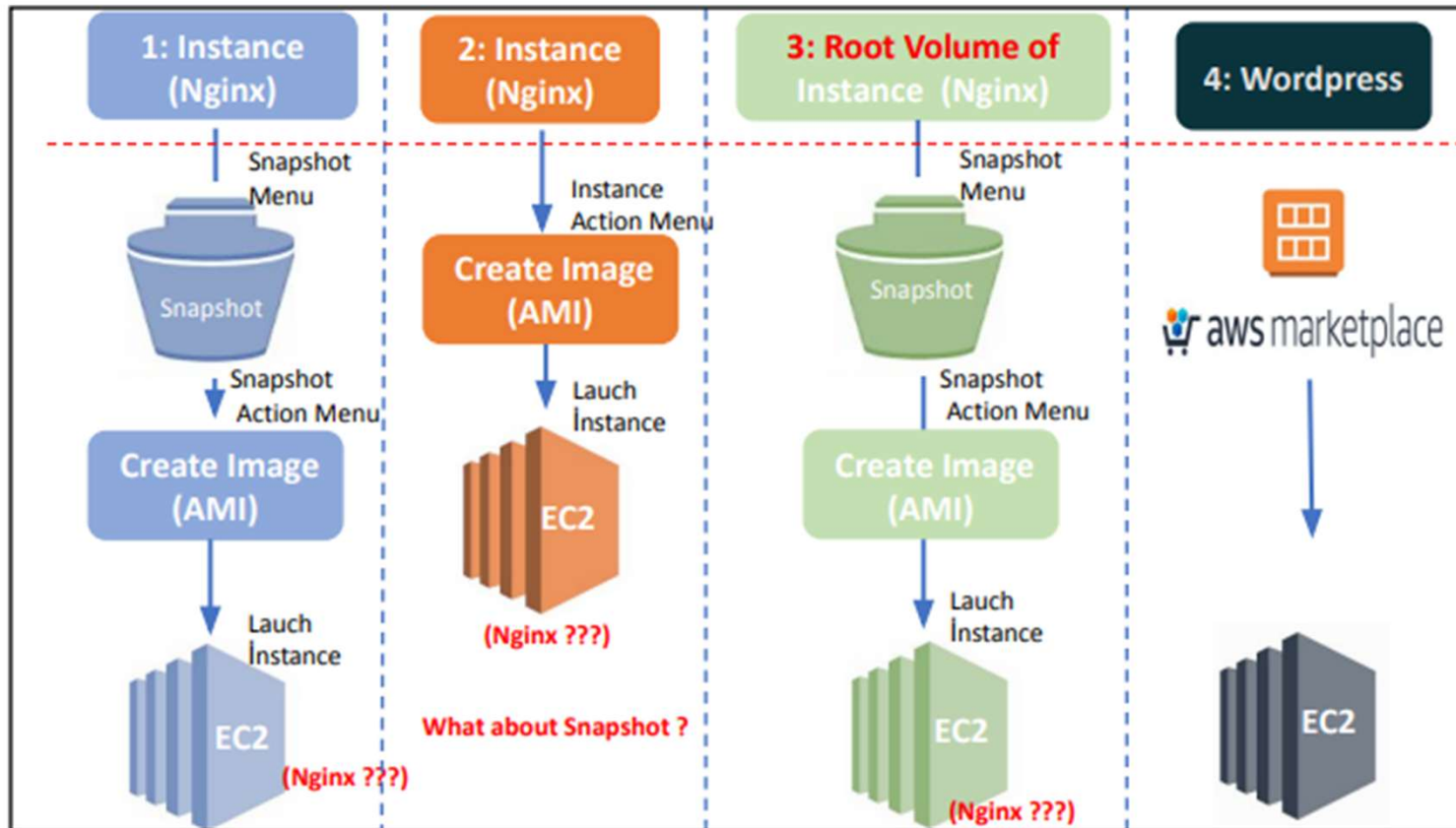
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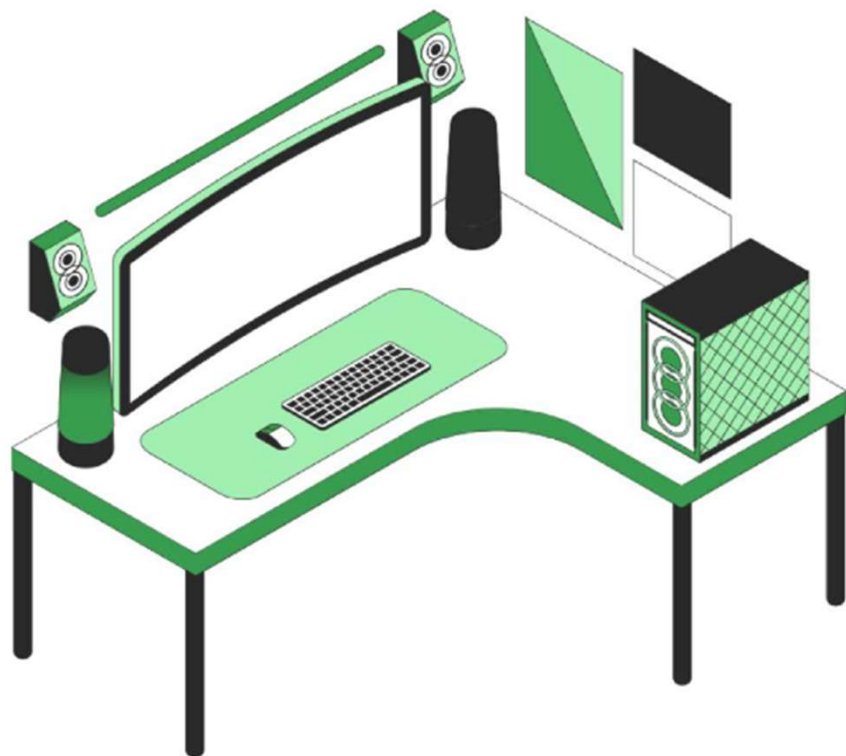
Snapshot

Data Lifecycle Manager (Amazon DLM)



HANDS-ON





Do you have any questions?

Send it to us! We hope you learned something new.