

COHORT-07-_EC2_Volumes

osvaldo_volume

Training Clarusway

Pear Deck - July 3, 2021 at 2:41PM

Part 1 - Summary

Use this space to summarize your thoughts on the lesson

Part 2 - Responses

Slide 1



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Slide 2



▶ EC2 Volumes

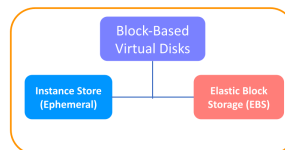
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Slide 3



▶ EC2 Volumes What is Volumes?



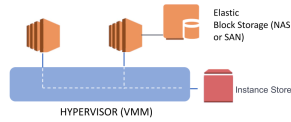
- Volumes are durable **storage devices (virtual)** that can be attached to EC2 instances.
- They are location in which the associated machine **stores its data or loads its applications**.
- There are two volume types in the block storage category. These are **Instance Stores (Ephemeral)** and **Elastic Block Storage (EBS)**.

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► EC2 Volumes

Instance Store and Elastic Block Storage



- The storage **connected directly to the hypervisor** and accessible to each machine associated with the hypervisor is called the Instance Store.
- Instance Storage can be **connected to only one instance. And is the closest storage device to your instance.**

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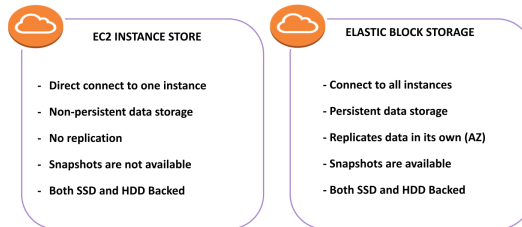


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► EC2 Volumes

Instance Store (Ephemeral) vs. Elastic Block Storage (EBS).

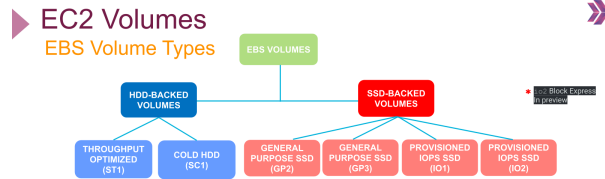


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- There are 6 types of volumes in 2 categories for the different use cases.
- HDD-backed volumes are used for large streaming workloads where throughput is a better performance measure than IOPS.
- SSD-backed volumes are used for frequent read/write operations where the dominant performance attribute is IOPS.

Link(s) on this slide:

- <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-volume-types.html>

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Slide 7

► EC2 Volumes

Let's get our hands dirty!


- Managing EBS Volumes on Console and Terminal
 - attaching
 - detaching
 - mounting
 - partition
 - resizing (single-partition)

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THANKS!
Any questions?



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