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Heat allows you to ophnize storage feeformance and cost four workload You can execte an EBS & bray by Selectory the right value type which Suits your requirement · Atkuch the GBS volume to the new or existing 602 instance and run your application # Amozon EBS Features > · Amyson EBS Ras deferent types of 8 torge SSD > General Purpose SSD (y\$2, g\$3)
Provisioned Bors SSD (201, 202)

HDD > Throughfut optimized HDD (SS1)

Cold HDD (SC1).

· Using Amozon EBS Multi-Attach, you can mount a provisioned JOPS valume to multiple is instance.

· You Can mount multiple EBS valumes On the some instance. アノアノアノアノ PAGE 32 DATE 08122021 · You can use charybed CBS values to meet data- at-out encryption requirement for outil. · You Can create boint - in-time snapshots of EB volumes, that can be copied across AWS regions. · Volumes are created in a specific AZ can then be attached to ony instances 3 in that same Az. You need to create -> a snapshot and restore the snapshot in a new volume to make it ovoilable 7 Oudside the AZ. -) and then restore them to new volumes there, In this way the EBS valume can be migrated to other region 4 -) · EBS volumes can be integrated with Amazon 3 Claudwatch to moniter the performance of ... your volume . cloudworth can bruile performance metrics such as landwidth, C thoughput, Ogtency 7 2 2 2 3 BKS · Clartic volumes allow you to incream Velume sine, adjust performance or change the volume is in use. PAGE 33

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Honozon EBS Volume type oxy broken in to two main Categories.

- SSD backed valumes are optimized took

 IOPS, which are best for workleads

 involving frequent read/write operations with

 smed I/O size.
- · HDD-backed volumes or chimized for Throughfut (measured in MiBIS) for large Streaming workladeds.

Within leach of those groups or two opposes. The defoult pripe Al Verfermance type is General Purpose SSD (gp2), & there are 3 Other available.

- · There Purpose SSD (yp2) general furpose, belonce price & perform que - Use Cares: Most workleads such as Nother desktops, der & test environment and low-latency apps.
- · Provisioned IOPS SSD (101) Righest performance SSD valume for missioncritical

1 1 1 as a Pul Hand 1 had 1 11
low-latency or high - throughout worklands that
per temme regular sustained fors performance,
Of more than 16000 LOPS Or 250 Mills of
for volume require sustained tops busformance, Or more than 16000 DOPS or 250 Mills of throughout per volume.
- Use Cares: Mission Caitical application
lorge desty light worklasty
Such as Mongo DB, Misconseft SQL Sover Cassandra, Oxicle, MySQL & Postgre 801
Cassenha Orch Myson 8. Postare 801
o Thoughbut Optimized HDD (St1) - low-cost HDD volume for froundly accessed worklass with his through frust. -Usecasi - Streaming, worklands, by Late, data warehouse, log processing.
Thought of Commend weeklash
Volume for finding accessed becomes
with high through tout
- USECare - Streaming, workloads, O'g derty
data varehouse, lay processed.
Cold HDD C8C1) - Lowest Cost HDD velume for less-frequently occussed
for less-frequently occurred
worklods.
-180 Cour Prival but - circutal story for love
- USE cases: Through put -opented story for large value of data that is infravaily
Volume of dara their is injuriously
accessed.
Hmazon EBS Snupshots:
wind the first of the state of
· Amozon EBS provides the ability to 8000
Point-in-time supplied of your volume to
Amazon 83.
MMIGZON OS

0 8/12/202) DATE | | | | | | | PAGE 35 (Comment · EBS snapshots are stored @ incrementally, only Contract of the Contract of th the blocks that have changed after 6 Your last snotshot are saved and you are willed only for the changed blocks C · Shopshales are 8 ward can be stored und to instrutage multiple new valumes, Gran extend the size of a volume or move Comme volumes ares Availability Jones when a new Com volume is created, you may charse to Cino Coeate it land on existing Amazon GBS C---Snapshet-<u>__</u> 6 when you delete a snapshot, only the Lata Unique to that snapshot is removed. C C occounts by mulifying the access framus song 2 C You can make capies of your own 8not shots as well as snopshot that Love hun stage with you. Can · Gack account can have up to 5 Concurrent Snepshot Cary Yerrests to a Single destination Region 2

