**EBS SNAPSHOTS & RECOVER PROCESS (WHICH IS USED FOR CHANGING ZONE, VOLUME SIZE OT TYPE)**

Assuming we want to take snapshots of our Database:

* Create &Attach Volume from steps in creating an EBS volume doc.
* Before you mount, make sure you have a created a directory:

mkdir –p /var/lib/mysql …… this is mysql would store its data

* then follow step 2 (creating an EBS volume doc.) to mount
* It is time to install the mqsql service:
* cat /etc/os-release
* yum install mariadb-server –y
* systemctl start mariadb
* systemctl status mariadb
* ls /var/lib/mysql/

**Step to Snapshot Backup & Restore:**

* Make sure you Backup your volume at intervals
* Go to Elastic block storage on the left and click on Volumes
* Select the storage, click actions and create snapshots
* Provide : Description, key= Name & Value= db01-volume-db-snap, click create
* When you loose information and need to restore:
* Assuming you performed these steps by mistake:
* cd /var/lib/mysql/
* rm –rf \*
* systemctl stop mariadb
* First unmount the corrupted volume
* umount /var/lib/mysql/
* fdisk –l
* go to EBS (Volumes), select the damaged volume and click Detach Volume

RECOVER PROCESS (Which is used for changing zone, Volume size ot Type)

* Create a new volume from snapshot
* go to EBS (Snapshots), select the volume to recover from, click action and click create volume.
* You get same options as when you create a volume
* You can change the zone is you want.
* Attach the newly created from snapshot
* Once created, select the volume, click on Action tab above and click Attach Volume
* Please note: Manage Fast Snapshots Restore is for large volumes and extra charges is involved.
* Mount it ….. So it would be replaced and not repaired
* Go to git bash, df –h
* mount –a ….. if it is not mounted automatically as set above
* ls /var/lib/mysql/