

Google Cloud : The Next Level

GCP : SnapShots

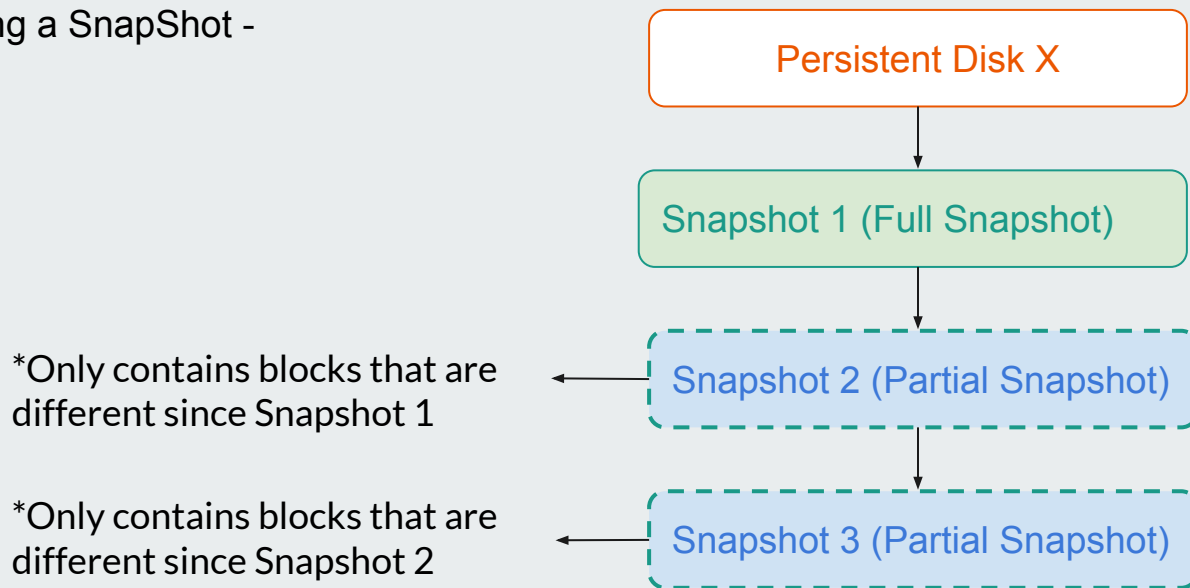


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- Snapshots in GCP, are Disk BackUps.
- Snapshot is useful for periodic BackUps.
- Can be created on Running Instance Disk.
- Share across the Projects.
- You can create Instance Copy in another Zone as well.
- You can create SnapShot of Boot disk or Secondary Disk.

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Creating a SnapShot -



**Snapshot restore combines previous snapshots to create full disk.

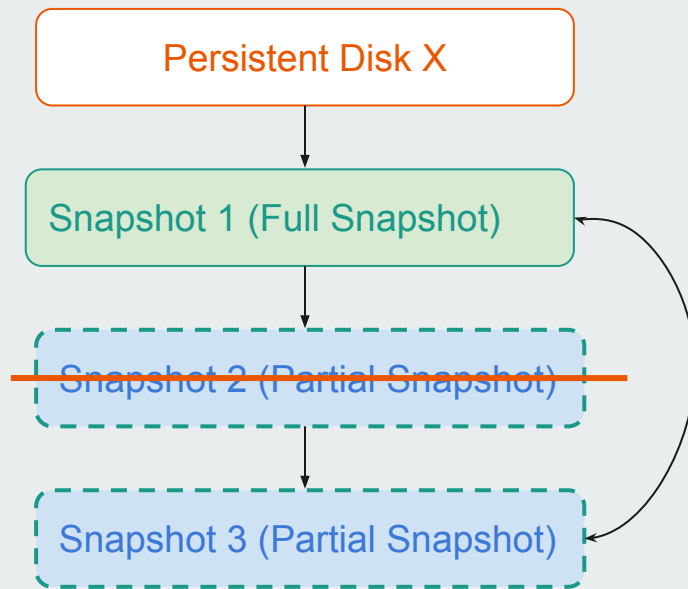
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Delete a SnapShot -

Snapshot 2 is marked as deleted.

Snapshot 1 become the snapshot that snapshot 3 refer.

Snapshot 2 blocks will move to snapshot 3 and snapshot 3 size will increase.



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- Snapshots best practices -
 - Reducing activity while backup disk.
 - Prepare disk for better consistency.
 - Pause application that write the data.
 - If possible, unmount the disk completely.
 - For windows, use VSS snapshot.
 - For Linux, use ext4 snapshot.
 - Take only one snapshot per disk.
 - Scheduling during off hours.
 - Run fstrim before snapshot to cleanup space.

Thank You...

Don't be the Same! Be Better!!!
