Restoring an Amazon EBS Volume from a Snapshot

Overview

You can restore an Amazon EBS volume with data from a snapshot stored in Amazon S3. You need to know the ID of the snapshot you wish to restore your volume from and you need to have access permissions for the snapshot.

New volumes created from existing EBS snapshots load lazily in the background. This means that after a volume is created from a snapshot, there is no need to wait for all of the data to transfer from Amazon S3 to your EBS volume before your attached instance can start accessing the volume and all its data. If your instance accesses data that hasn't yet been loaded, the volume immediately downloads the requested data from Amazon S3, and continues loading the rest of the data in the background.

To restore an EBS volume from a snapshot using the console

1. In the navigation pane, choose Volumes, Create Volume.

2. In the Create Volume dialog box, for Volume Type, choose General Purpose SSD, Provisioned IOPS SSD, or Magnetic.

3. For Size, enter the size of the volume in GiB, or verify the that the default size of the snapshot is adequate.

4. For io1 volumes, in the IOPS field, enter the maximum number of input/output operations per second (IOPS) that the volume can support.

5. In the Availability Zone list, select the Availability Zone in which to create the volume. EBS volumes can only be attached to EC2 instances within the same Availability Zone.

6. For Snapshot, start typing the ID or description of the snapshot from which you are restoring the volume, and select it from the list of suggested options.

7. Choose Create.

This will initiate the process of volume creation. ⏹ Finally, this volume becomes available and can be attached to any of the instances.

Name	Volume ID	Size	Volume Type	IOPS	Snapshot	Created	Availability Zone	State	Alarm Status	Attachment Information	Monitoring	Volume Status	Encrypted
	vol-90c05d2c	10 GiB	gp2	100 / 3000	snap-91978fb3	July 29, 2016 at 10:...	us-west-1b	available	None			Okay	Not Encrypted