[Mounting](http://stackoverflow.com/questions/28792272/attaching-and-mounting-existing-ebs-volume-to-ec2-instance-filesystem-issue) a newly created EBS volume from snapshot to EC2 instance:

Unlike mounting a fresh new volume, mounting a volume created from snapshot (which may have some data already backed up as part of snapshot) needs to be done carefully. Follow the below given steps to do that.

1. Create a volume from snapshot.
2. Attach the volume to EC2 instance.
3. Create a new folder inside the root volume of EC2 instance e.g. /local
4. Execute following command to mount the new volume.

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| --- |
| *>> sudo mount –t ext4 /dev/xvdg /local*  *Here:*  *‘-t’ option is used to specify the file system type.*  *‘ext4’ is a Linux support filesystem type.*  *‘/dev/xvdg’ is the new volume which I created from snapshot.*  *‘/local’ is the folder where we are mounting the new volume.*  Note: we need to ensure that the filesystem type of old volume from which the snapshot was taken should match with the new volume which we are going to mount. |

* You cannot detach a volume which is in use directly from console. You need to first unmount and then detach.
* You can do force detach volume which will first unmount and detach a volume.
* You cannot detach root volume which is /dev/sda1 (/dev/xvda1), if you try to detach then aws console will show an error message ‘vol-09df417bfe6c3847c: Unable to detach root volume 'vol-09df417bfe6c3847c' from instance 'i-079356b1e2215c0b6'’

**Unmounting a volume**:

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| --- |
| >> umount <mount\_point>  e.g. *umount /local* |