**Migrating Your Data to a Larger Volume**

**To migrate your data to a larger volume**

1. Open the Amazon EC2 console at <https://console.aws.amazon.com/ec2/>.
2. In the navigation pane, choose **Instances** and then locate the instance with the volume that you want to expand.
3. Make a note of the instance ID and Availability Zone. You will specify this information when you attach a new volume to the instance later in this topic.
4. Verify that the instance **Shutdown Behavior** is set to **Stop** and not **Terminate**.
   1. Choose the instance.
   2. From the context-menu (right-click) choose **Instance Settings**, and then choose **Change Shutdown Behavior**.
   3. If the **Shutdown behavior** is set to **Terminate**, choose **Stop**, and then choose**Apply**.

If the **Shutdown behavior** is already set to **Stop**, then choose **Cancel**.

1. Stop the instance
2. Create a snapshot of the volume to expand.
   1. In the navigation pane, choose **Volumes**, and then locate the volume you want to expand.
   2. From the context-menu (right-click) choose the volume that you want to expand, and then choose **Create Snapshot**.
   3. Enter information in the **Name** and **Description** fields, and then choose **Yes, Create**.
3. Create a new volume from the snapshot.
   1. In the navigation pane, chose **Snapshots**.
   2. When the status of the snapshot that you just created is set to **completed**, choose the snapshot, and then from the context-menu (right-click) choose **Create Volume**.
   3. In the **Create Volume** dialog box, choose the desired volume type and enter the new volume size. You must also set the **Availability Zone** to match the instance Availability Zone. Choose **Yes, Create**.

**Important**

If you do not set the **Availability Zone** to match the instance then you will not be able to attach the new volume to the instance.

1. Detach the old volume.
   1. In the navigation pane, choose **Volumes**, and then choose the old volume from the list. Make a note of the device name in the **Attachment Information**column:

i-*xxxxxxxxxxxxxxxxx* (*instance\_name*):*device\_name*

* 1. From the context-menu (right-click) choose the old volume, and then choose**Detach Volume**.
  2. In the **Detach Volume** dialog box, choose **Yes, Detach**. It may take several minutes for the volume to detach.

1. Attach the newly expanded volume
   1. In the navigation pane, choose **Volumes**.
   2. From the context-menu (right-click) choose the new volume, and then choose**Attach Volume**.
   3. Start typing the name or ID of the instance in the **Instance** field, and then choose the instance.
   4. Enter the same device name retrieved in [Step 8.a](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-expand-volume.html#storage_expand_volume_attachment_info_step), and then choose **Yes, Attach**. It is important to note that the volume needs to be reattached to the exact location it was detached from (for example /dev/sda1).
2. Restart the instance.
   1. In the navigation pane, choose **Instances** and then choose the instance you want to restart.
   2. From the context-menu (right-click) choose **Instance State**, and then choose**Start**.
   3. In the **Start Instances** dialog box, choose **Yes, Start**. If the instance fails to start, and the volume being expanded is a root volume, verify that you attached the expanded volume using the same device name as the original volume, for example /dev/sda1.