

Disk Expansion on Amazon Web Services

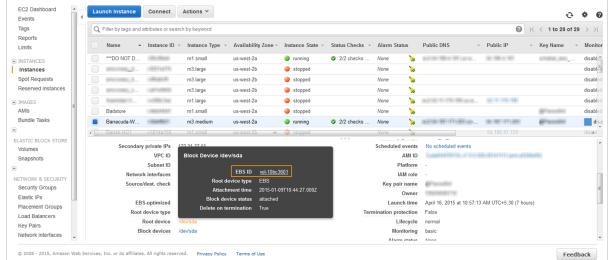
https://campus.barracuda.com/doc/45023475/

Virtual machines (VMs) deployed from Amazon Marketplace prior to April 28, 2015 do not support Disk Expansion. If you deployed prior to this date and want to expand the disk, you must re-deploy using the latest VM AMI available in the Amazon Marketplace.

Perform the steps in this article to expand the deployed Barracuda Message Archiver disk on Amazon Web Services.

Step 1: Note the disk size of the Barracuda Message Archiver and stop the instance

- 1. Log into the <u>AWS EC2 Management Console</u>.
- 2. From the EC2 dashboard, select **Instance** under **INSTANCES**.
- 3. In the **Instances** table, select the Barracuda Message Archiver for which you want to increase the disk size and note the following:
 - 1. Instance ID
 - 2. Availability Zone
 - 3. EBS ID by clicking on the Root device value.



- 4. If the instance is running, ensure you shut down the instance by following the steps below:
 - 1. Right click on the instance, select **Instance Settings** and then select **Change Shutdown Behavior**.



Barracuda-W	m3.medium	us-west-2a	Connect	checks	None	20	10-11-10-10-10-10-10-10-10-10-10-10-10-1	101-001-011-000	er saadid
Bartek-NG1 i-5814a150	m1.small	us-west-2b m	Get Windows Password		None			54.186.97.129	
Instance state	running		Launch More Like This	0.0		Public IP	6-10117-000		
Instance type	m3.medium		Instance State			Flastic IP			
Private DNS	us	-west-2.compute.internal	Instance Settings	Add/Edit	Tags		is-west-2a		
Private IPs	11-11-12-120		Image 🕨 🕨	Attach to	Auto Sca	aling Group	arvind_all_ports . view ru	les	
Secondary private IPs	120-12-12-00		Networking >				No scheduled events		
VPC ID	vpc-		CloudWatch Monitoring >			n Protection	COMPOSITION OF STREET	0.011111.000.000	1991
Subnet ID	subnet			View/Cha					
Network interfaces	eth0			<u>~</u>		Behavior	_		
Source/dest. check	True			Get Syst	em Log		a maaaamaa		
						Owner	796786887181		
EBS-optimized	False				La	aunch time	April 16, 2015 at 10:57:1	3 AM UTC+5:30 (7 hours)

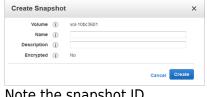
2. In the Change Shutdown Behavior window, select Stop from the Shutdown behavior list and click Apply.



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

Step 2: Create a Snapshot of the Volume

- 1. From the EC2 dashboard, select Volumes under ELASTIC BLOCK STORE.
- 2. In the search filter, enter the EBS ID noted in step 3.c under Step.1: Note the disk size of the Barracuda Message Archiver and stop the instance.
- 3. Right click on the volume, and select **Create Snapshot**.
- 4. In the **Create Snapshot** window, enter a name and description, and click **Create**.



5. Note the snapshot ID.

~	Snapshot Cr	reation Started	
		snap-d292bc50	

Step 3: Create a New Volume for the Snapshot

- 1. From the EC2 dashboard, select **Snapshots** under **ELASTIC BLOCK STORE**.
- 2. In the search filter, enter the snapshot ID noted in step **5** under *Step.2: Create a Snapshot of* the Volume.
- 3. Right click on the snapshot when **Status** displays **completed**, and click **Create Volume**.



- 4. In the **Create Volume** window, do the following:
 - 1. Select the desired volume type and enter a new volume size.
 - 2. Ensure the **Availability Zone** matches the instance **Availability Zone** noted in step **3.b** under *Step.1: Note the disk size of the Barracuda Message Archiver and stop the instance.*
 - 3. Click Create.

Snapshot ID	i	snap-d292bc50 (d	lisk2)	
Туре	i	General Purpose	(SSD) •	
Size (GiB)	i	50	(Min: 50 GiB, Max: 16384 GiB)	
IOPS	i	150 / 3000	(Baseline of 3 IOPS per GiB)	
Availability Zone	i	us-west-2a	•	
Encryption	(i)	Not Encrypted		
			Cancel	Create

5. Note the volume ID.



Step 4: Detach the Old Volume from the Instance

- 1. From the EC2 dashboard, select Volumes under ELASTIC BLOCK STORE.
- 2. In the search filter, enter the **EBS ID** noted in step **3.c** under *Step.1: Note the disk size of the Barracuda Message Archiver and stop the instance.*
- 3. Right click on the volume, and select **Detach Volume**.

EC2 Dashboard		ite Volume		ons 👻										0	• •
Tags	Q	search : vol-	10bc3601	Add filte	r								0 K	< 1 to 1 of	1 >
Reports Limits		Name	- Vo	lume ID 👒	Size	- Volume Type - IOPS	~ S	Snapshot -	Created	- Availability Zone	- State	- Alarm S	tatus	Attachment	Informa
INSTANCES			vol	-10bc3601	50 GiB	Delete Volume	s	nap-52bc93d8	January 9, 2015 at	us-west-2a	🥚 in-use	None	>	(E	Barracud
Instances						Attach Volume									
Spot Requests						Detach Volume									
Reserved Instances						Force Detach Volume									
						Create Snapshot									
IMAGES						Change Auto-Enable IO Setting									
AMIs						Add/Edit Tags									
Bundle Tasks															

4. In the **Detach Volume** window, click **Yes, Detach** to confirm.

Step 5: Attach the New Volume to the Instance

1. From the EC2 dashboard, select Volumes under ELASTIC BLOCK STORE.

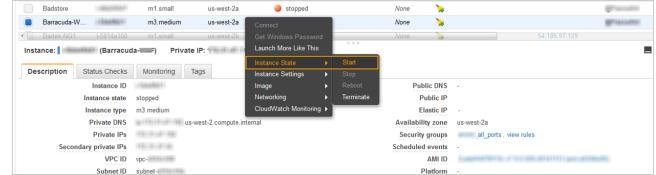


- 2. In the search filter, enter the volume ID noted in step **5** under *Step.3: Create a New Volume for the Snapshot*.
- 3. Right click on the volume, and select **Attach Volume**.
- 4. In the **Attach Volume** window, do the following:
 - Enter the name or instance ID in the **Instance** field, and select the instance noted in step **3.a** under Step.1: Note the disk size of the Barracuda Message Archiver and stop the instance.
 - 2. Ensure the device name is /dev/xvda.
 - 3. Click **Attach**.

Volume	(j)	vol-f0d73ae0 in us-west-2a	
Instance	(i)	(Baceboot)	in us-west-2a
Device		/dev/xvda	
	0	Linux Devices: /dev/sdf through /dev/sdp	
Note: Nev	ver Linux	kernels may rename your devices to /dev/xv	rdf through /dev/xvdp internally, even when the device name entered here (and shown in the details) is /dev/sdf through /dev/sd

Step 6: Restart the Instance to Apply the New Volume

- 1. From the EC2 dashboard, select **Instance** under **INSTANCES**.
- 2. In the **Instances** table, select the Barracuda Message Archiver instance to which the new volume was attached in step **4** under *Step.5: Attach the New Volume to the Instance*.
- 3. Right click on the instance, select **Instance State** and then select **Start**.



4. In the Start Instances window, 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, that is, /dev/xvda.



Figures

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