**Lesson 3 Demo 6**

**Create and Attach an EBS Volume to a Linux Instance**



Steps to be followed:

1. Open the Amazon EC2 console
2. Choose Elastic Block Store, and then Volumes from the navigation pane
3. Create an EBS Volume
4. Attach an EBS Volume to a Linux Instance
5. Convert your private key to PuTTY using PuTTYgen
6. Connect to your Linux Instance

**Step 1: Open the Amazon EC2 console**

1. In the console navigation pane, choose **EC2 Dashboard**





**Step 2: Choose Elastic Block Store, and then Volumes from the navigation pane**



**Step 3: Create an EBS Volume**

1. Click on the **Create Volume** button to create a volume
2. Give the size, availability zone, and click on **Create Volume**. Make sure that the Availability Zone is similar to the instance’s Availability Zone to which you are going to attach the volume.



1. Your volume is successfully created.



**Step 4: Attach an EBS Volume to a Linux Instance**

****

1. Select the volume, click on the **Actions** dropdown menu, and then click on **Attach Volume**



1. Search the instance in which you want to attach the volume



1. Click on **Attach**



1. You have attached the EBS Volume to the instance.
2. Click on the attachment information, which will take you to the instance to which you have attached the volume



**Step 5: Convert your private key to PuTTY using PuTTYgen**

1. From the Start menu, choose All Programs, and then PuTTYgen
2. Under Type of key to generate, choose **RSA**



5.3 Select the **Load** button. By default, PuTTYgen displays only the files with the extension .ppk. To locate your .pem file, choose the option to display all types of files



5.4 Select your *.pem* file for the key pair that you specified while launching your instance, and click on **Open**. PuTTYgen displays a notice that the *.pem* file was successfully imported.

Finally click on the **OK** button



5.5 To save the key in the format that PuTTY can use, click on **Save private key**.

5.6 PuTTYgen displays a warning about saving the key without a passphrase

5.7 Click on the **Yes** button



5.8 Specify the same name for the key that you used for the key pair (for example, mykeypair), and click on the **Save** button. PuTTY automatically adds the .ppk file extension.



5.9 Your private key is now in the correct format for use with PuTTY.

**Step 6:** Connect to your Linux Instance

6.1 From the Start menu, choose All Programs, and PuTTY

6.2 In the Category pane, choose **Session,** and to connect using your instance's public DNS name, enter the public DNS in the host name, and ensure that the Port value is 22



6.3 In the Category pane, expand **Connection,** and then **SSH**. Choose **Auth,** and then click on **Browse**



6.4 Select the *.ppk* file that you generated for your key pair, and click on **Open**



6.5 If this is the first time that you are connecting to this instance, PuTTY will display a security alert dialog box that will ask whether you trust the host to which you are connecting. When you click on the **Yes** button, a window will open, and you will be connected to your instance



6.6 You have created a Linux-based EC2 Instance.

6.7 Give the command **ec2-user,** and then **lsblk**. You have successfully created, and attached an EBS Volume to a Linux Instance.

