1. Sign up in aws console and launch an instance (**ubuntu 14.04**)
2. Download the ssh key file and store in some safe place.  
   **Techrefic-WordPress.pem**
3. Change ssh key file mode to 400 using  
   **chmod 400 Techrefic-WordPress.pem**
4. Connect to remote ubuntu instance first time.

**ssh -i "Techrefic-WordPress.pem"** [**ubuntu@ec2-52-88-204-126.us-west-2.compute.amazonaws.com**](mailto:ubuntu@ec2-54-244-203-85.us-west-2.compute.amazonaws.com)

**5.** Attach EBS Volume to the Newly Made Instance.

Using this link :

<http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-using-volumes.html>

Commands are :

* lsblk
* **sudo file -s /dev/xvdb**
* **sudo mkfs -t ext4 /dev/xvdb**
* **sudo mkdir /data**
* **sudo mount /dev/xvdb /data**

To make these changes permanent on each reboot

* **sudo cp /etc/fstab /etc/fstab.orig**
* **df**
* **sudo file -s /dev/xvdb**

**Add these lines in /etc/fstab**

* **UUID=555f3fe4-abbc-4297-a4a0-34666d156bf71       /data ext4 defaults,nofail 0 2**
* **sudo mount -a**
* **sudo init 6 (restart instance)**

6. **Add Swap Memory to the instance**

  We will use this link for reference

[**https://www.digitalocean.com/community/tutorials/how-to-add-swap-on-ubuntu-14-04**](https://www.digitalocean.com/community/tutorials/how-to-add-swap-on-ubuntu-14-04)

* **sudo swapon -s**
* **free -m**
* **df -h**
* **sudo fallocate -l 2G /swapfile**
* **ls -lh /swapfile**
* **sudo chmod 600 /swapfile**
* **ls -lh /swapfile**
* **sudo mkswap /swapfile**
* **sudo swapon /swapfile**
* **sudo swapon -s**
* **free -m  
  Make the swap permanent by adding a line in /etc/fstab**

**/swapfile   none swap    sw 0 0**

7. Add new non-root sudo user  
 We will do this part with the help of this link<https://www.digitalocean.com/community/tutorials/how-to-create-a-sudo-user-on-ubuntu-quickstart>

* sudo adduser username
* sudo usermod -aG sudo username
* su - username
* sudo ls -la /root

8.  Add new root user to connect via username and password  
 Follow this links for reference  
 <https://www.davidtan.org/how-to-enableallow-root-login-with-password-authentication-on-ubuntu-ec2-instances/>

* sudo vim /etc/ssh/sshd\_config
* Change these two things :  
  PasswordAuthentication no = PasswordAuthentication yes  
  PermitRootLogin without-password = PermitRootLogin yes
* sudo service ssh restart