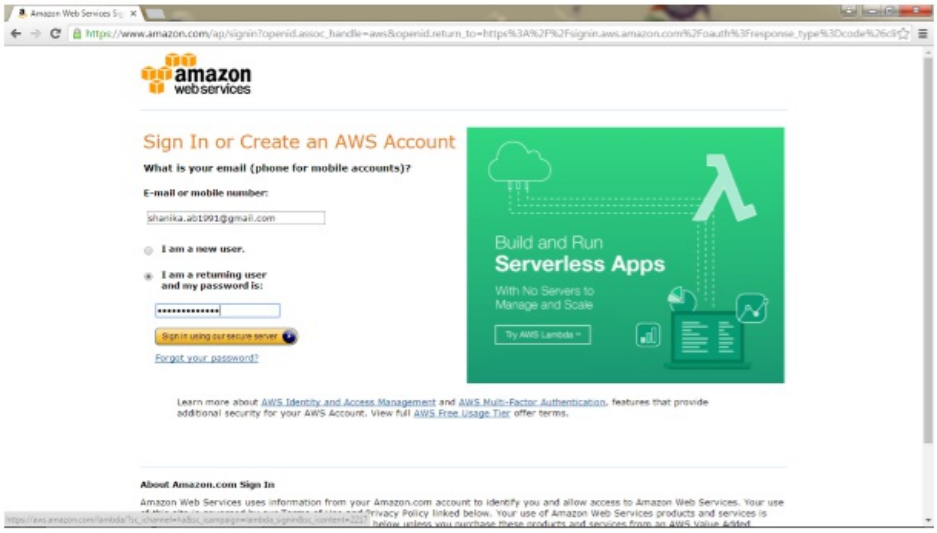
Creating Windows Instance

Step 1

Register for an Amazon Web Services account at http://aws.amazon.com/.

Then Login to AWS Amazon

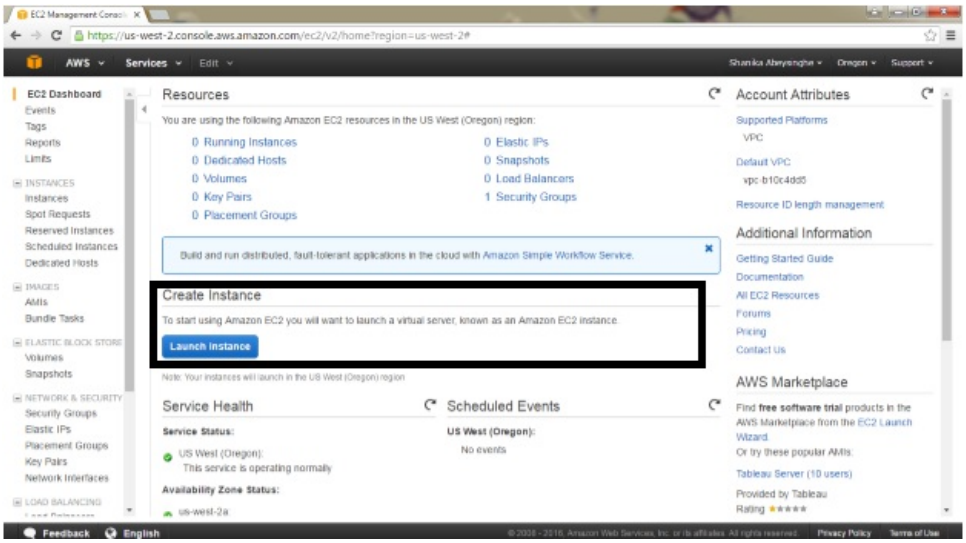


Step 2

Enable EC2 feature Cloud for AWS account at http://aws.amazon.com/ec2/.

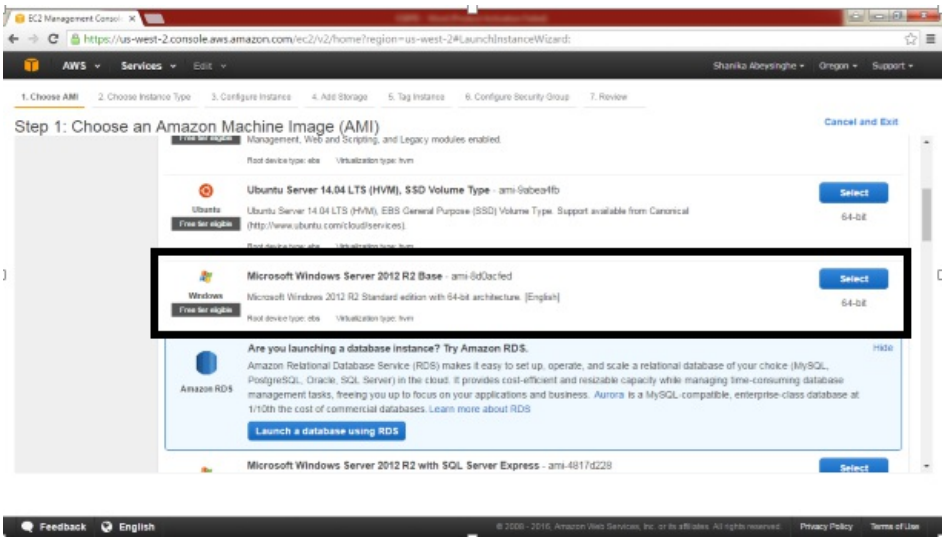
Getting started with Amazon Windows instance

1. Create a EC2 windows instance in Amazon Web Services
2. Click the Launch Instance Button under the “Create Instance” section.



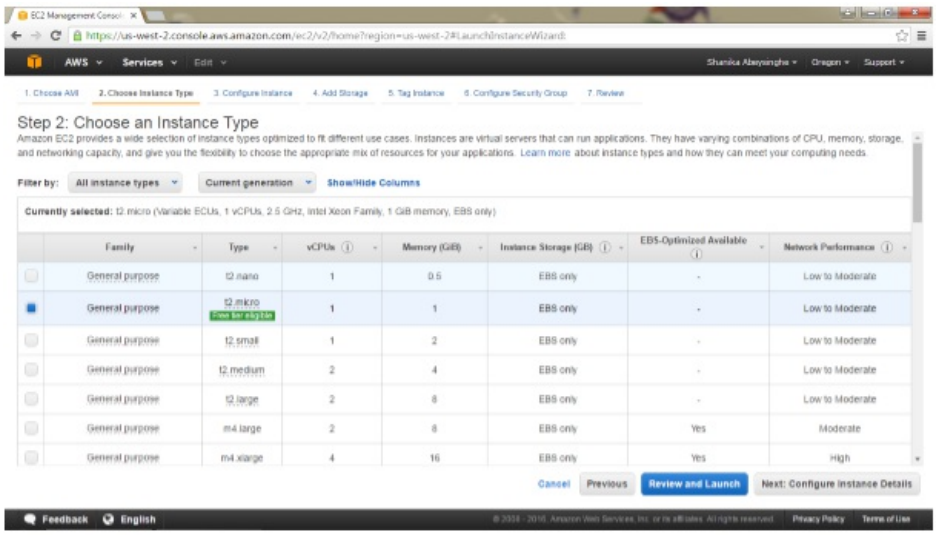
Step 3

Select Microsoft Windows Server 2012 R2 Base (free tier eligible one) as the AMI. Just choose “select” out of the list.



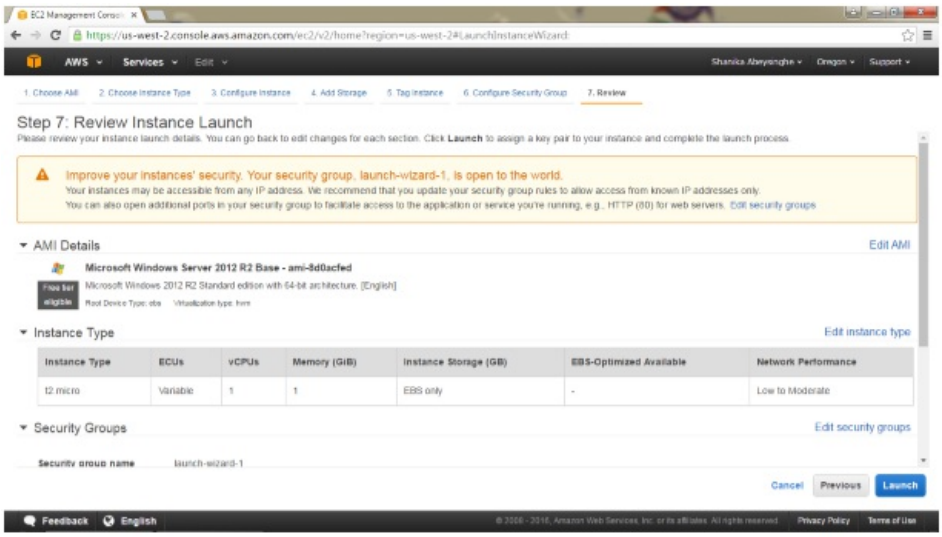
Step 4

Choose t2.micro as the instance type. And click on the configure instance details button



Step 5

Click on the Launch button Under Security Groups

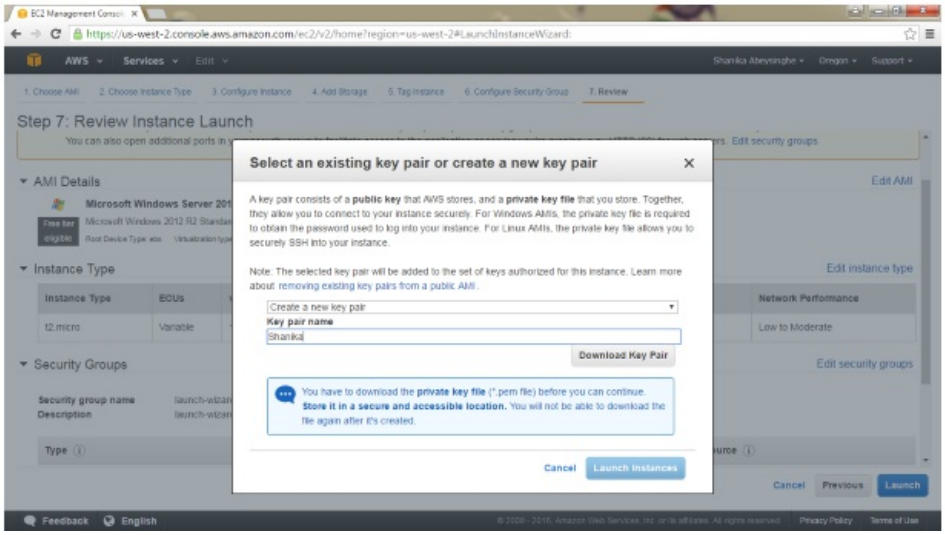


Step 6

Create a new key pair and download the key pair.

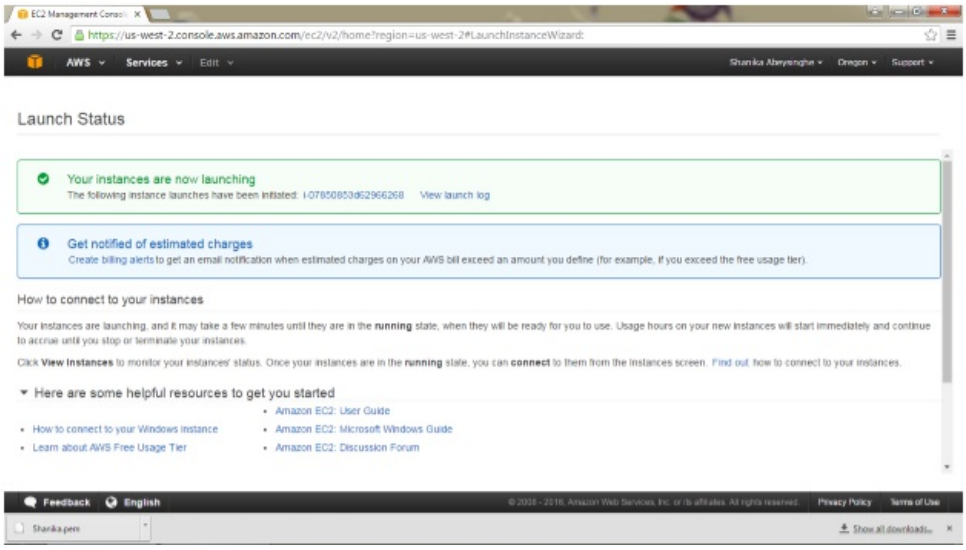
Use the Request Instances Wizard to configure the newly created instance which includes configuring the security, choosing an encryption key, opening ports in the firewall, and kicking off the new instance.

Then launch the instance.



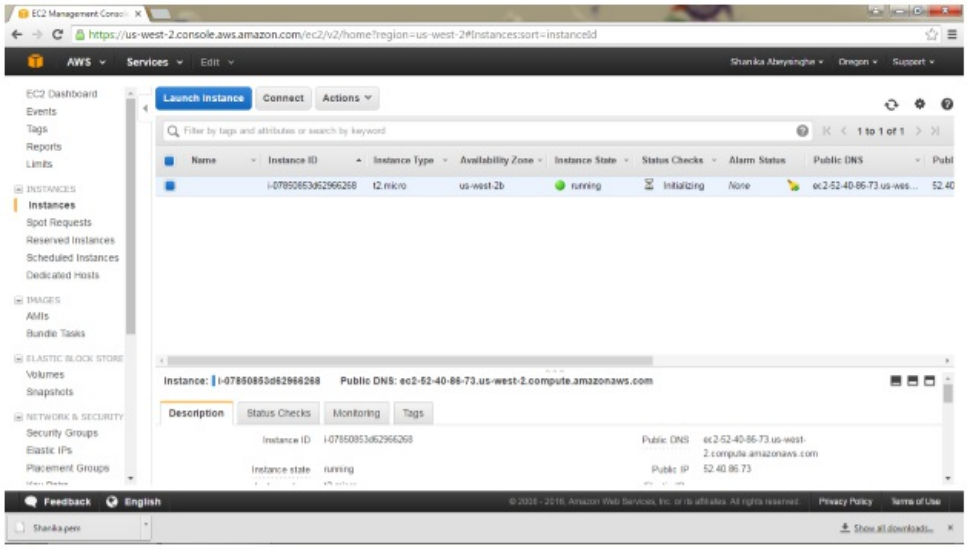
Step 7

Then the launch status will appear.



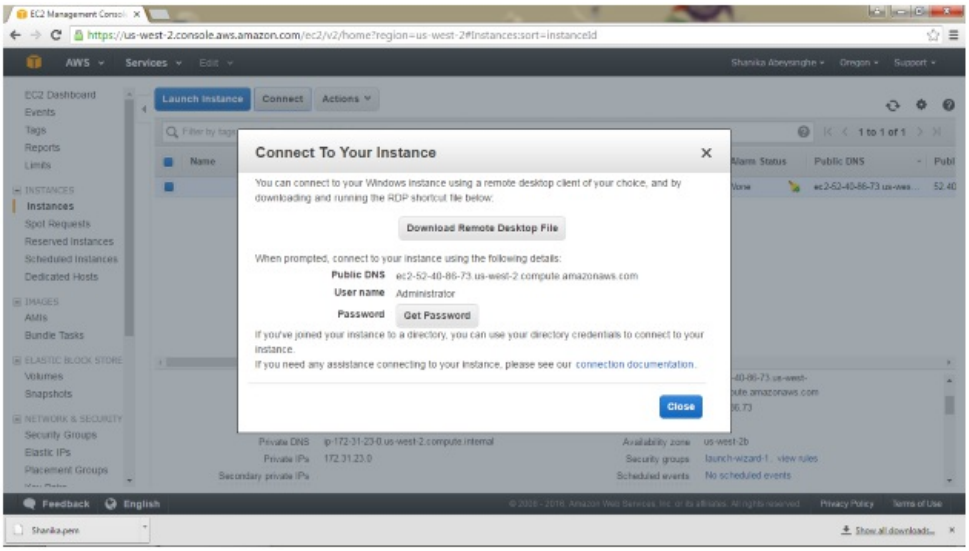
Step 8

Now the instance is running.



Step 9

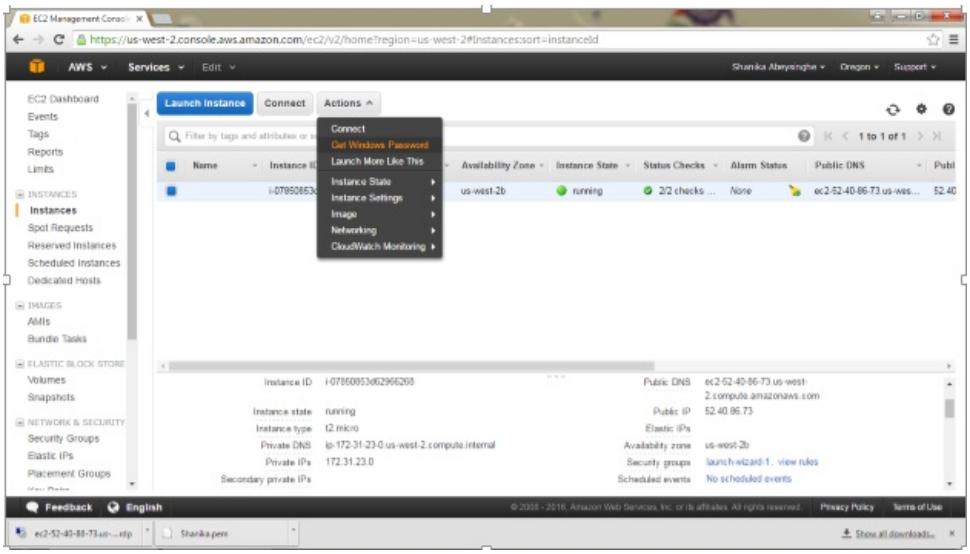
Click on the Connect button to connect to the instance.



Step 10

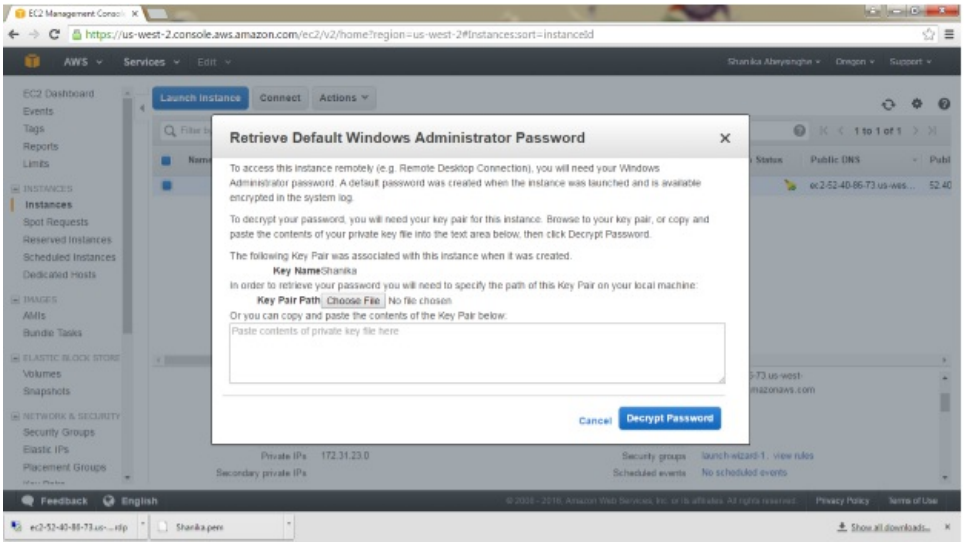
Now we want to login. the system was created with an administrator account which has a strong password. we need to retrieve that password using the “Instance Actions -> Get Windows Admin Password” option.

click on the Get Password button



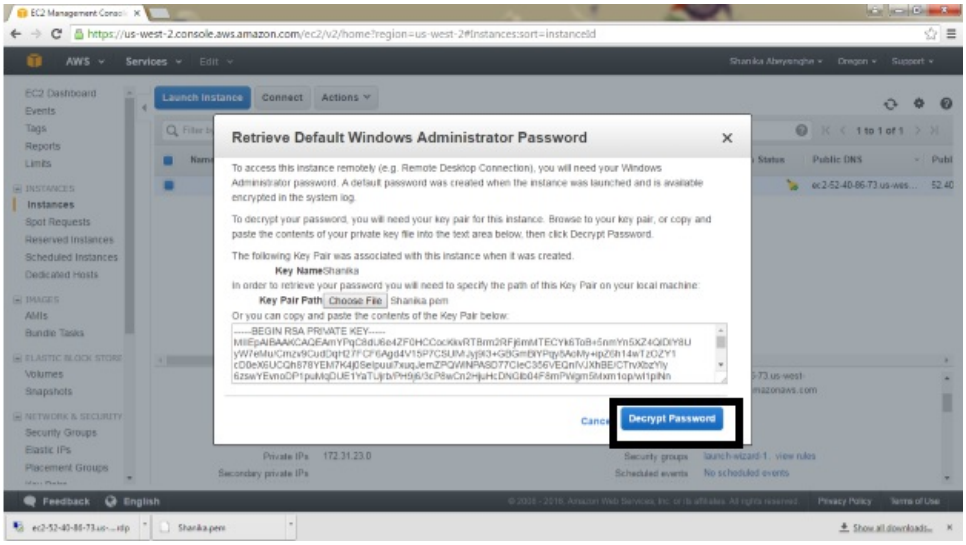
Step 11

After click on the Get Password button, this interface will appear.



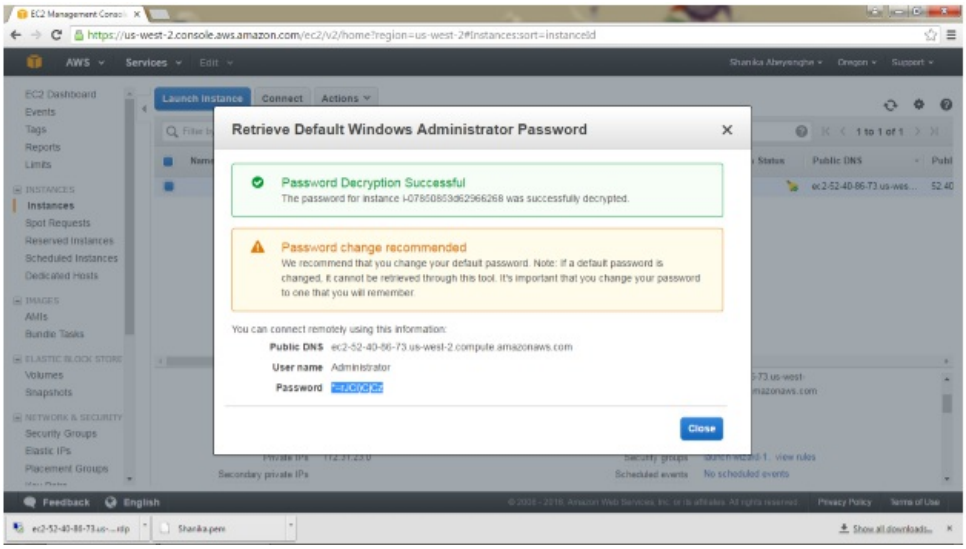
Step 12

Choose the downloaded .pem file.



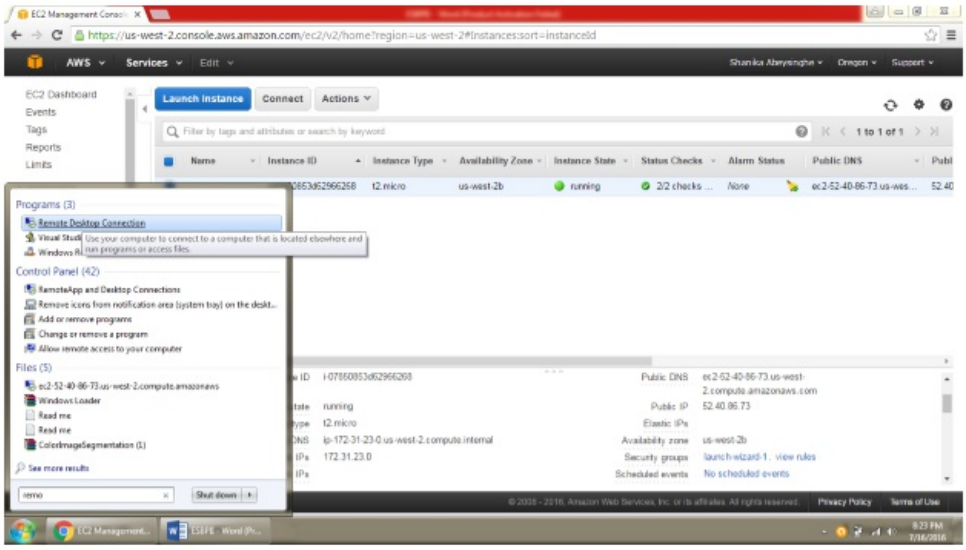
Step 13

Then decrypt the password. Decrypted password will appear.



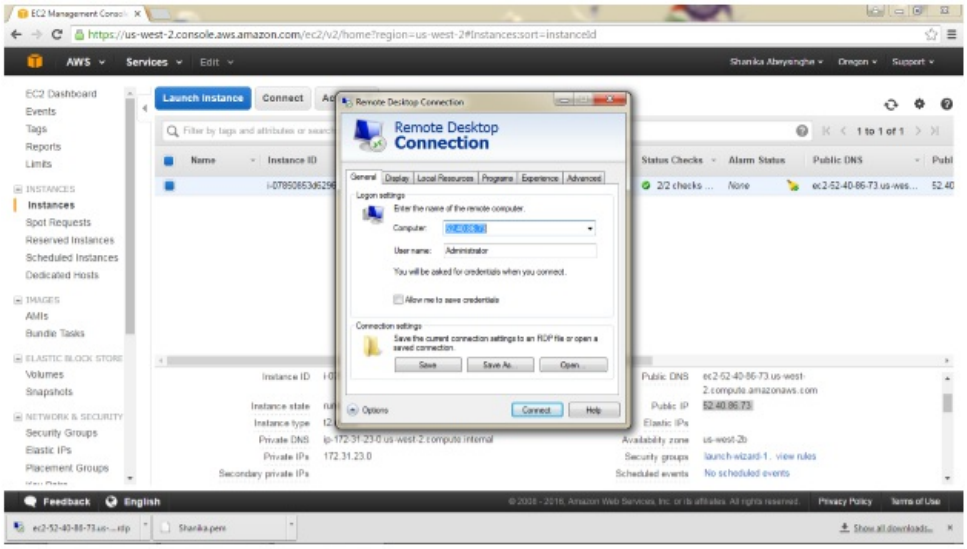
Step 14

Search the Remote Desktop Connection.



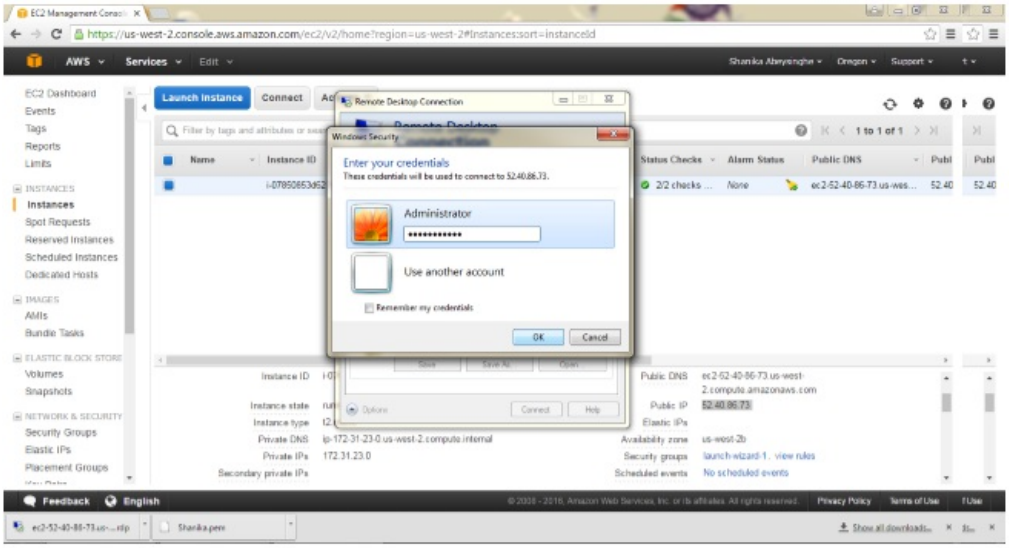
Step 15

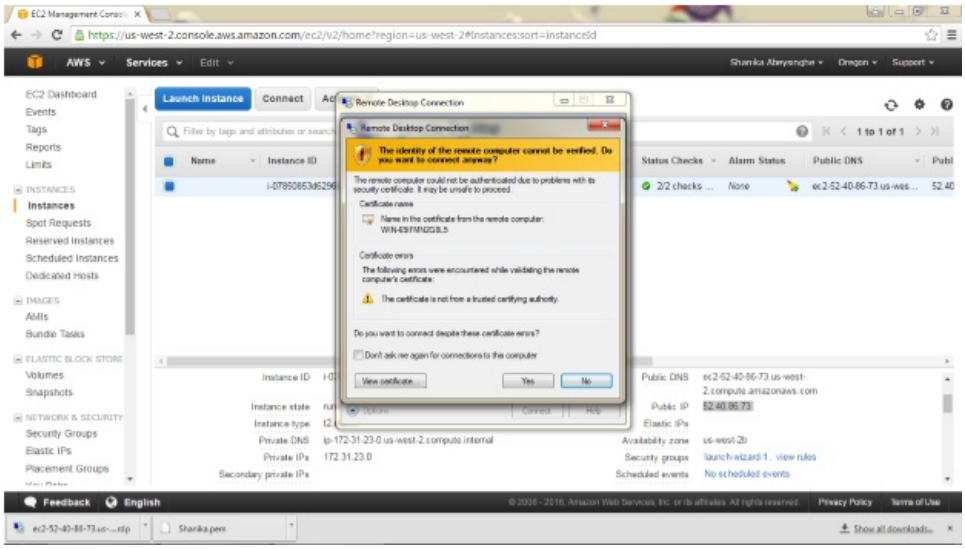
Give the public IP of Instance as the remote computer IP. And click on the Connect button.



Step 16

Enter the credentials. Username- Administrator, Password- the decrypted password.



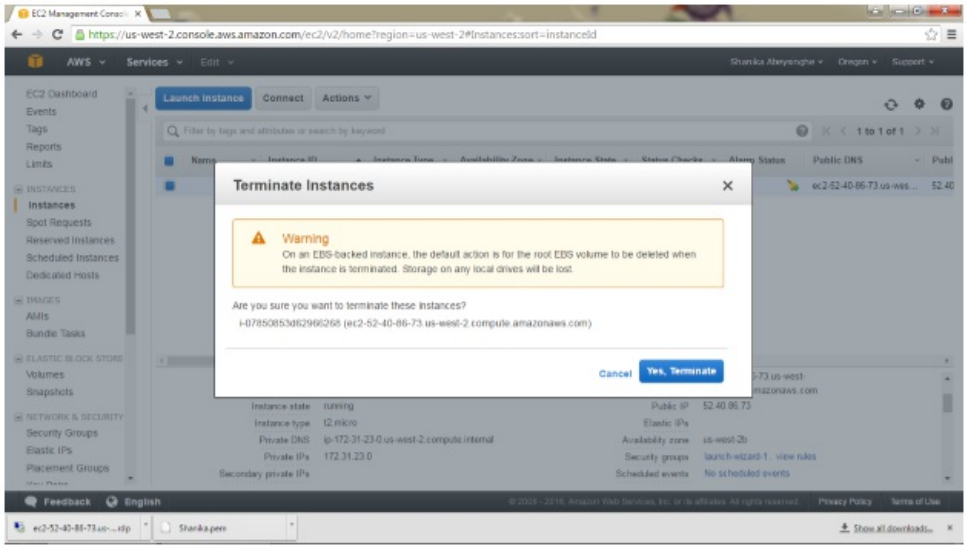


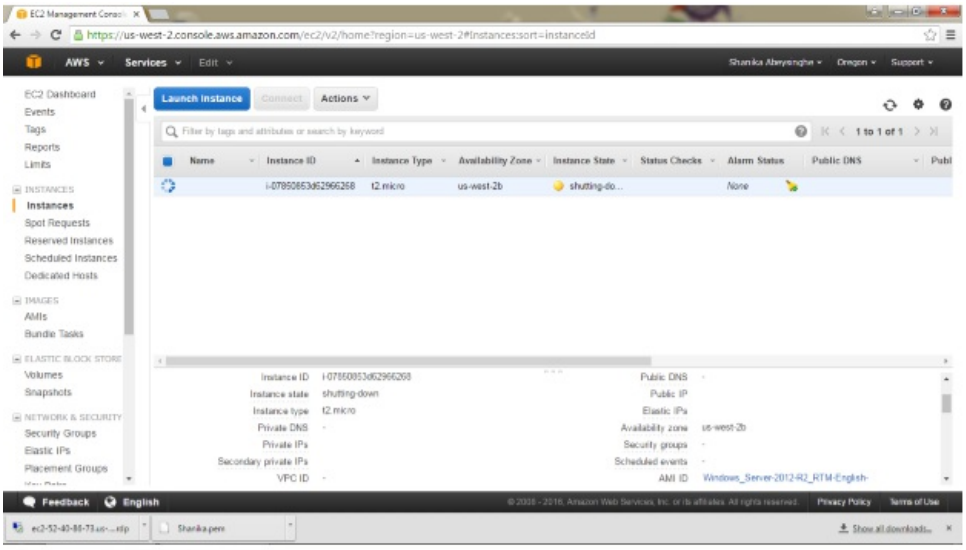
Step 17

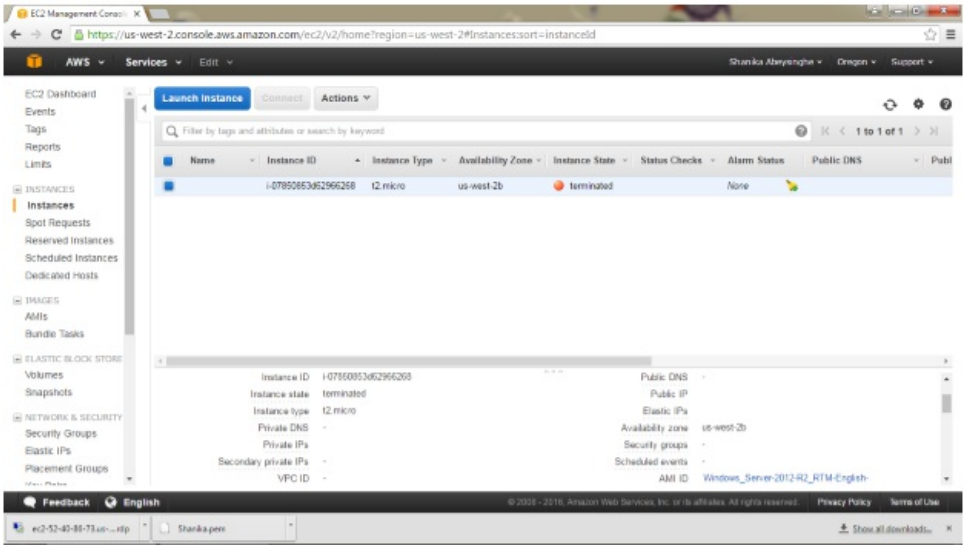
Click yes and your Windows instance will appear.

Step 18

Finally we have to terminate the windows instance.





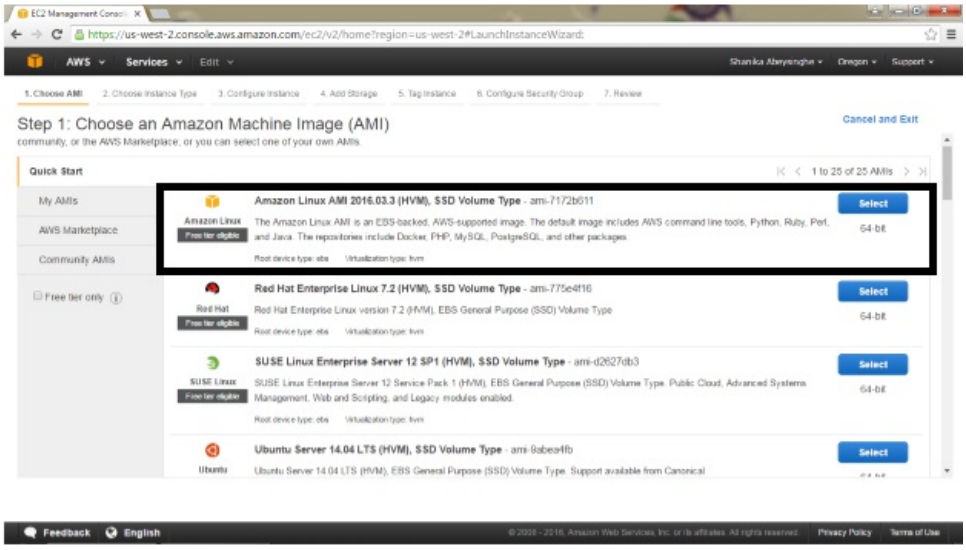


Creating Linux instance

Launch an Amazon EC2 Instance as previous done step 1 and step 2 of creating window instances

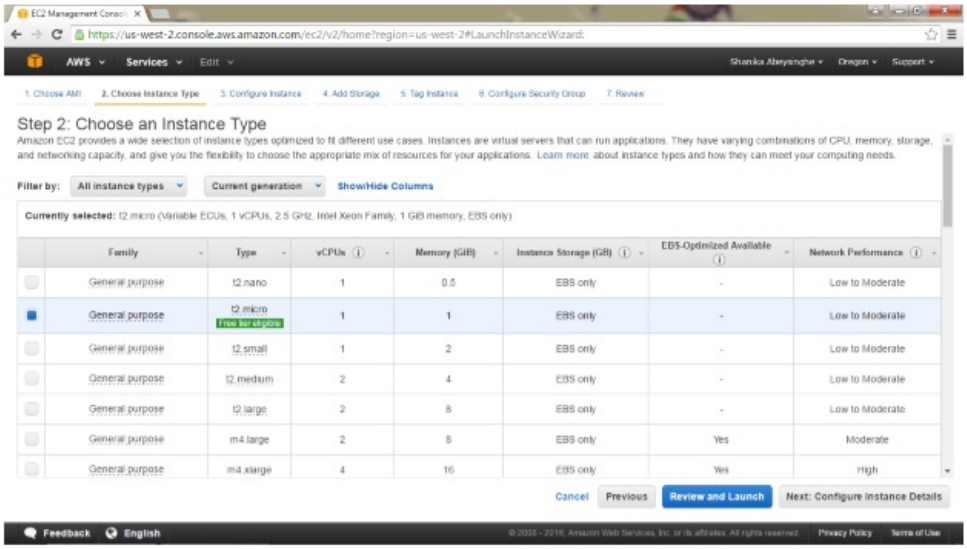
Step 1 and Step 2

Choose an amazon Machine image (AMI) as Amzon Linux AMI Select Amazon Linux AMI or Red Hat Enterprise Linux.



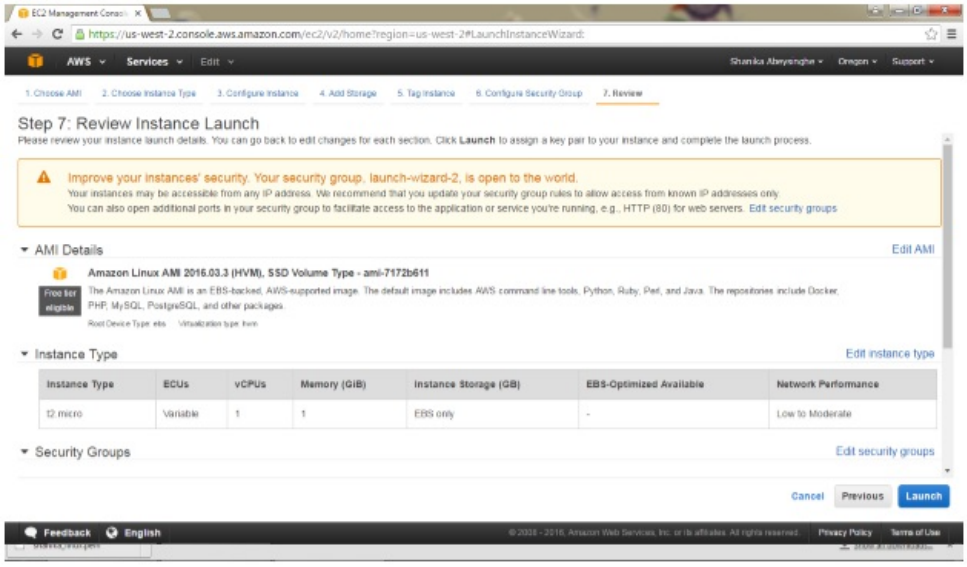
Step 3

The default option of t2.micro should already be checked. This instance type is covered within the Free Tier and offers enough compute capacity to tackle simple workloads. Then Click **Review and Launch** at the bottom of the page.



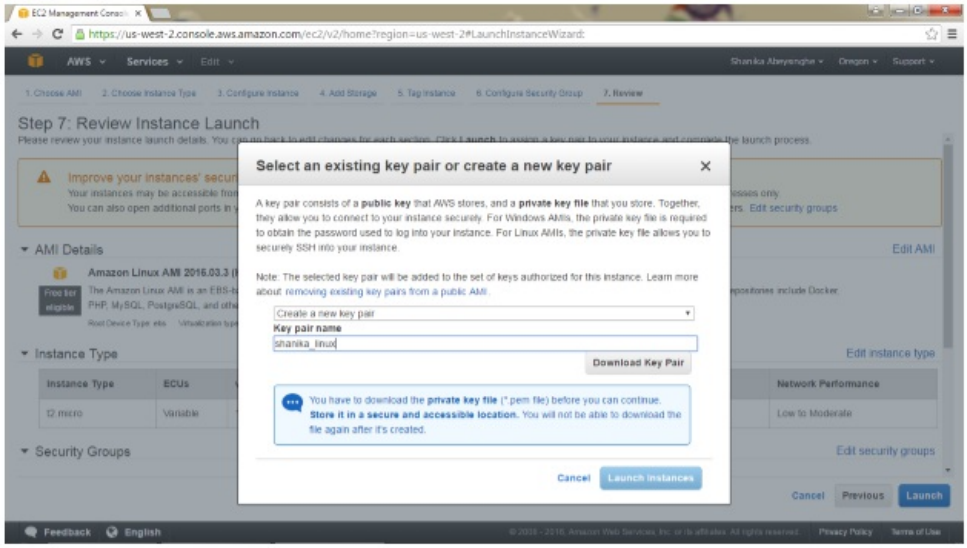
Step 4

After Clicking by the **Review and Launch** button it will appear the **Review Instance Launch** window . Then Click the **Launch** button under the **Security Groups**



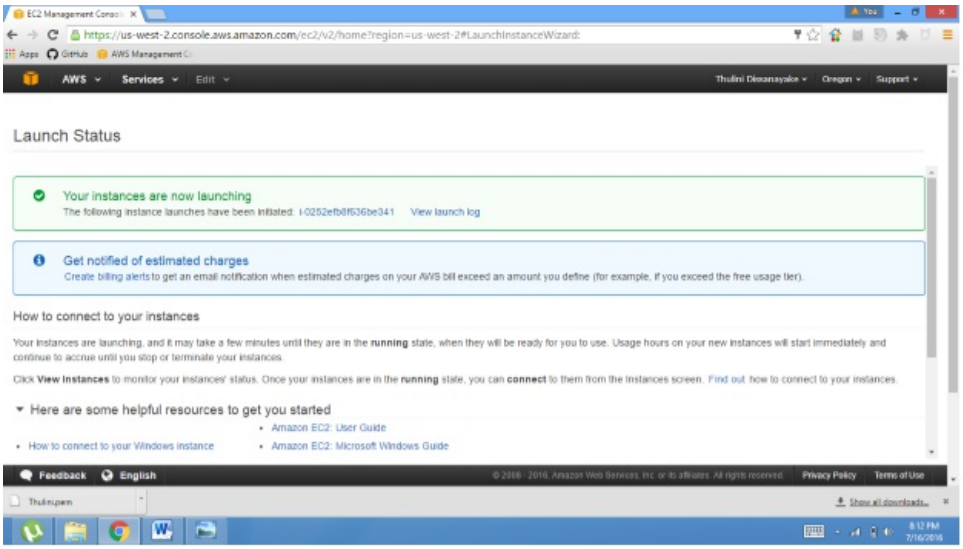
Step 5

On the next screen it will be asked to choose an existing key pair or create a new key pair. Select Create a new key pair and give the Suitable name for it. Next click the Download Key Pair button. Then Click on the **Launch Instances** Button.



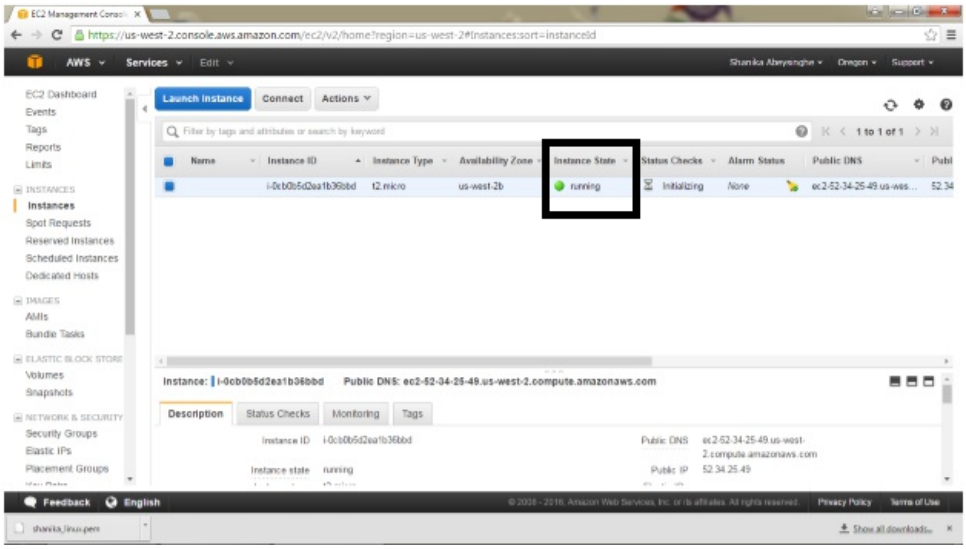
Step 6

Then it will appear **Launch Status** window. After few minutes it will launching the instance.



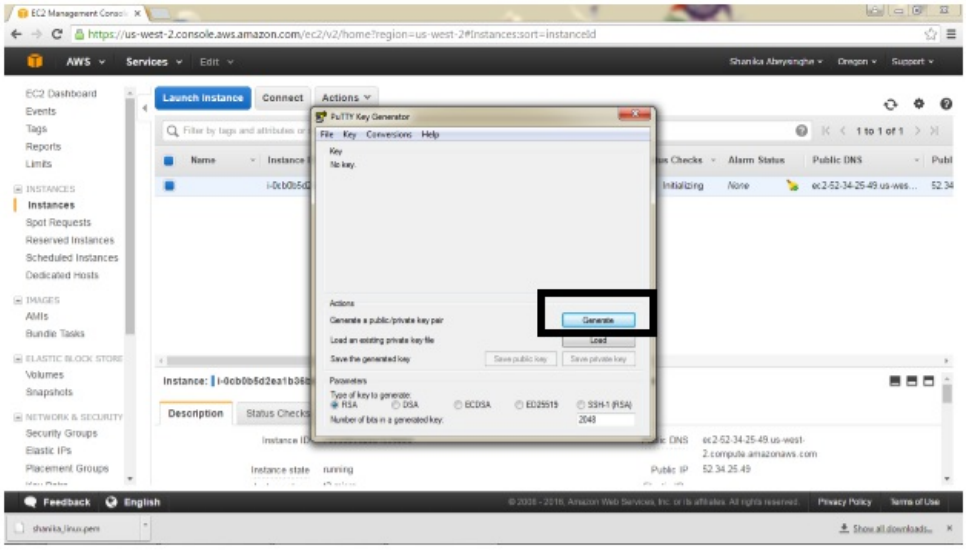
Step 7

Now instances are launching and it will take few minutes to change instance state to running state.



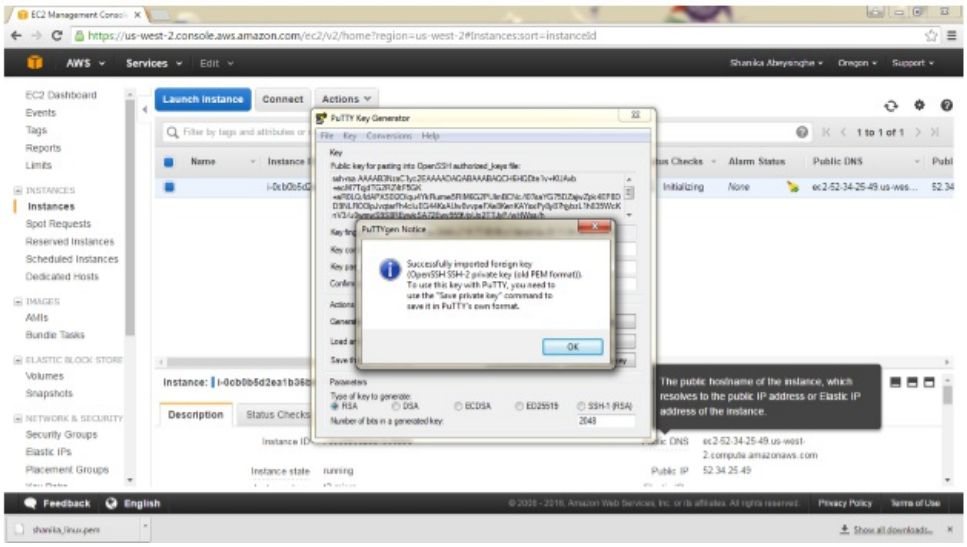
Step 8

Now we should have to run puttykey Generator to get the prublic key. then Click the **Generate** button

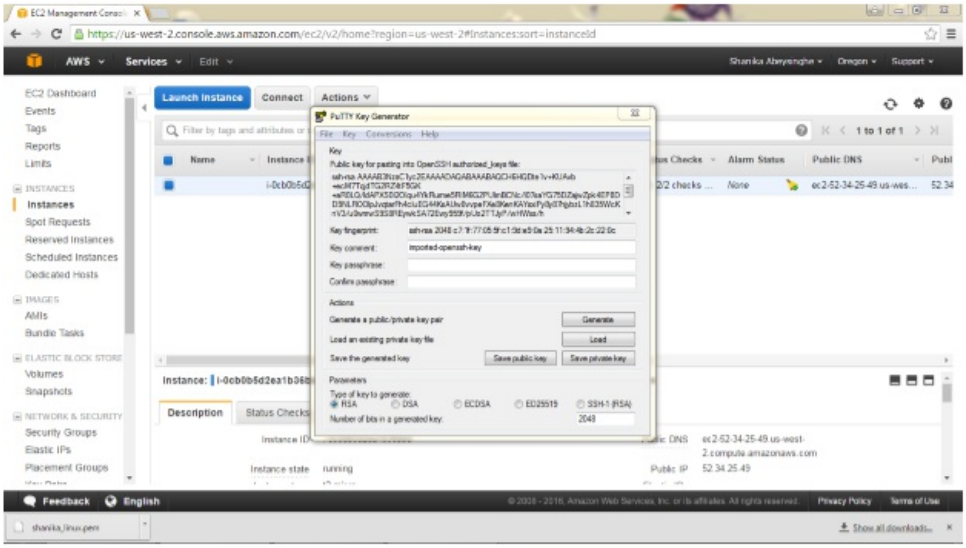


Step 9

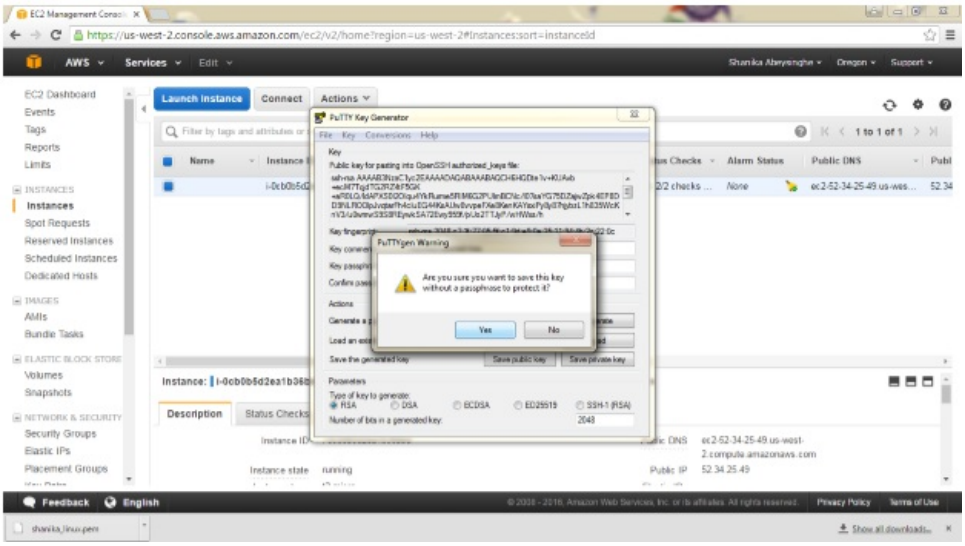
Now load the private key we downloaded in the puTTY and load it in to Key by clicking the **Load** button



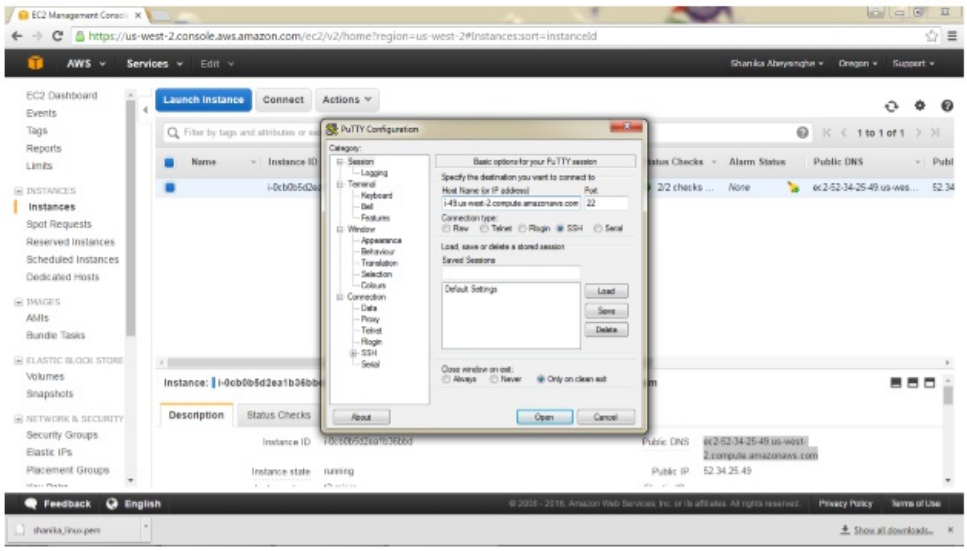
then we have to save the key. to do that click on the **Save Public key** button



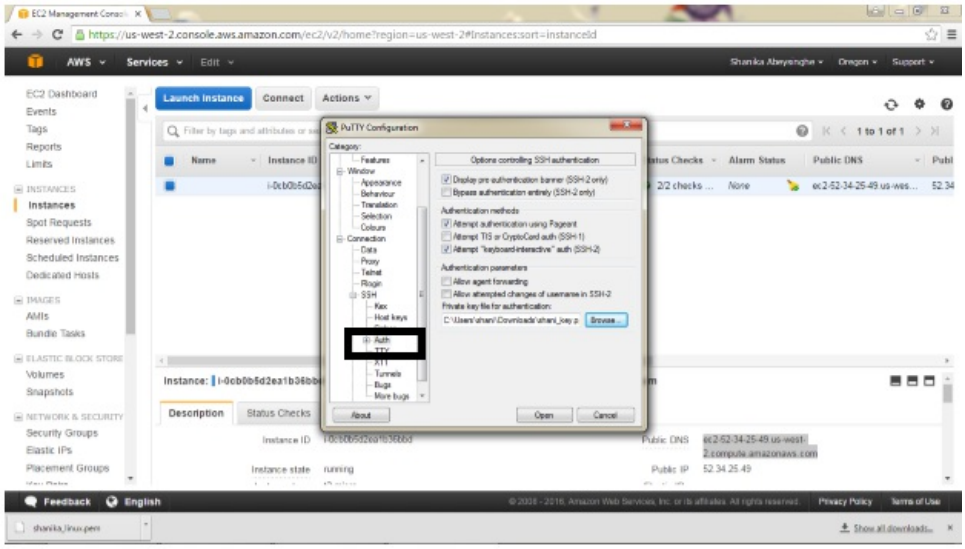
Then run the puTTY Configuration software.



In that we have to select the Connection field under the Category. and select the **Auth**

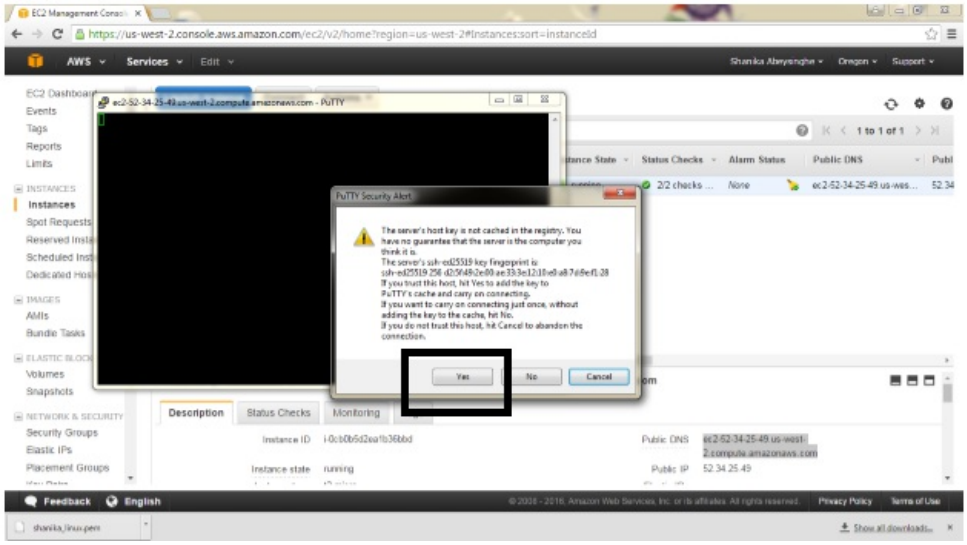


Then under that field we have to browse the download key pair(.pem file) and then click open.



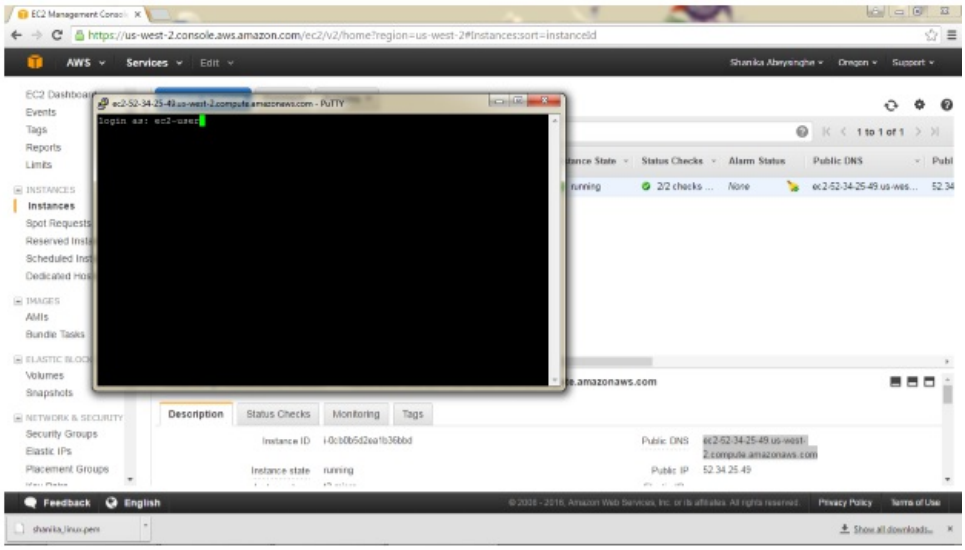
Step 10

Now it will appear the console. It will shoe the puTTY security alert and in that message click on the **yes** button



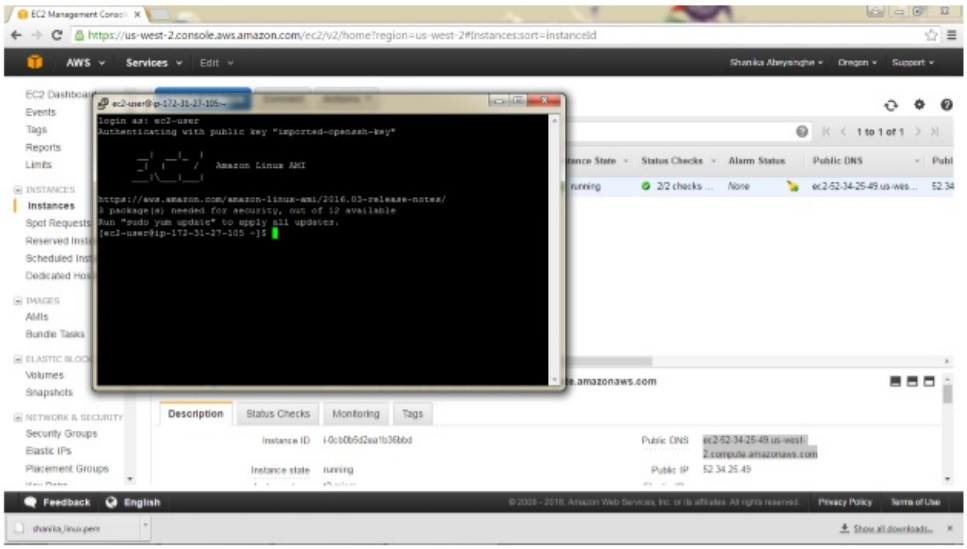
Step 11

Now console appeared. then we have to give login as --> ec2-user



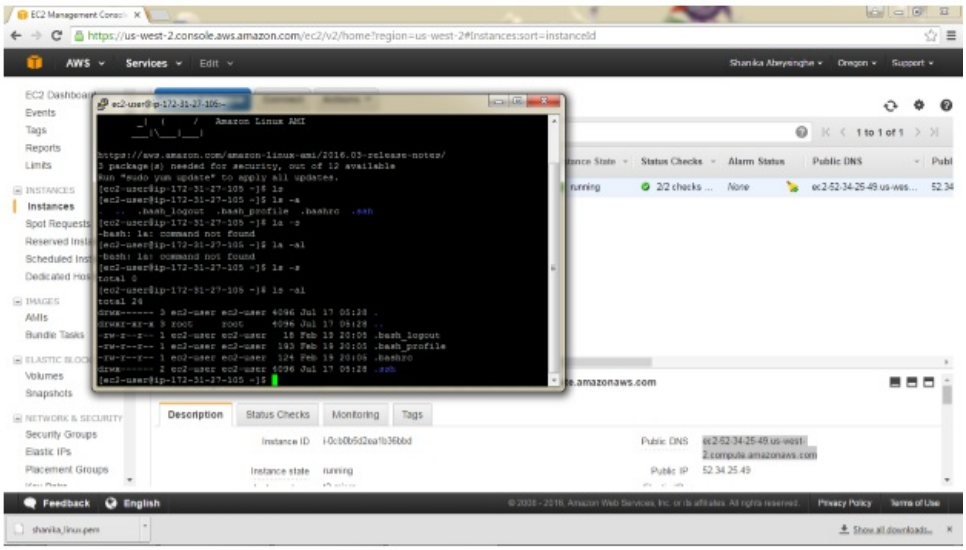
Step 12

Now it will Authenticate the public key and open the Amazon Linux AMI



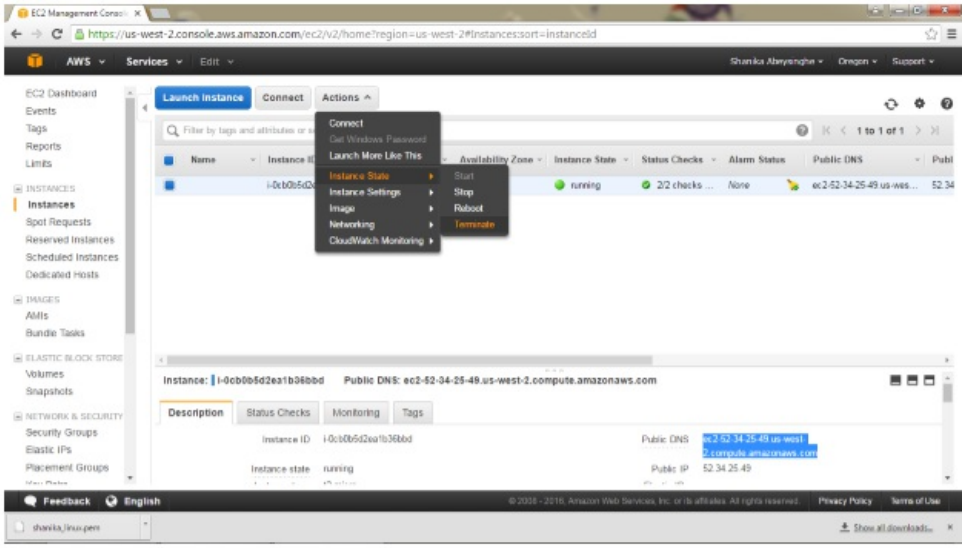
Step 13

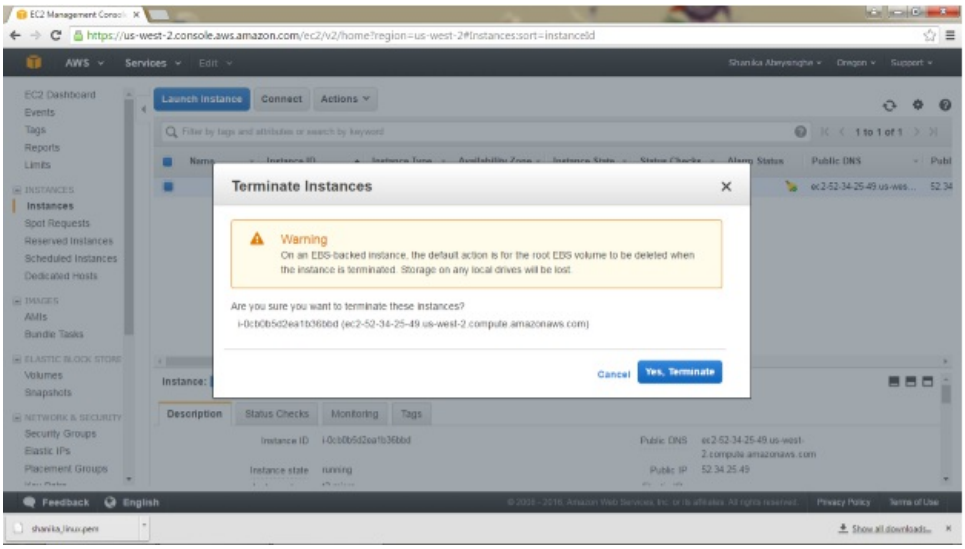
Now we can type our commands here

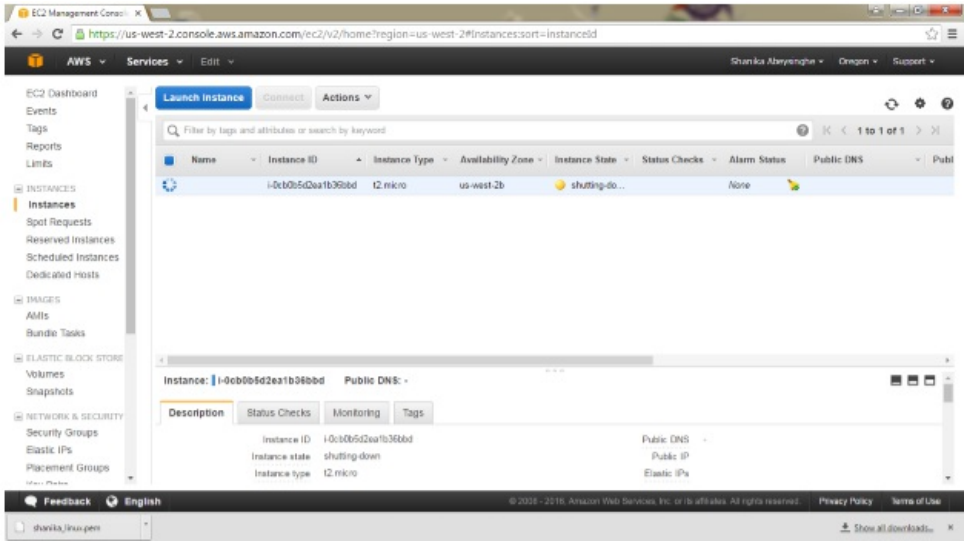


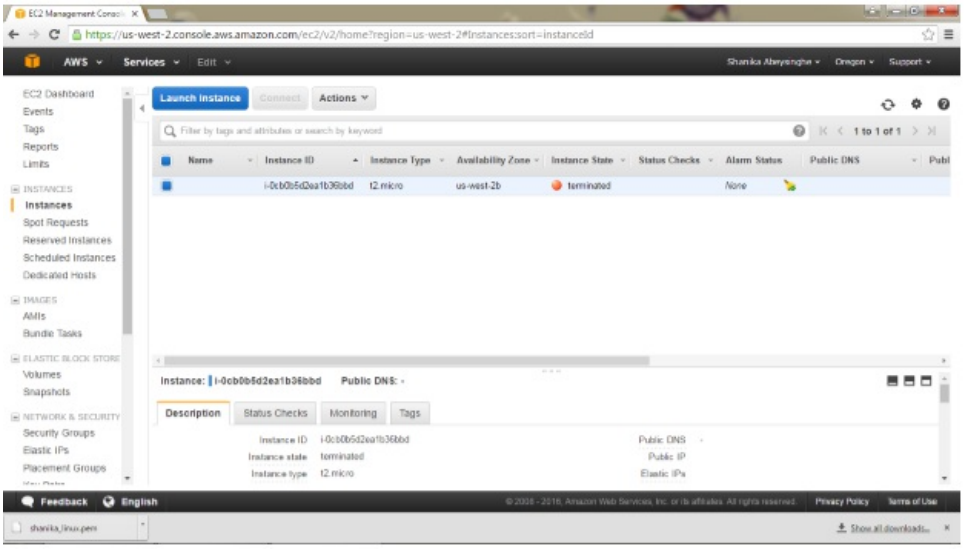
Step 14

Finally we have to terminate the windows instance.


EC2 Management Console
https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#Instances:sort=instanceId
AWS
Services
Edit
Launch Instance
Connect
Actions
Connect
Get Windows Password
Launch More Like This
Instance State
Instance Settings
Image
Networking
CloudWatch Monitoring
Start
Stop
Reboot
Terminate
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Name
Instance ID
Availability Zone
Instance State
Status Checks
Alarm Status
Public DNS
running
2/2 checks ...
None
1 to 1 of 1
Instance: i-0cb0b5d2ea1b36bbd Public DNS: ec2-52-34-25-49.us-west-2.compute.amazonaws.com
Description
Status Checks
Monitoring
Tags
Instance ID i-0cb0b5d2ea1b36bbd
Instance state running
Public DNS ec2-52-34-25-49.us-west-2.compute.amazonaws.com
Public IP 52.34.25.49
Feedback
English
Privacy Policy
Terms of Use


Terminate Instances
Warning
On an EBS-backed instance, the default action is for the root EBS volume to be deleted when the instance is terminated. Storage on any local drives will be lost.
Are you sure you want to terminate these instances?
i-0cb0b5d2ea1b36bbd (ec2-52-34-25-49.us-west-2.compute.amazonaws.com)
Cancel
Yes, Terminate

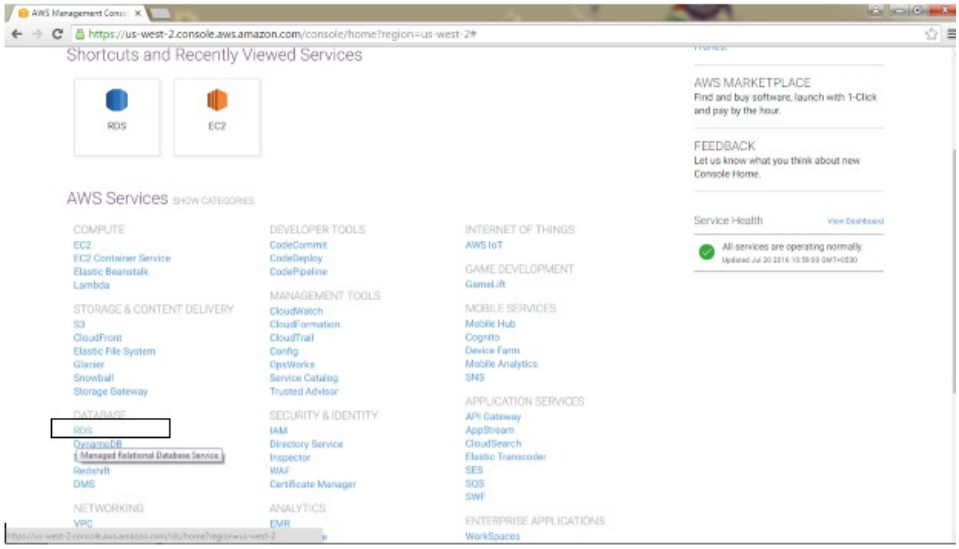

Launch Instance
Connect
Actions
Instance: i-0cb0b5d2ea1b36bbd Public DNS:
Description
Status Checks
Monitoring
Tags
Instance ID i-0cb0b5d2ea1b36bbd
Instance state shutting-down
Instance type t2.micro
Public DNS
Public IP
Elastic IPs



Creating a MySQL database instance

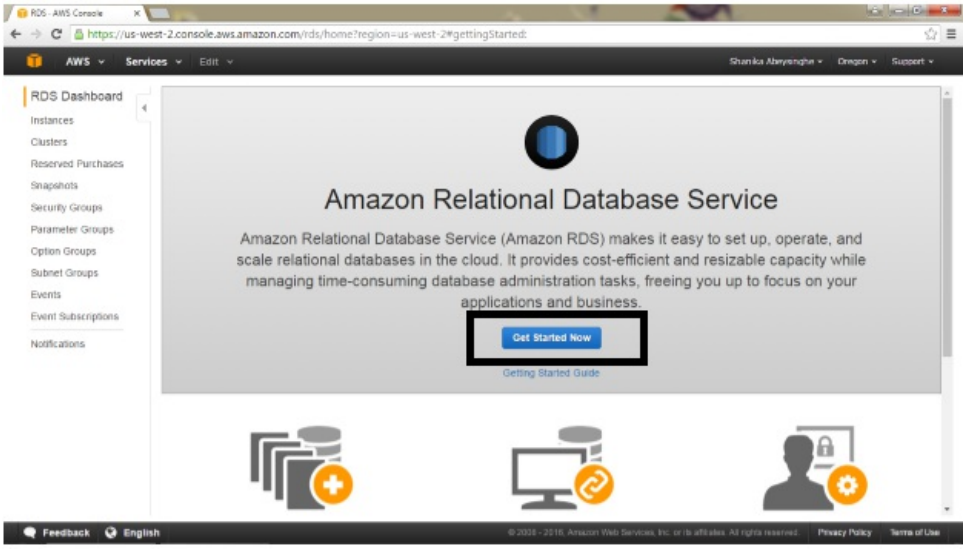
Step 1

sign into the AWS Management Console and open the Amazon RDS under Database category



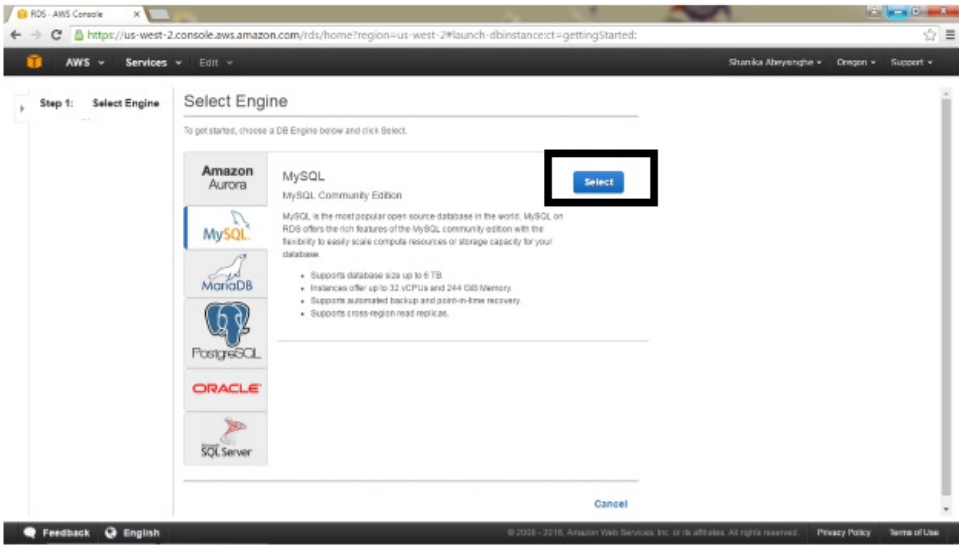
Step 2

Now it will appear RDS dash Board and we have click on the **Get Started Now** button.



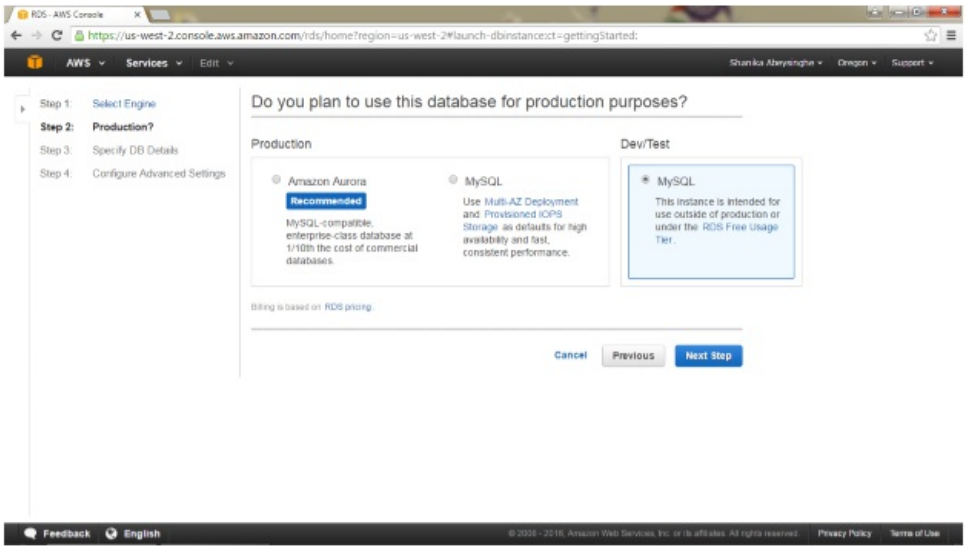
Step 3

Now select the MySQL as select engine. then Click on the Select button



Step 4

Then Click mySQL under Dev/Test and click on the New Step



Step 5

Then we have to specify the DB Details

• DB Engine Version: Use the default engine version

• DB Instance Class: db.t2. small

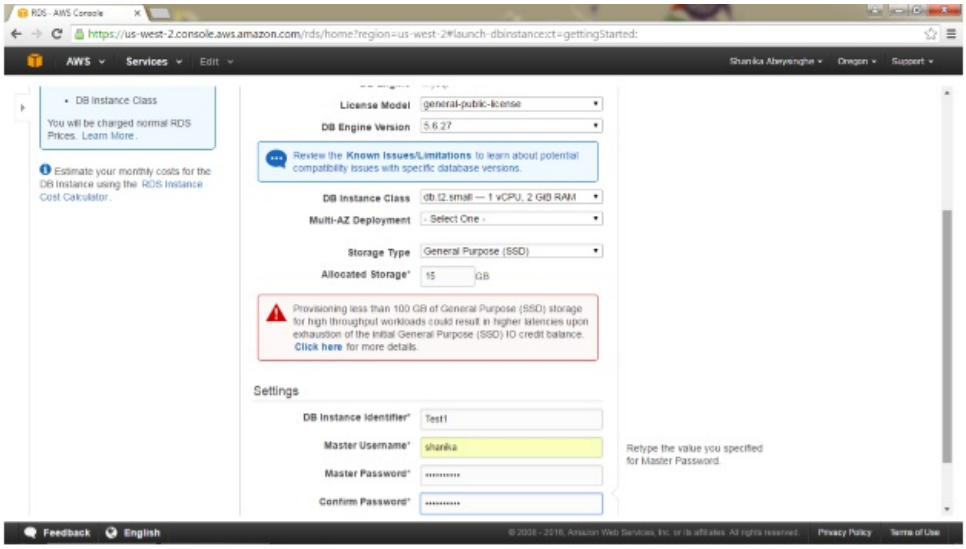
• Multi-AZ Deployment: No

• Allocated Storage: 15 GB

• DB Instance Identifier*: Test1

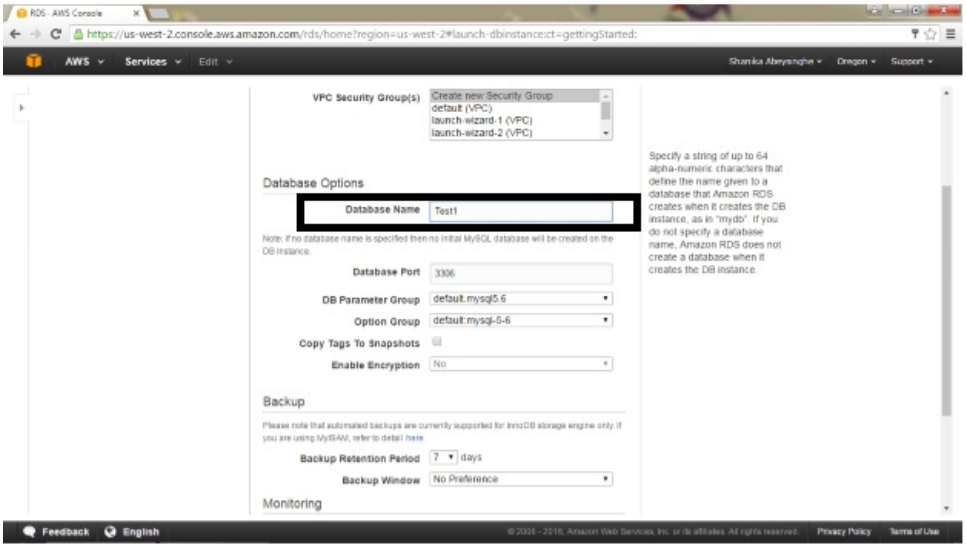
• Master User Name*: Shanika

then choose suitable password as master password and click on the next button



Step 6

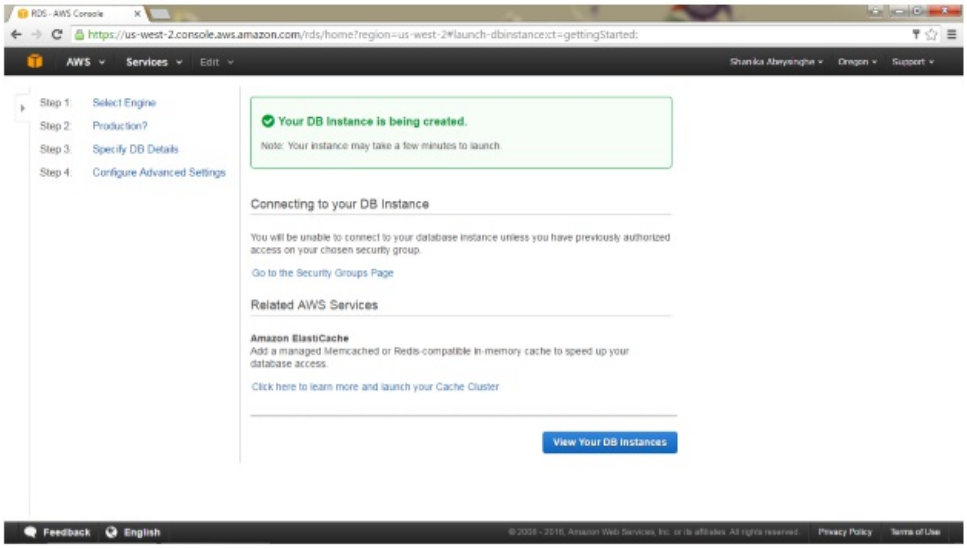
write Database name as Test1 under Database Options and click on the launch Button



Step 7

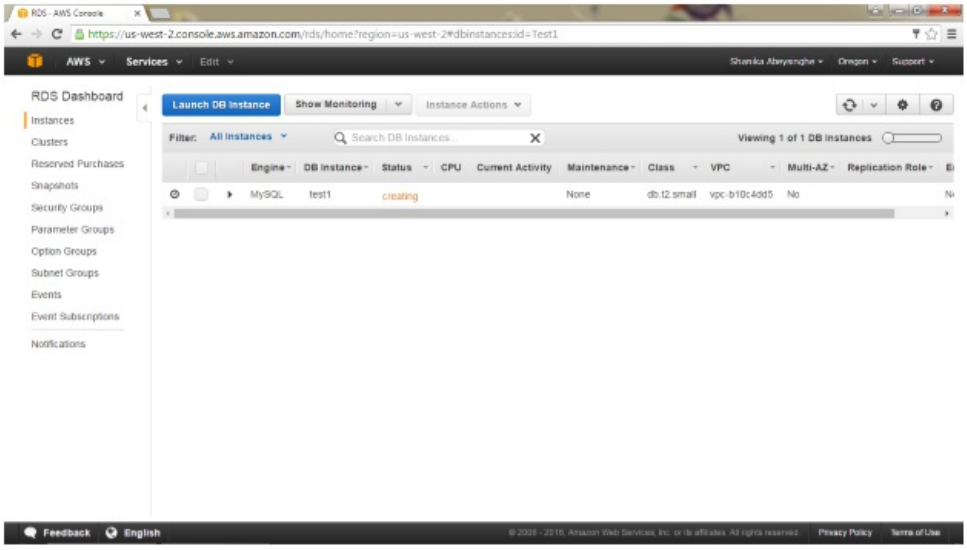
Now DB instance Being Created

now select the **View Your DB Instances** button

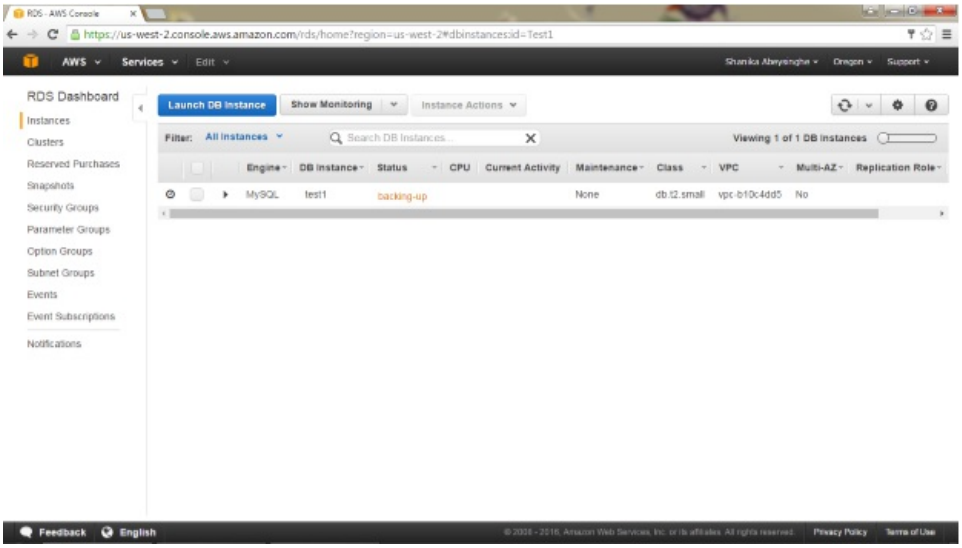


Step 8

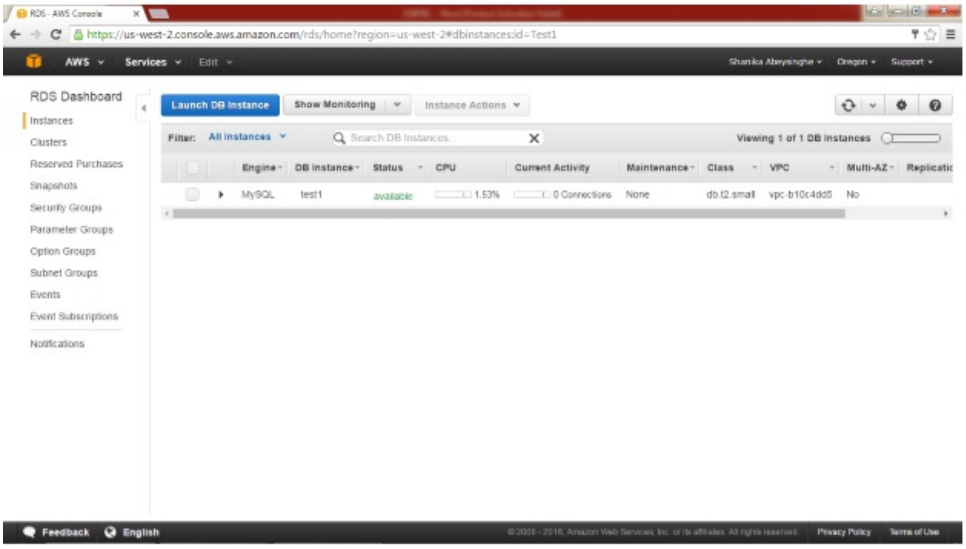
Now DB instance is Creating



Under Instances option of the left navigation menu, monitor your new DB instance until the status changes from creating to available.



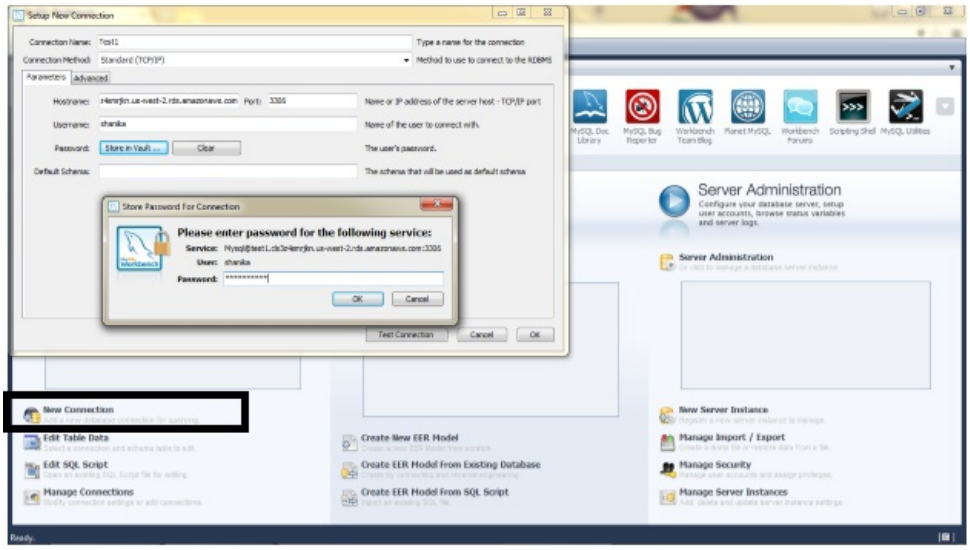
This may take up to 5 minutes as the database is being created and backed up.



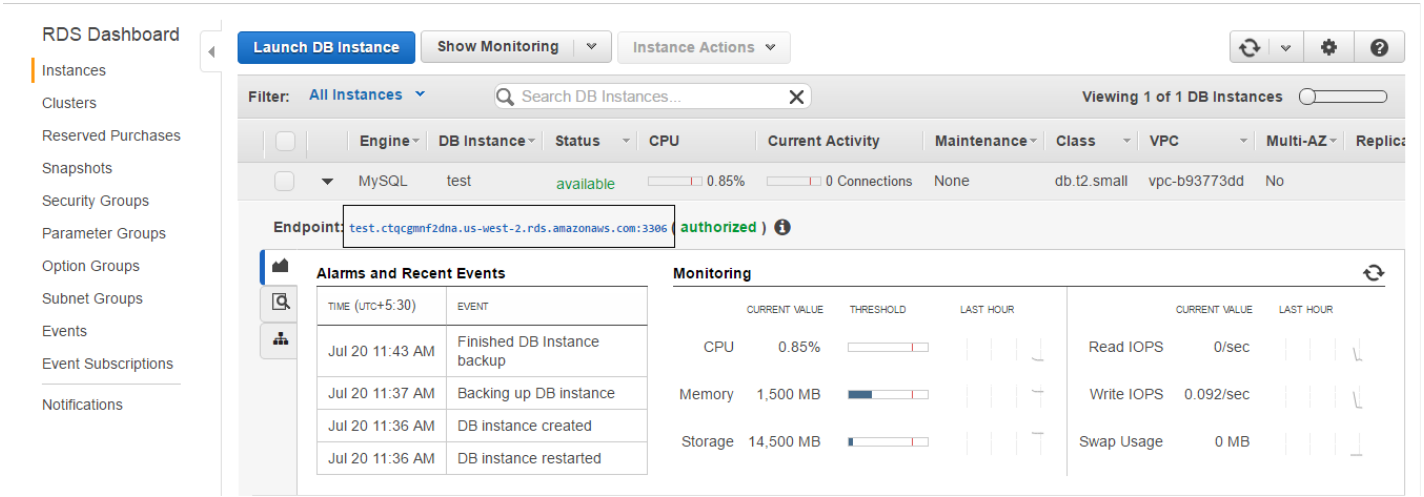
Step 9

Once your RDS instance is available, we are ready to use this newly created MySQL database instance (in the cloud) from our MySQL workbench.To do this open the MySQL work bench.

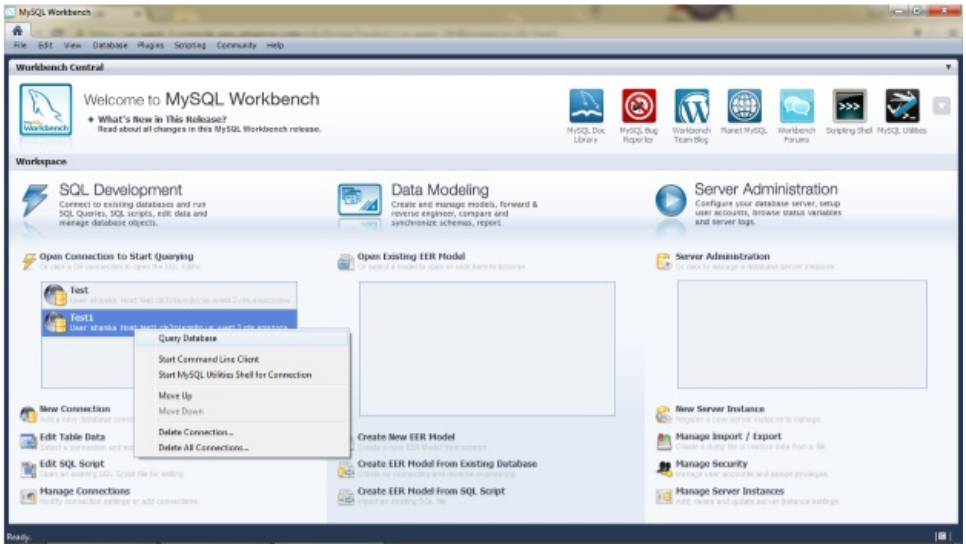
then select **New Connection** button



To set up New Connection, Connection Name - Test1 Host Name - End Point name of DB identifier Then click on the **Store In value** and then it will appear message box asking for password. then we have to enter the master password here and click OK

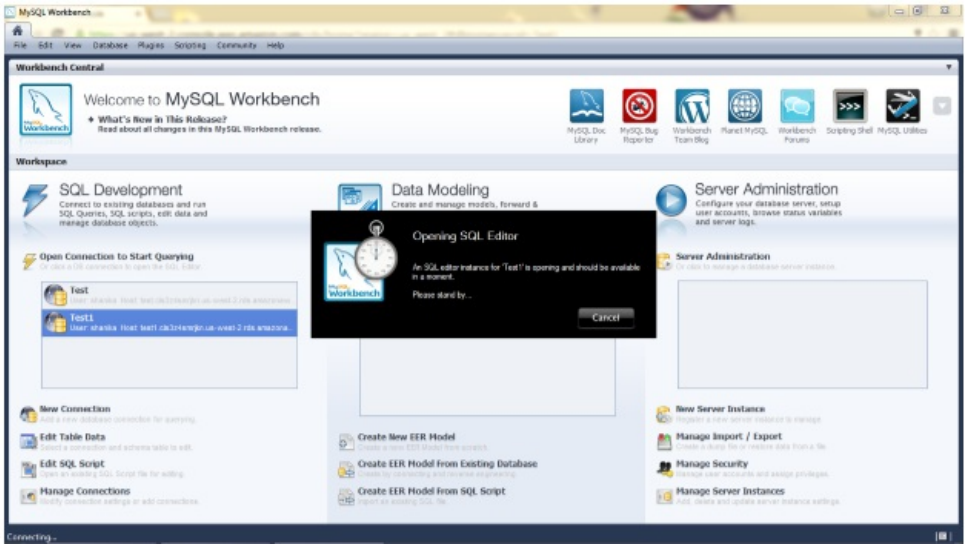


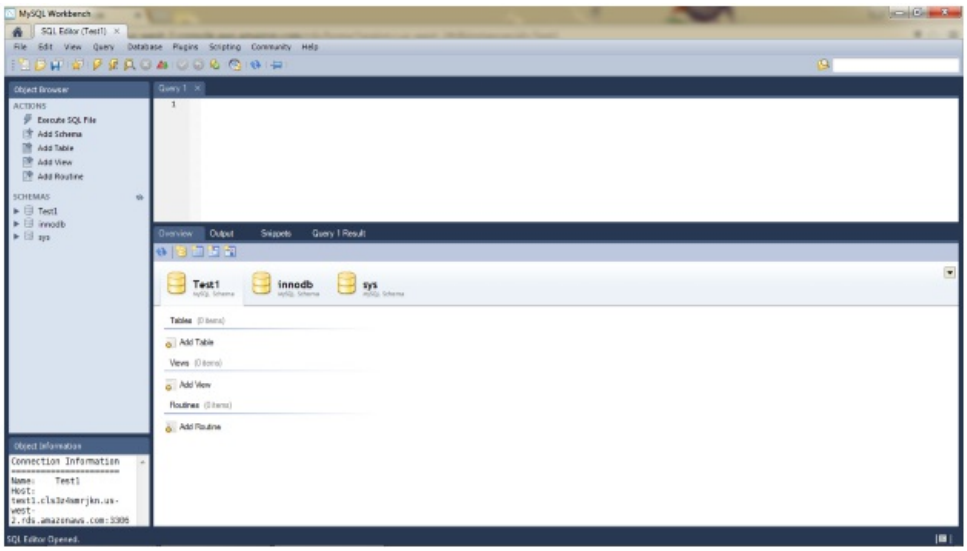
Step 10 Now database Connection will established and we can query it.



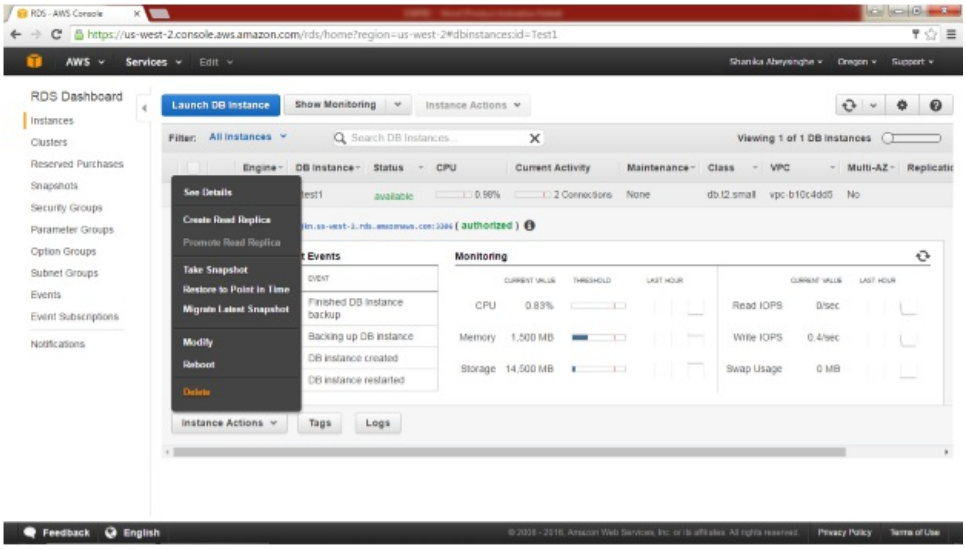
Step 11

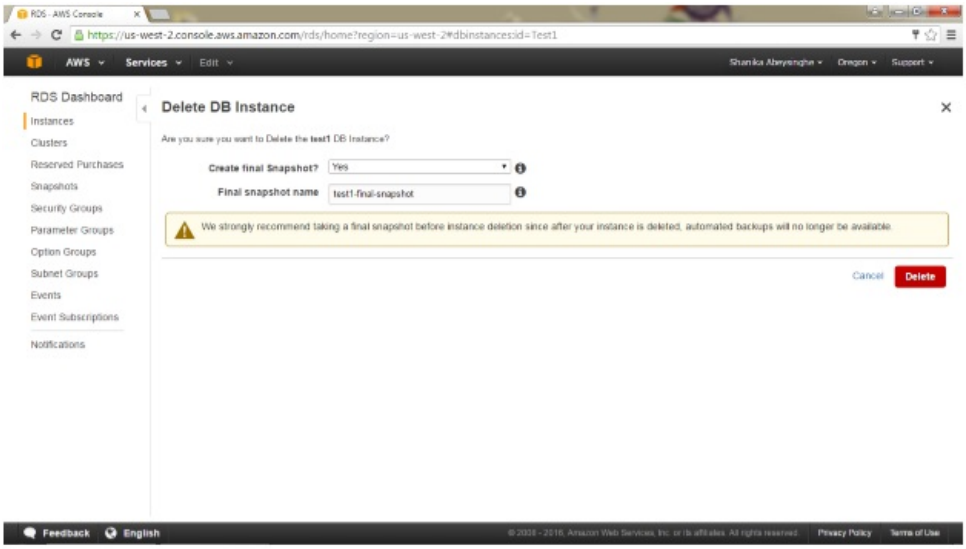
Now it will open SQL editor and we can Query in that





Now created Instance Should be deleted from the Instance


RDS - AWS Console
https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#dbinstances:id=Test1
AWS
Services
Edit
Shanika Abeysinghe
Oregon
Support
RDS Dashboard
Instances
Clusters
Reserved Purchases
Snapshots
Security Groups
Parameter Groups
Option Groups
Subnet Groups
Events
Event Subscriptions
Notifications
Launch DB Instance
Show Monitoring
Instance Actions
Filter: All instances
Search DB Instances...
Viewing 1 of 1 DB Instances
Engine
DB Instance
Status
CPU
Current Activity
Maintenance
Class
VPC
Multi-AZ
Replicati
test1
available
0.96%
2 Connections
None
db.t2.small
vpc-b10c4dd5
No
See Details
Create Read Replica
Promote Read Replica
Take Snapshot
Restore to Point in Time
Migrate Latent Snapshot
Modify
Reboot
Delete
(authorized)
Events
EVENT
Finished DB Instance backup
Backing up DB instance
DB instance created
DB instance restarted
Monitoring
CURRENT VALUE
THRESHOLD
LAST HOUR
CPU 0.83%
Memory 1,500 MB
Storage 14,500 MB
Read IOPS 0/sec
Write IOPS 0.4/sec
Swap Usage 0 MB
Instance Actions
Tags
Logs
Feedback
English
Privacy Policy
Terms of Use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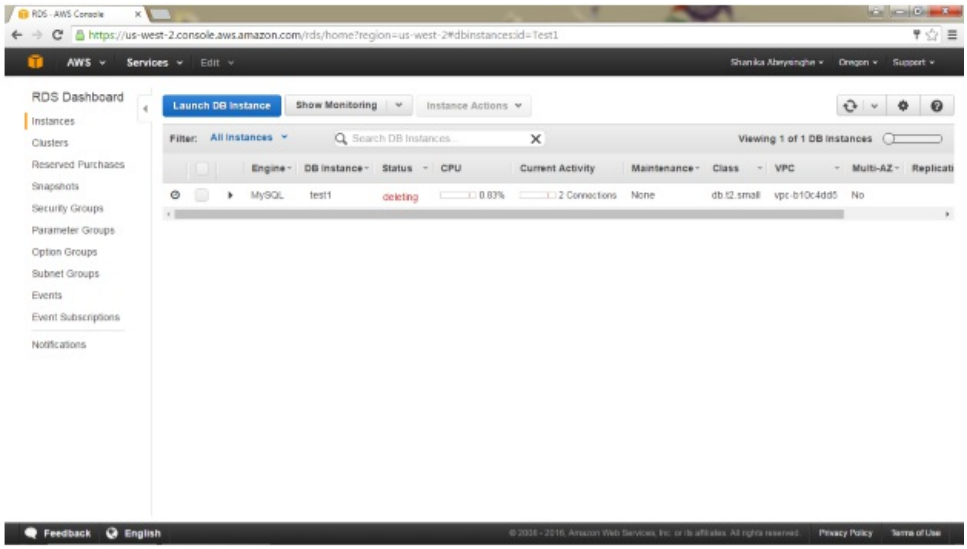
Parameter Groups
Option Groups
Subnet Groups
Events
Event Subscriptions
Notifications
Delete DB Instance
Are you sure you want to Delete the test1 DB Instance?
Create final Snapshot?
Yes
Final snapshot name
test1-final-snapshot
We strongly recommend taking a final snapshot before instance deletion since after your instance is deleted, automated backups will no longer be available.
Cancel
Delete
Feedback
English
Privacy Policy
Terms of Use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Replicati
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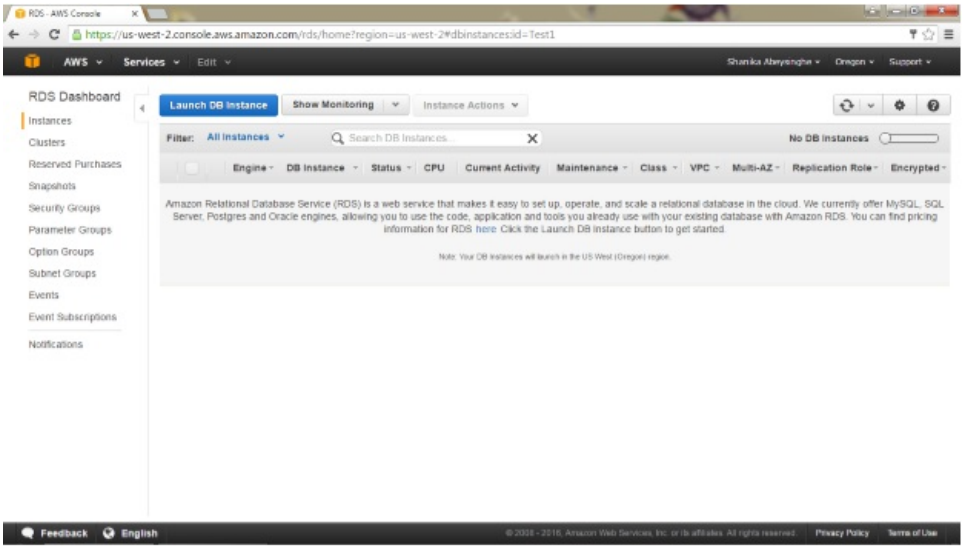
test1
deleting
0.83%
2 Connections
None
db.t2.small
vpc-b10c4dd5
No
Feedback
English
Privacy Policy
Terms of Use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DB Instance
Status
CPU
Current Activity
Maintenance
Class
VPC
Multi-AZ
Replication Role
Encrypted
Amazon Relational Database Service (RDS) is a web service that makes it easy to set up, operate, and scale a relational database in the cloud. We currently offer MySQL, SQL Server, Postgres and Oracle engines, allowing you to use the code, application and tools you already use with your existing database with Amazon RDS. You can find pricing information for RDS here. Click the Launch DB Instance button to get started.
Note: Your DB instances will launch in the US West (Oregon) region.
Feedback
English
Privacy Policy
Terms of Use