



## SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

### Enterprise Standards and Best Practices for IT Infrastructure

4th Year 2nd Semester 2014

Name: Fernando W.W.S.D

SLIIT ID: IT13032616

Practical Session: WD Friday

Practical Number: AWS Lab Assignment(Linux, Windows , RDS)

Date of Submission:30.07.2016

### Title 1 : Getting started with Amazon Linux instance

#### Description:

Amazon Elastic Compute Cloud (EC2) is the Amazon Web Service you use to create and run virtual machines in the cloud (we call these virtual machines 'instances'). This **step-by-step** guide will help you successfully launch a **Linux virtual machine on Amazon EC2**.

1) Click on Launch instance button.

2) Then Select **Amazon Linux AMI** or **Red Hat Enterprise Linux**

**Step 1: Choose an Amazon Machine Image (AMI)**

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

Quick Start		Cancel and Exit	
<input type="checkbox"/> My AMIs	<b>Amazon Linux AMI 2016.03.3 (HVM), SSD Volume Type - ami-7172b611</b>	<input type="button" value="Select"/>	
<input type="checkbox"/> AWS Marketplace	Amazon Linux Free tier eligible	The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.	64-bit
<input type="checkbox"/> Community AMIs		Root device type: ebs Virtualization type: hvm	
<input type="checkbox"/> Free tier only <small>(i)</small>	<input type="checkbox"/> Red Hat Enterprise Linux 7.2 (HVM), SSD Volume Type - ami-775e4f16	<input type="button" value="Select"/>	
	Red Hat Free tier eligible	Red Hat Enterprise Linux version 7.2 (HVM), EBS General Purpose (SSD) Volume Type	64-bit
		Root device type: ebs Virtualization type: hvm	
<input type="checkbox"/> SUSE Linux Free tier eligible	<input type="checkbox"/> SUSE Linux Enterprise Server 12 SP1 (HVM), SSD Volume Type - ami-d2627db3	<input type="button" value="Select"/>	
	SUSE Linux Enterprise Server 12 Service Pack 1 (HVM), EBS General Purpose (SSD) Volume Type. Public Cloud, Advanced Systems Management, Web and Scripting, and Legacy modules enabled.	64-bit	
	Root device type: ebs Virtualization type: hvm		



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

**Step 2: Choose an Instance Type**

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: All instance types <input type="button" value="Current generation"/> Show/Hide Columns							
Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)							
	Family	Type	vCPUs <small>(i)</small>	Memory (GiB)	Instance Storage (GB) <small>(i)</small>	EBS-Optimized Available <small>(i)</small>	Network Performance <small>(i)</small>
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate
<input checked="" type="checkbox"/>	General purpose	<b>t2.micro</b> <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	m4.large	2	8	EBS only	Yes	Moderate

**Cancel** **Previous** **Review and Launch** **Next: Configure Instance Details**



4) Click on Next Add storage button.

EC2 Management Console X + https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#LaunchInstanceWizard: Search Dulanjalee Fernando Oregon Support

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Tag Instance 6. Configure Security Group 7. Review

### Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances: 1 Launch into Auto Scaling Group

Purchasing option: Request Spot instances

Network: vpc-d52d52b1 (172.31.0.0/16) (default) Create new VPC

Subnet: No preference (default subnet in any Availability Zone) Create new subnet

Auto-assign Public IP: Use subnet setting (Enable)

IAM role: None Create new IAM role

Shutdown behavior: Stop

Enable termination protection: Protect against accidental termination

Monitoring: Enable CloudWatch detailed monitoring

Cancel Previous Review and Launch Next: Add Storage

5) And then select next Tag instance button.

EC2 Management Console X + https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#LaunchInstanceWizard: Search Dulanjalee Fernando Oregon Support

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Tag Instance 6. Configure Security Group 7. Review

### Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encrypted
Root	/dev/xvda	snap-d465048a	8	General Purpose SSD (GP2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

Add New Volume

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

Cancel Previous Review and Launch Next: Tag Instance

6) Click on Review and Launch button.

The screenshot shows the EC2 Management Console Step 5: Tag Instance wizard. The top navigation bar includes AWS Services, Edit, and tabs for Step 1 through Step 7. The current step is Step 5: Tag Instance. A sub-header "Step 5: Tag Instance" is displayed, followed by a note: "A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver. [Learn more](#) about tagging your Amazon EC2 resources." Below this, there are two input fields: "Key" (127 characters maximum) and "Value" (255 characters maximum), both currently empty. A "Create Tag" button is visible. At the bottom right are "Cancel", "Previous", "Review and Launch" (which is highlighted in blue), and "Next: Configure Security Group". The status bar at the bottom shows standard Windows icons and the date/time: 2:55 PM 7/7/2016.

7) Then again click on **review and launch** button.

The screenshot shows the EC2 Management Console Step 6: Configure Security Group wizard. The top navigation bar includes AWS Services, Edit, and tabs for Step 1 through Step 7. The current step is Step 6: Configure Security Group. A sub-header "Step 6: Configure Security Group" is displayed, followed by a note: "A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups." Below this, there are two radio buttons: "Create a new security group" (selected) and "Select an existing security group". There are also fields for "Security group name" (set to "launch-wizard-5") and "Description" (set to "launch-wizard-5 created 2016-07-07T14:55:48.899+05:30"). A table for "Add Rule" shows a single row: Type (SSH), Protocol (TCP), Port Range (22), and Source (Anywhere). An "Add Rule" button is present. A warning message in a yellow box states: "Warning: Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only." At the bottom right are "Cancel", "Previous", "Review and Launch" (highlighted in blue), and "Next: Review and Launch". The status bar at the bottom shows standard Windows icons and the date/time: 2:55 PM 7/7/2016.

8) Click on the **Launch** button.

**Step 7: Review Instance Launch**

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

**⚠ Improve your instances' security. Your security group, launch-wizard-5, is open to the world.**  
 Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only.  
 You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

**AMI Details** [Edit AMI](#)

**Amazon Linux AMI 2016.03.3 (HVM), SSD Volume Type - ami-7172b611**  
 Free tier eligible  
 The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.  
 Root Device Type: ebs Virtualization type: hvm

**Instance Type** [Edit instance type](#)

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

**Cancel** **Previous** **Launch**

9) Then create a **new key pair**.

**Step 7: Review Instance Launch**

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

**⚠ Improve your instances' security**  
 Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only.  
 You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

**AMI Details** [Edit AMI](#)

**Amazon Linux AMI 2016.03.3 (HVM), SSD Volume Type - ami-7172b611**  
 Free tier eligible  
 The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.  
 Root Device Type: ebs Virtualization type: hvm

**Instance Type** [Edit instance type](#)

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

**Select an existing key pair or create a new key pair**

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

Create a new key pair  
 Key pair name   
 Download Key Pair

You have to download the **private key file (\*.pem file)** before you can continue. **Store it in a secure and accessible location.** You will not be able to download the file again after it's created.

**Cancel** **Launch Instances**

10) Create a new key pair and **download** the key pair. Then launch the instance

**Step 7: Review Instance Launch**

Please review your instance launch details. You can always change them later.

**AMI Details**

**Amazon Linux AMI 2016.03.3 (HVM, SSD Volume Type)**  
The Amazon Linux AMI is an EBS-based AMI. It includes the latest version of the Amazon Linux distribution, which is based on Red Hat Enterprise Linux. It supports the latest versions of PHP, MySQL, PostgreSQL, and other popular open-source software packages.

**Instance Type**

Instance Type	ECUs	VCPUs	Memory (GiB)	Storage (GiB)	Network Interface
t2.micro	Variable	1	1.7	8	1 Gbps

**Select an existing key pair or create a new key pair**

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

Create a new key pair  
Key pair name  
Key123

Download Key Pair

You have to download the **private key file** (\*.pem file) before you can continue. **Store it in a secure and accessible location.** You will not be able to download the file again after it's created.

Cancel Launch Instances

11) Then the **launch status** will appear and instance is running

**Launch Status**

Your instances are now launching

The following instance launches have been initiated: [i-033abbee649889951](#) [View launch log](#)

Get notified of estimated charges

Create billing alerts to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).

**How to connect to your instances**

Your instances are launching, and it may take a few minutes until they are in the **running** state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances.

Click [View Instances](#) to monitor your instances' status. Once your instances are in the **running** state, you can **connect** to them from the Instances screen. [Find out](#) how to connect to your instances.

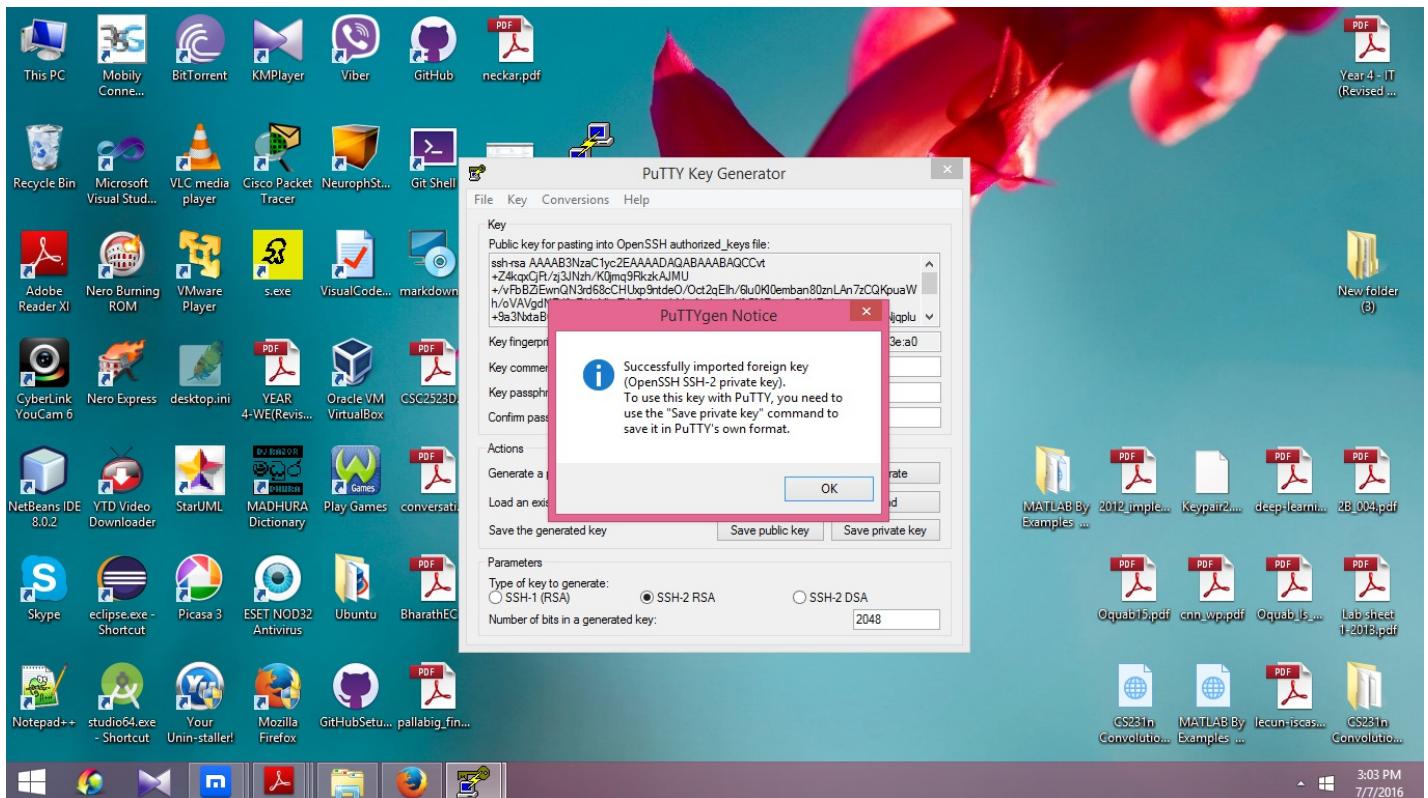
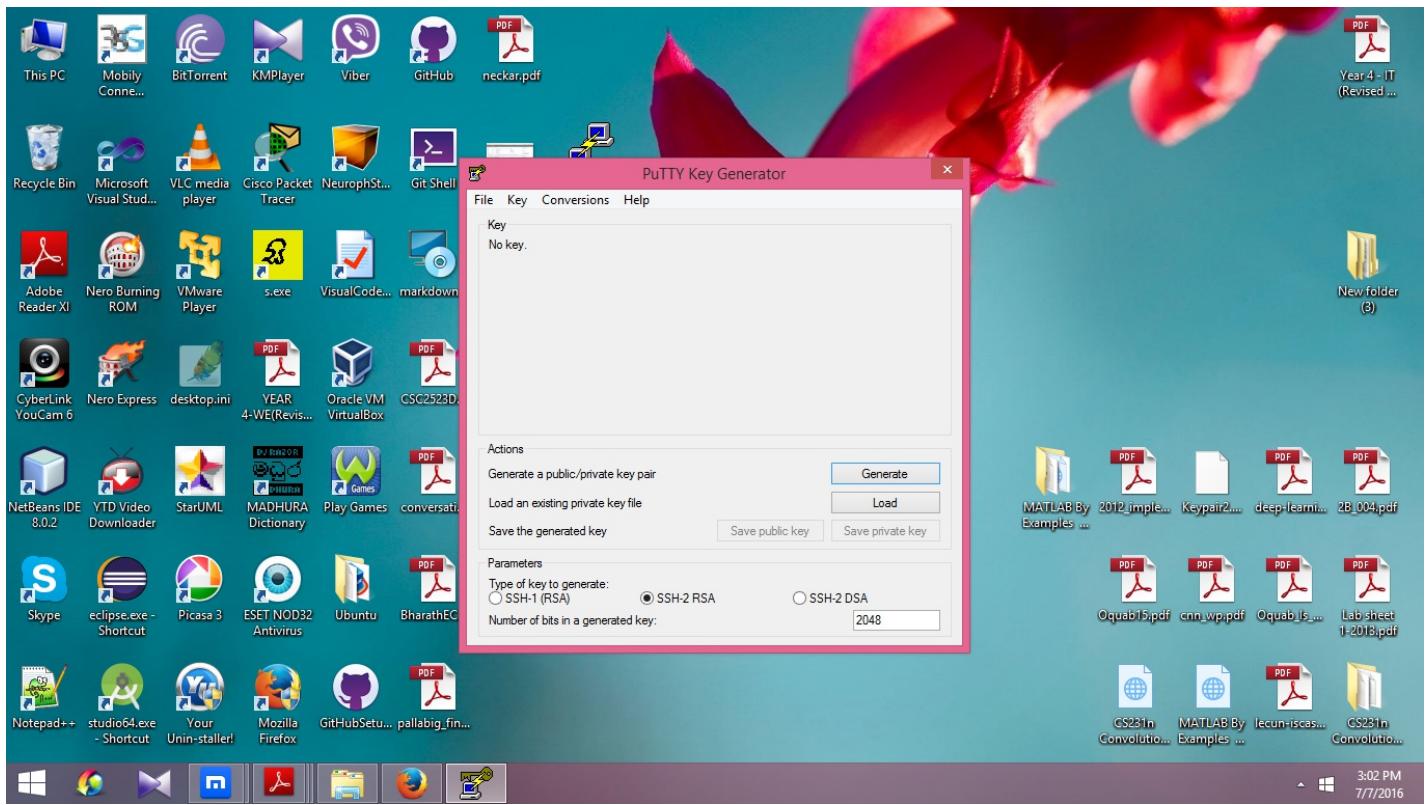
Here are some helpful resources to get you started

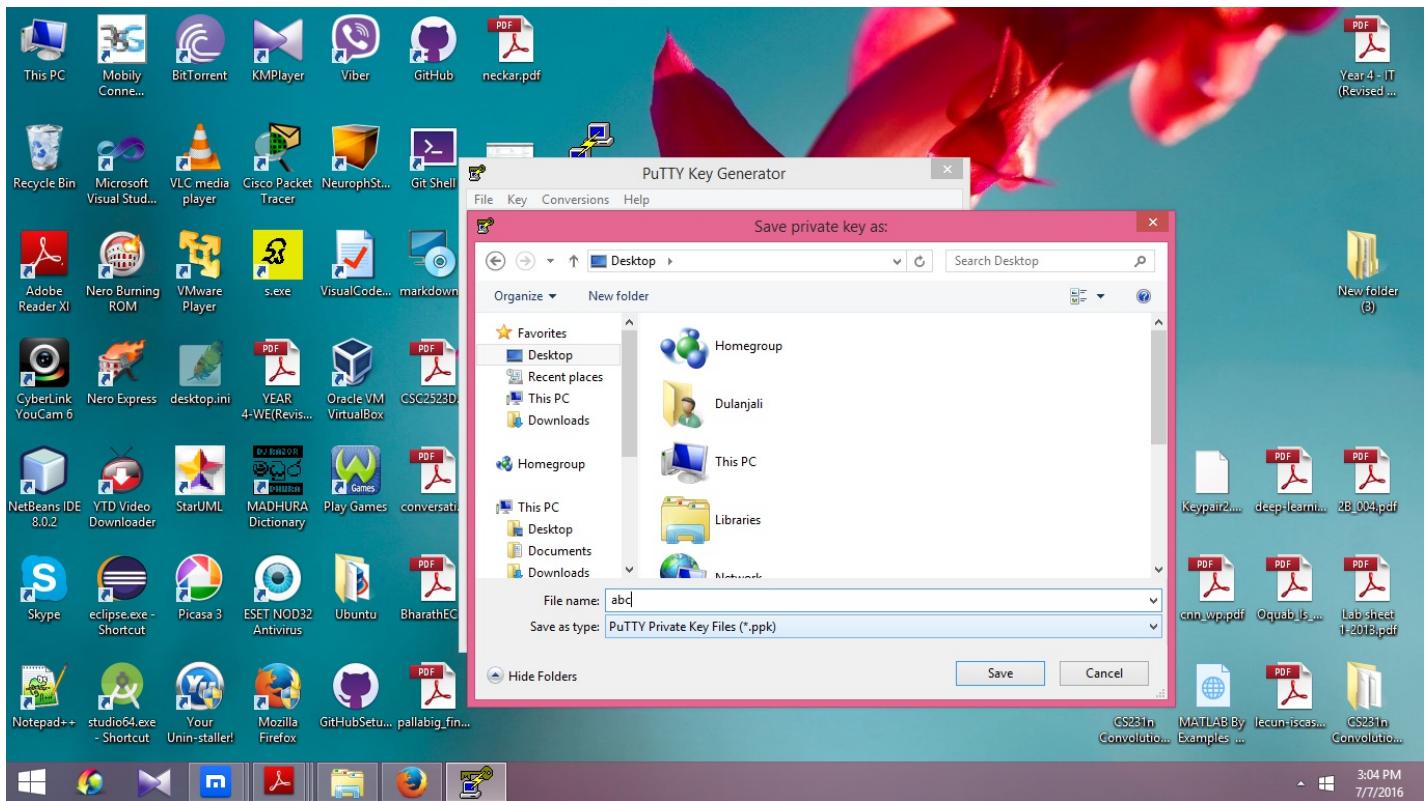
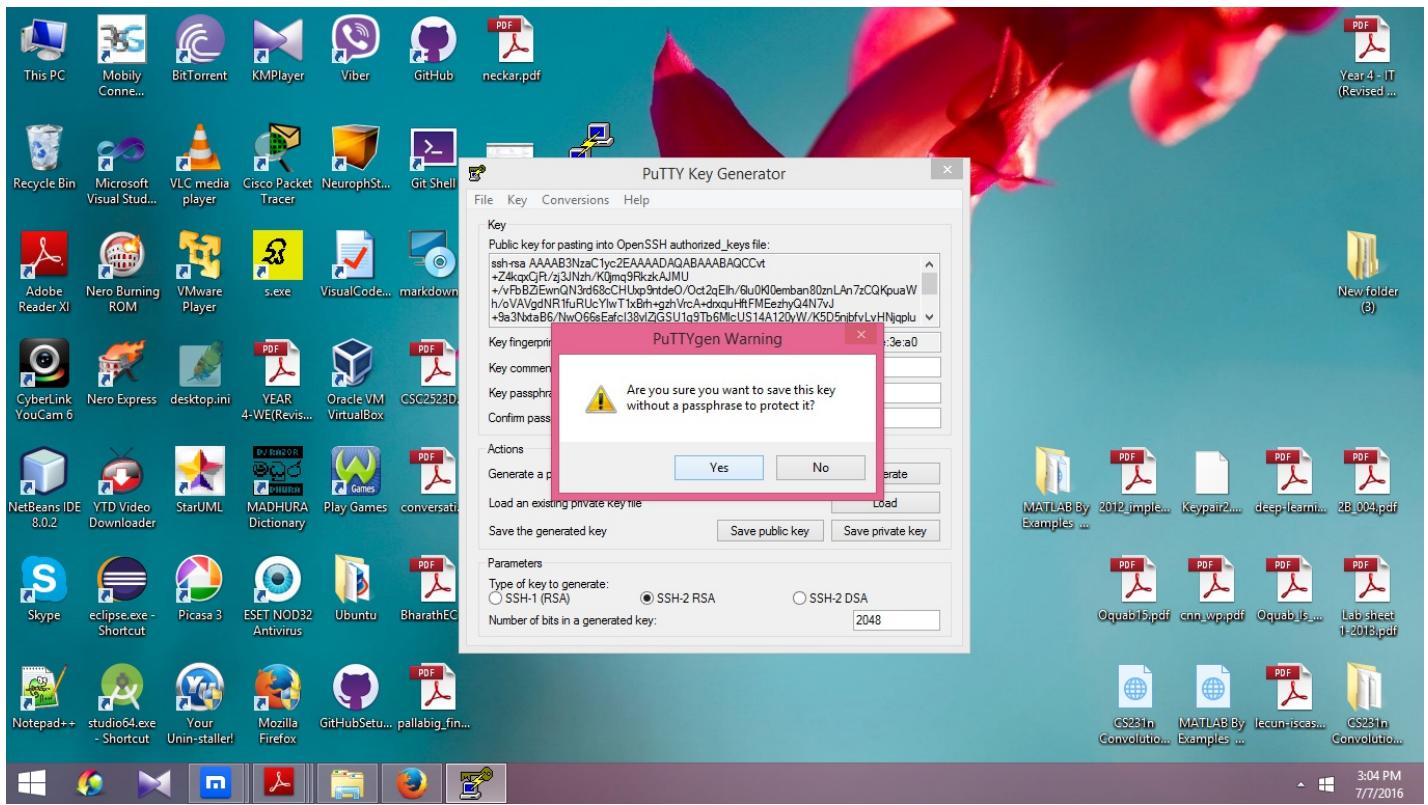
- [How to connect to your Linux instance](#)
- [Learn about AWS Free Usage Tier](#)
- [Amazon EC2: User Guide](#)
- [Amazon EC2: Discussion Forum](#)

While your instances are launching you can also

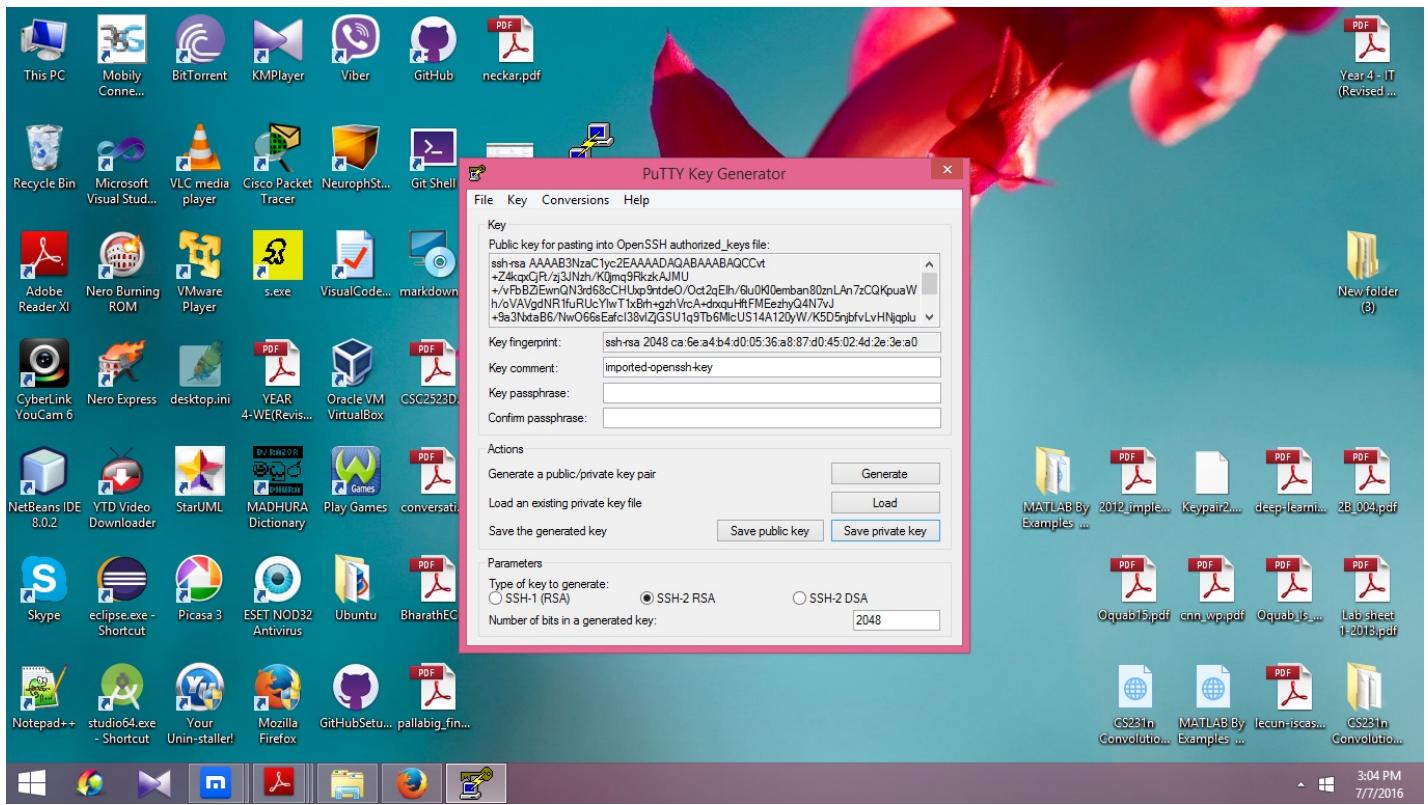
12) Download the **PuTTY** and **PuTTY GEN**.

13) Double click on the **PuTTY GEN**. this dialog will appear. *Generate the private key*



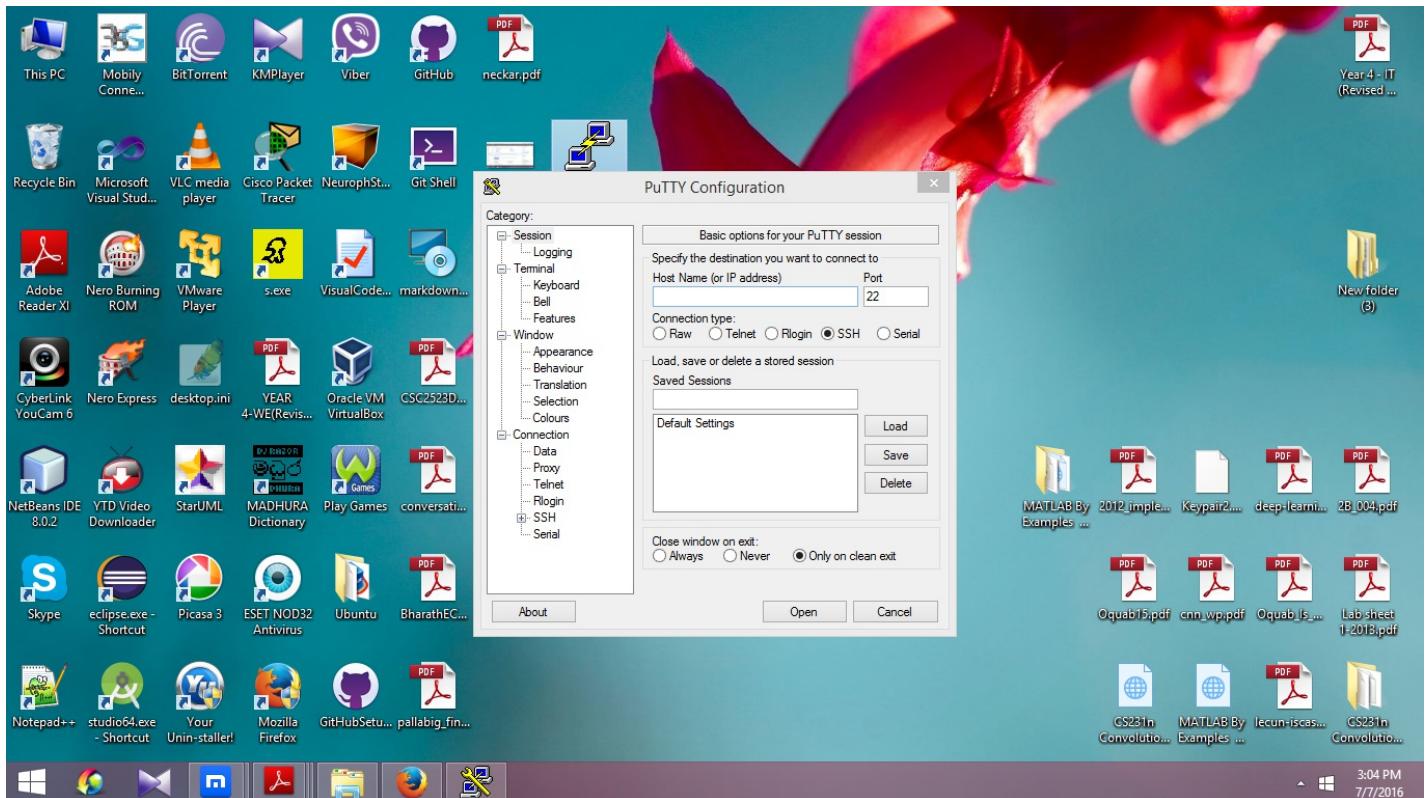


14) Load the **private key**. (.ppk)

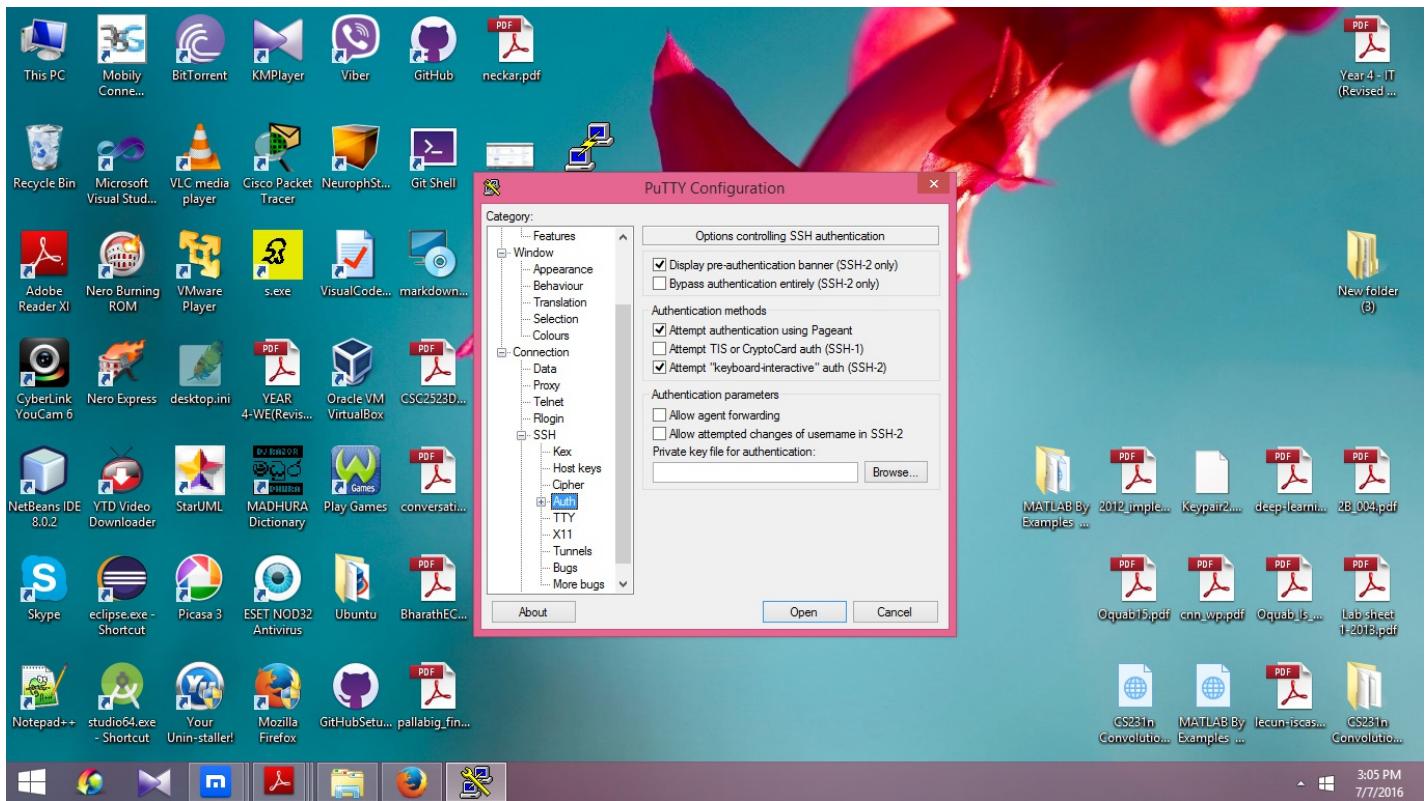
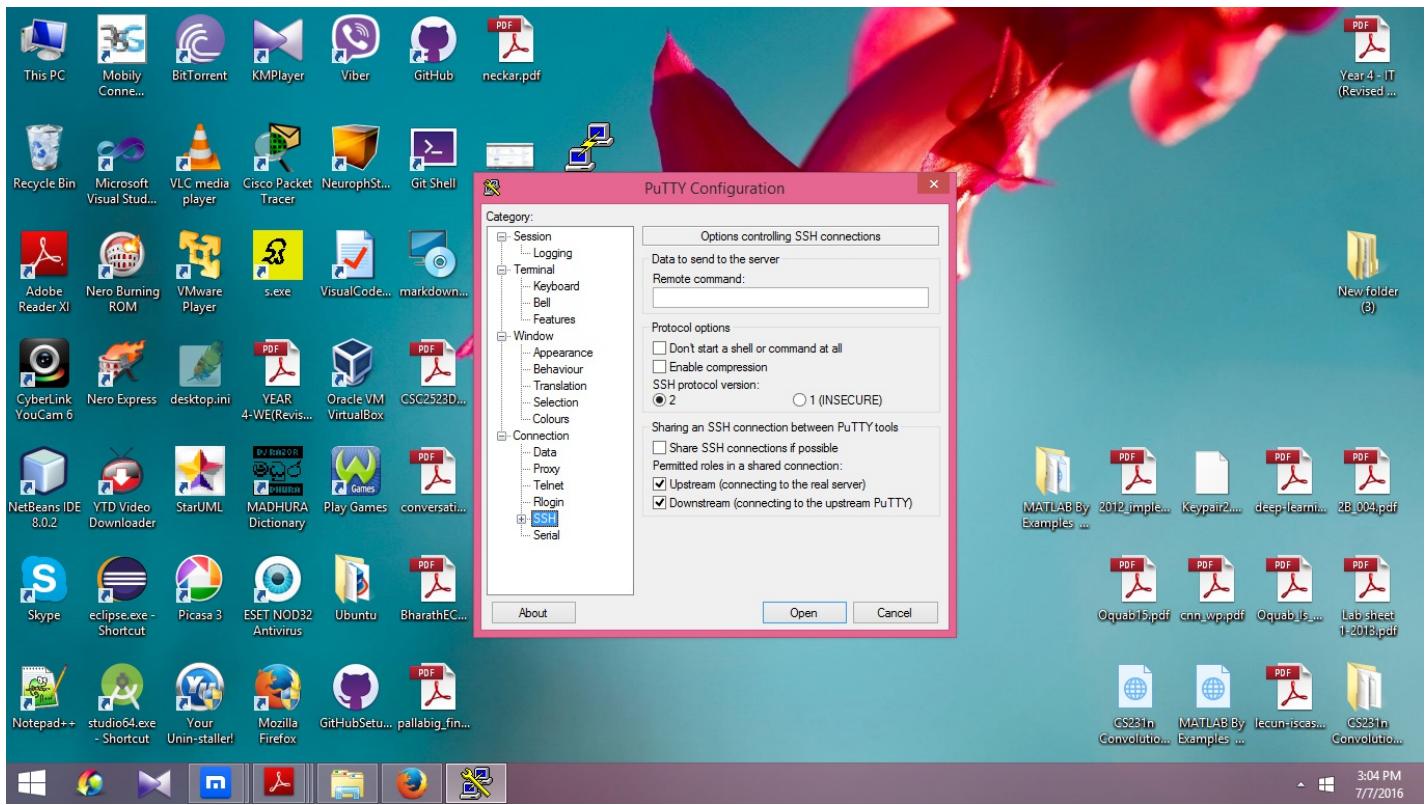


15) Then double click on the **PuTTY configuration**.

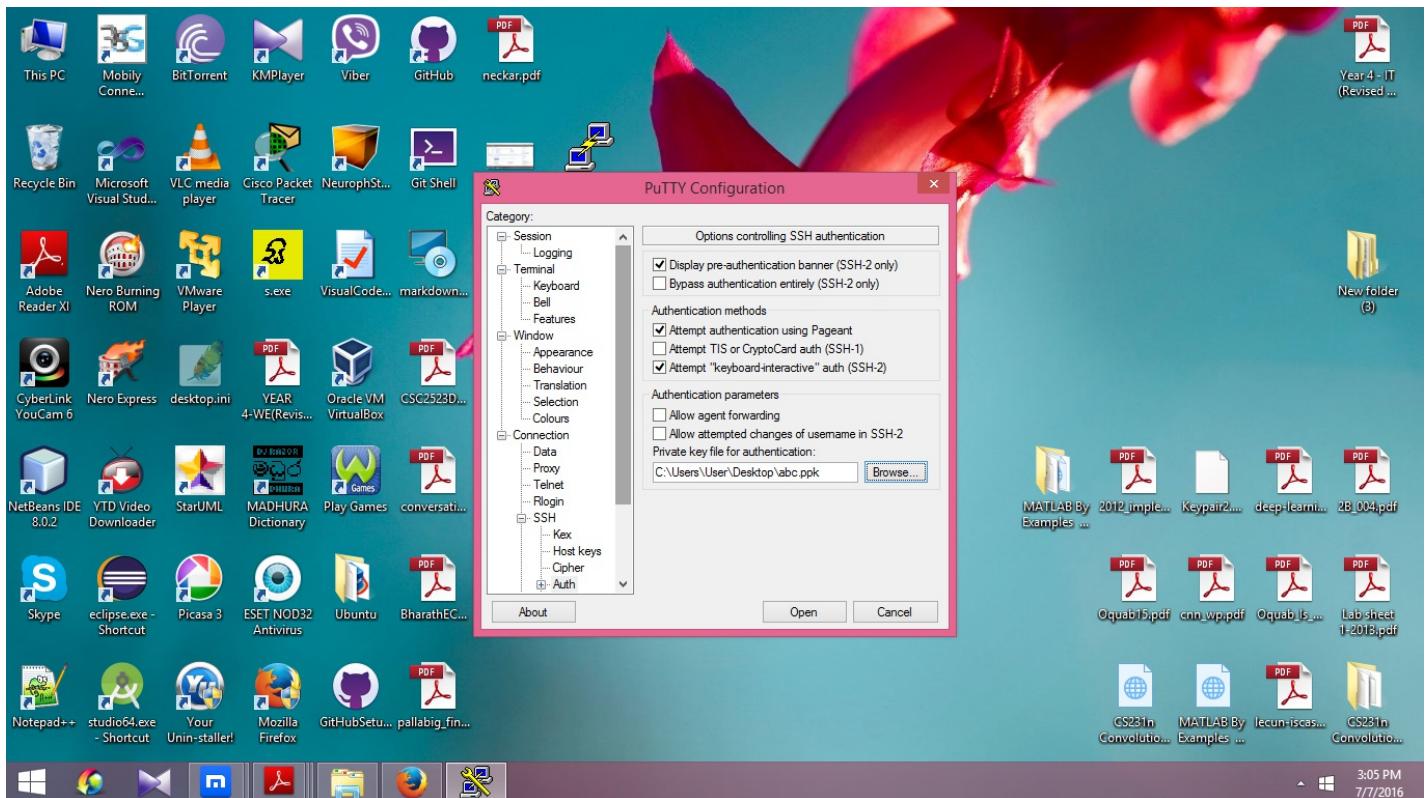
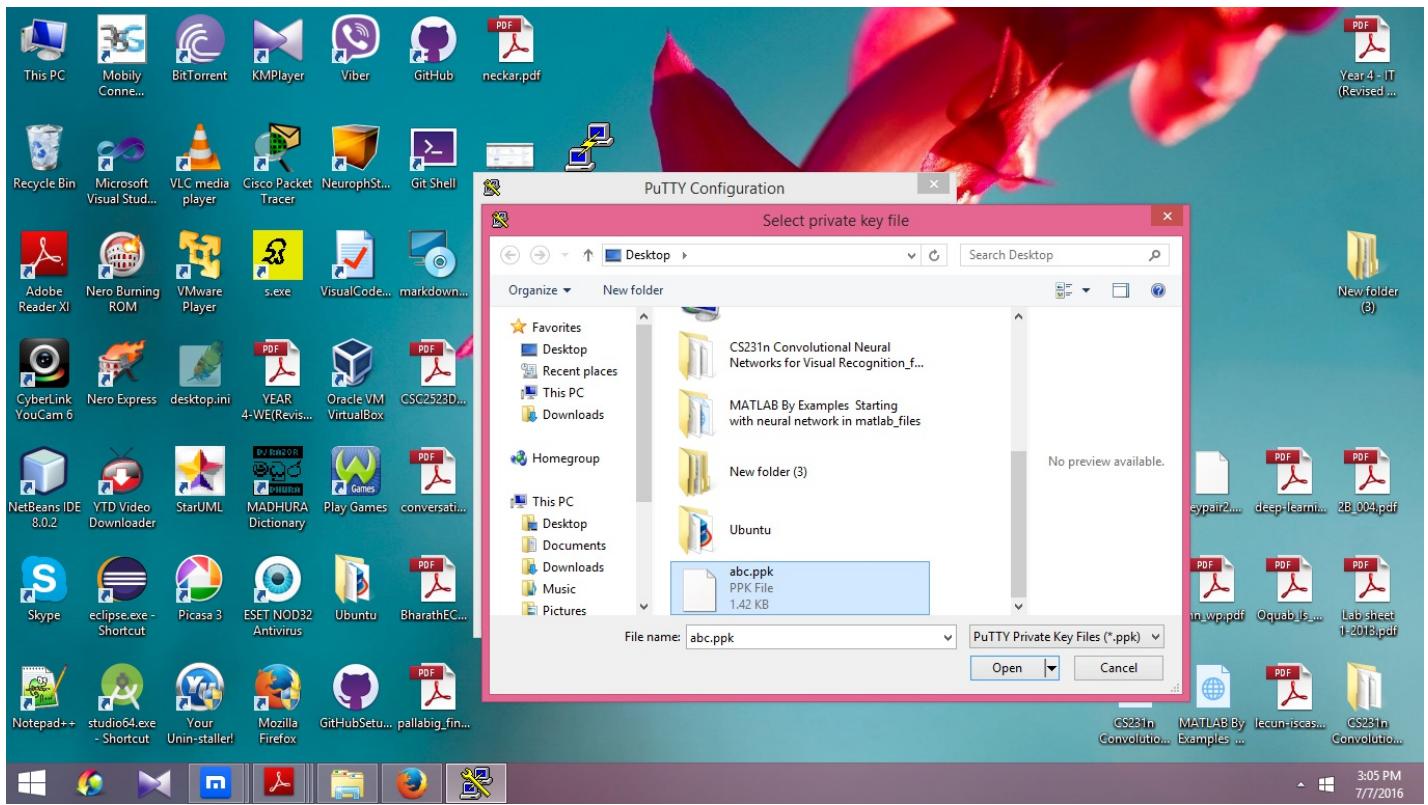
16) Give the **public DNS** as the **host name**. And create a session and save it. (Category -> session)

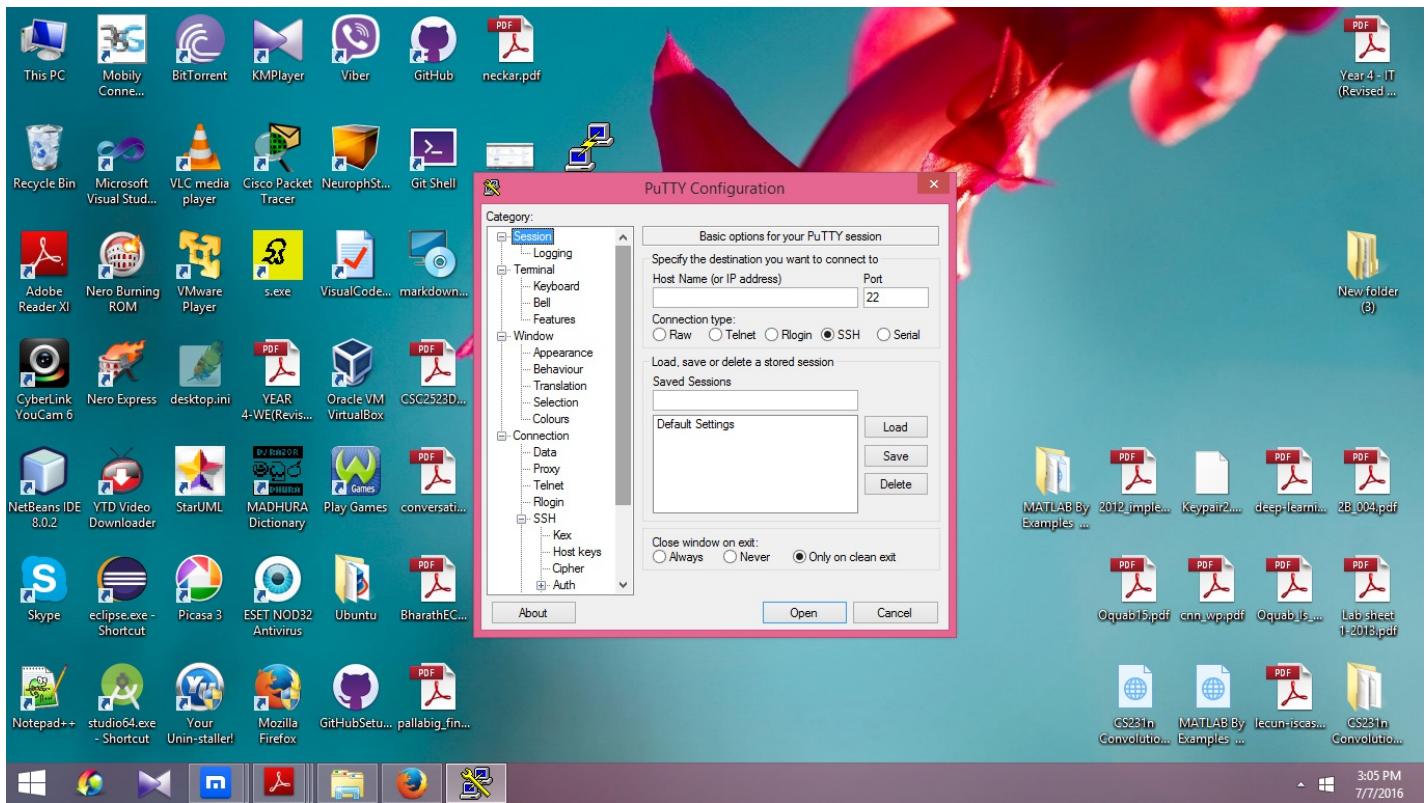


17) (category -> connection -> SSH -> Auth) then open

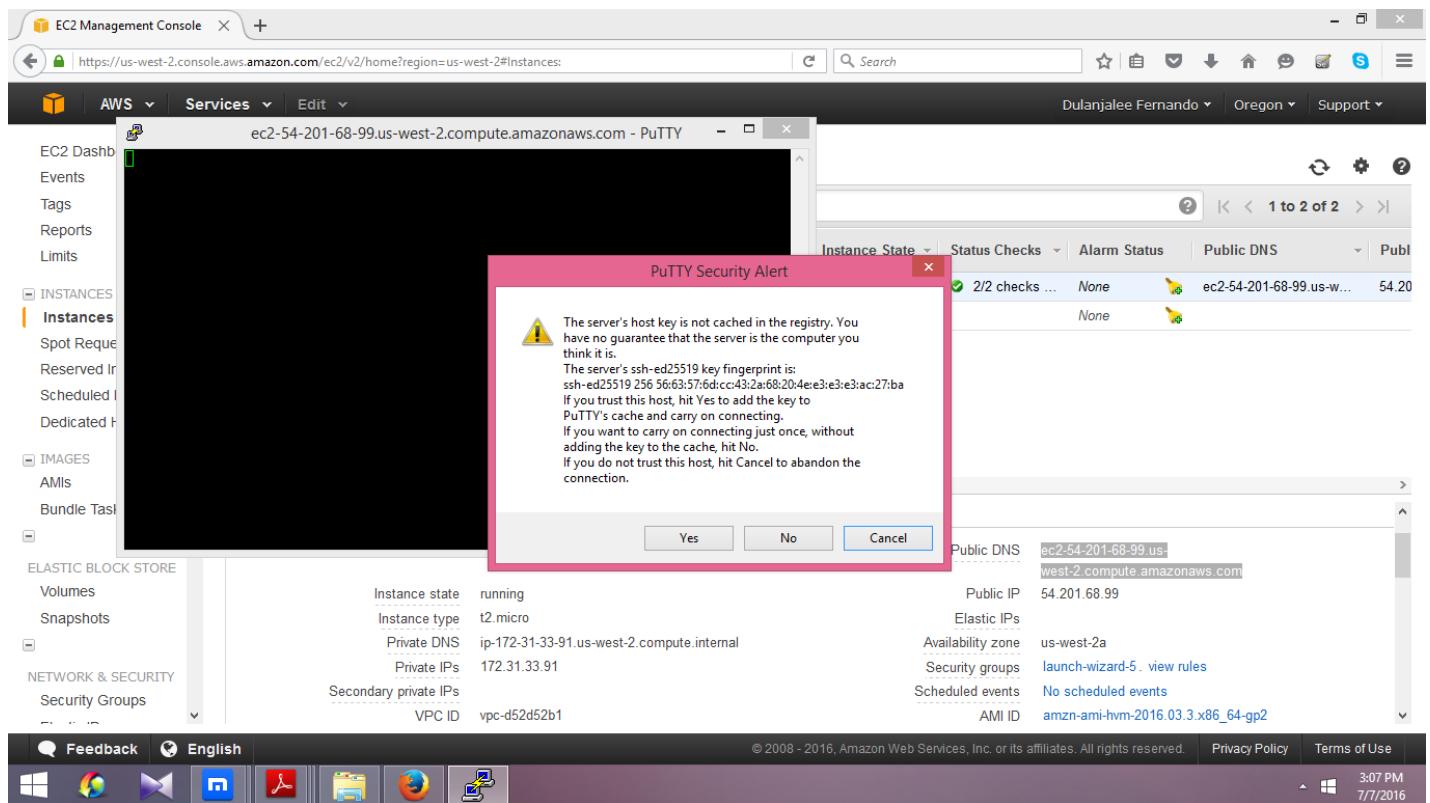


18) Load the **private key**.

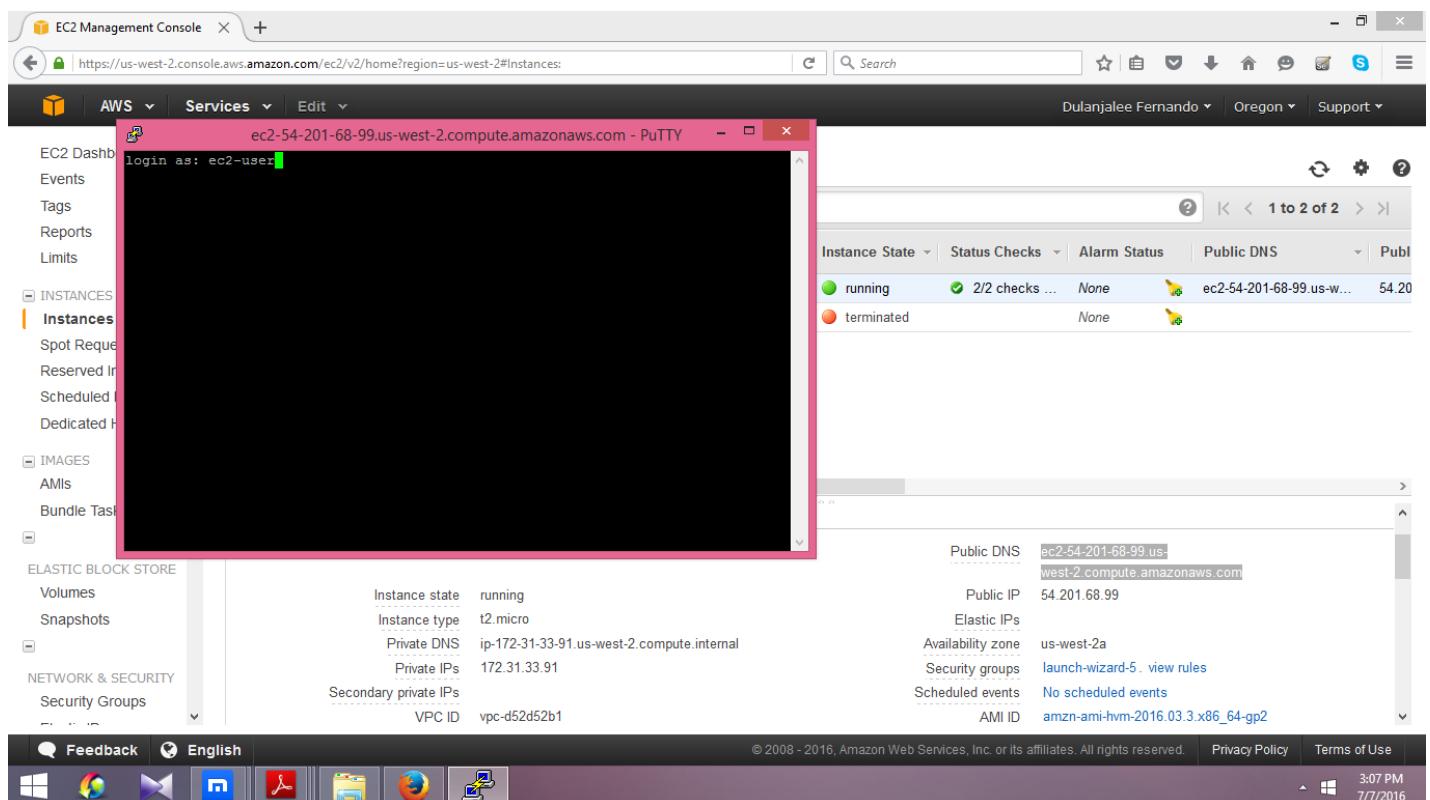




A screenshot of the Amazon EC2 Management Console. On the left, the navigation pane shows 'Instances' selected under 'EC2 Dashboard'. In the main area, an instance named 'i-033abbee64...' is selected, showing its details: Instance ID, Name, Description, Status Checks, Instance state, Instance type, Private DNS, Private IPs, Secondary private IPs, VPC ID, and Elastic IP. An 'Actions' dropdown menu is open, and a 'PuTTY Configuration' window is overlaid on it, mirroring the one from the desktop. The EC2 instance details page also includes sections for Public DNS, Public IP, Elastic IPs, Availability zone, Security groups, Scheduled events, and AMI ID.



19) Give **ec2-user** to logging.



20) Then the **Amazon Linux instance** will appear.

The screenshot shows a Windows desktop environment. In the center is a terminal window titled "ec2-user@ip-172-31-33-91:~". The terminal displays the following text:

```
login as: ec2-user
Authenticating with public key "imported-openssh-key"
              _\   _/ )
      _\ \_ /_ ) Amazon Linux AMI
https://aws.amazon.com/amazon-linux-ami/2016.03-release-notes/
1 package(s) needed for security, out of 1 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-33-91 ~]$ ls
[ec2-user@ip-172-31-33-91 ~]$
```

Below the terminal window is a taskbar with several icons: File Explorer, Task View, Start button, Task Scheduler, Task Manager, File History, and a search icon. The system tray shows the date and time as "3:11 PM 7/7/2016".

## Title 2 : Getting started with Amazon Windows instance

### Description :

started with Amazon Elastic Compute Cloud (Amazon EC2) by launching, connecting to, and using a Windows instance. An *instance* is a virtual server in the *AWS cloud*. With *Amazon EC2*, you can set up and configure the operating system and applications that run on your instance.

You can launch a Windows instance using the **AWS Management Console** as described in the following procedure.

- 1) Create an **EC2 windows instance** in Amazon Web Services and Click on **Launch instance**.

Screenshot of the AWS EC2 Management Console showing the main dashboard. The left sidebar includes links for EC2 Dashboard, Instances, Images, and Network & Security. The main content area displays EC2 resources: 0 Running Instances, 0 Dedicated Hosts, 0 Volumes, 9 Key Pairs, 0 Placement Groups, 0 Elastic IPs, 0 Snapshots, 0 Load Balancers, and 6 Security Groups. A callout box for Amazon Simple Workflow Service is present. The right sidebar shows account attributes like Default VPC (vpc-d52d52b1) and Resource ID length management, along with links for Getting Started Guide, Documentation, All EC2 Resources, Forums, Pricing, and Contact Us. The bottom navigation bar includes Feedback, English, and various system icons.

2) Select Microsoft Windows Server 2012 R2 Base (free tier eligible one) as the AMI.

Screenshot of the AWS EC2 Management Console showing the Launch Instance Wizard. Step 1: Choose an Amazon Machine Image (AMI). The list includes:

- SUSE Linux Enterprise Server 12 SP1 (HVM), SSD Volume Type - ami-d2627db3** (Free tier eligible, 64-bit)
- Ubuntu Server 14.04 LTS (HVM), SSD Volume Type - ami-9abea4fb** (Free tier eligible, 64-bit)
- Microsoft Windows Server 2012 R2 Base - ami-8d0acfed** (Free tier eligible, 64-bit)

A note at the bottom suggests trying Amazon RDS for database instances.

Screenshot of the AWS EC2 Management Console showing the Launch Instance Wizard. The bottom navigation bar includes Feedback, English, and various system icons.

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

**Step 2: Choose an Instance Type**

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)							
	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate
<input checked="" type="checkbox"/>	General purpose	t2.micro <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	m4.large	2	8	EBS only	Yes	Moderate

**Next Step:** [Review and Launch](#) | [Next: Configure Instance Details](#)

4) Click on Next-> Add storage.

**Step 3: Configure Instance Details**

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances	<input type="text" value="1"/>	Launch into Auto Scaling Group
Purchasing option	<input type="checkbox"/> Request Spot instances	
Network	vpc-d52d52b1 (172.31.0.0/16) (default) <a href="#">Create new VPC</a>	
Subnet	No preference (default subnet in any Availability Zone) <a href="#">Create new subnet</a>	
Auto-assign Public IP	Use subnet setting (Enable)	
Domain join directory	None <a href="#">Create new directory</a>	
IAM role	None <a href="#">Create new IAM role</a>	
Shutdown behavior	Stop	
Enable termination protection	<input type="checkbox"/> Protect against accidental termination	

**Next Step:** [Review and Launch](#) | [Next: Add Storage](#)

5) Keep the storage size as it is. (30 GiB). And then select next-> Tag instance button.

**Step 4: Add Storage**

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encrypted
Root	/dev/sda1	snap-1baab85d	30	General Purpose SSD (GP2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

Add New Volume

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

Cancel Previous Review and Launch Next: Tag Instance

6) Click on **Review and Launch** button.

**Step 5: Tag Instance**

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver. [Learn more](#) about tagging your Amazon EC2 resources.

Key (127 characters maximum)	Value (255 characters maximum)
Name	

Create Tag (Up to 10 tags maximum)

Cancel Previous Review and Launch Next: Configure Security Group

7) Then again click on **Review and Launch** button.

**Step 6: Configure Security Group**

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group:  Create a new security group  
 Select an existing security group

Security group name: launch-wizard-6  
Description: launch-wizard-6 created 2016-07-11T12:10:34.234+05:30

Type	Protocol	Port Range	Source
RDP	TCP	3389	Anywhere 0.0.0.0/0

**Add Rule**

**Warning**  
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

**Cancel Previous Review and Launch**

8) Click on the **Launch** button.

**Step 7: Review Instance Launch**

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

**AMIs**

**Microsoft Windows Server 2012 R2 Base - ami-8d0acfed**  
Free tier eligible Microsoft Windows 2012 R2 Standard edition with 64-bit architecture. [English]  
Root Device Type: ebs Virtualization type: hvm

If you plan to use this AMI for an application that benefits from Microsoft License Mobility, fill out the [License Mobility Form](#). Don't show me this again

**Instance Type**

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

**Launch**

9) Create a new key pair and download the key pair. Then **launch the instance**

**Step 7: Review Instance Launch**

Please review your instance launch details. You can always change them later.

**AMI Details**

**Microsoft Windows Server 2012 R2 Standard**  
Free tier eligible  
Root Device Type: ebs Virtualization type: Microsoft Hyper-V

If you plan to use this AMI for an application that requires secure access, consider using a security group.

**Instance Type**

Instance Type	ECUs	VCPUs	Memory (GiB)	Disk (GiB)	Network Interface
t2.micro	Variable	1	1.0	8	1 Gbps

**Select an existing key pair or create a new key pair**

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

Create a new key pair  
Key pair name: 123new  
[Download Key Pair](#)

You have to download the **private key file** (\*.pem file) before you can continue. **Store it in a secure and accessible location.** You will not be able to download the file again after it's created.

[Cancel](#) [Launch Instances](#)

10) Then the *launch status* will appear.

**Launch Status**

Your instances are now launching

The following instance launches have been initiated: [i-06500b15e36eeb170](#) [View launch log](#)

Get notified of estimated charges

Create billing alerts to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).

**How to connect to your instances**

Your instances are launching, and it may take a few minutes until they are in the **running** state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances.

Click [View Instances](#) to monitor your instances' status. Once your instances are in the **running** state, you can **connect** to them from the Instances screen. [Find out](#) how to connect to your instances.

Here are some helpful resources to get you started

- [Amazon EC2: User Guide](#)
- [Amazon EC2: Microsoft Windows Guide](#)
- [Amazon EC2: Discussion Forum](#)

While your instances are launching, you can also:

[Feedback](#) [English](#)

11) Click on the **View Instances** button.

The screenshot shows the EC2 Management Console with the URL <https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#LaunchInstanceWizard>. The page title is "Launch Status". A banner at the top says "Create billing alerts to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier)". Below it, a section titled "How to connect to your instances" explains that instances are launching and provides a link to "View Instances" to monitor status. A list of helpful resources includes links to the User Guide, Windows instance connection, Microsoft Windows Guide, and AWS Free Usage Tier. A note says "While your instances are launching you can also" followed by links to "Create status check alarms", "Create and attach additional EBS volumes", and "Manage security groups". A large blue "View Instances" button is at the bottom right.

12) Then the *instance details appear*. Now the **instance is running**.

The screenshot shows the EC2 Management Console with the URL <https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#Instances:sort=instanceid>. The left sidebar shows navigation options like EC2 Dashboard, Events, Tags, Reports, Limits, INSTANCES (selected), Instances, Spot Requests, Reserved Instances, Scheduled Instances, Dedicated Hosts, IMAGES (AMIs, Bundle Tasks), and ELASTIC BLOCK STORE (Volumes, Snapshots). The main content area shows a table of instances. One instance is highlighted: "i-033abbee649889951" (t2.micro, us-west-2a, terminated). Another instance is listed below it: "i-06500b15e36eeb170" (t2.micro, us-west-2b, running). A detailed view for the terminated instance is shown in a modal window. The modal has tabs for Description, Status Checks, Monitoring, and Tags. The Description tab shows details: Instance ID i-033abbee649889951, Instance state terminated, Instance type t2.micro, Private DNS -, Private IPs -, Public DNS -, Public IP -, Elastic IPs -, Availability zone us-west-2a, Security groups -, and Scheduled events. The bottom of the screen shows the standard AWS navigation bar with Feedback, English, and various icons.

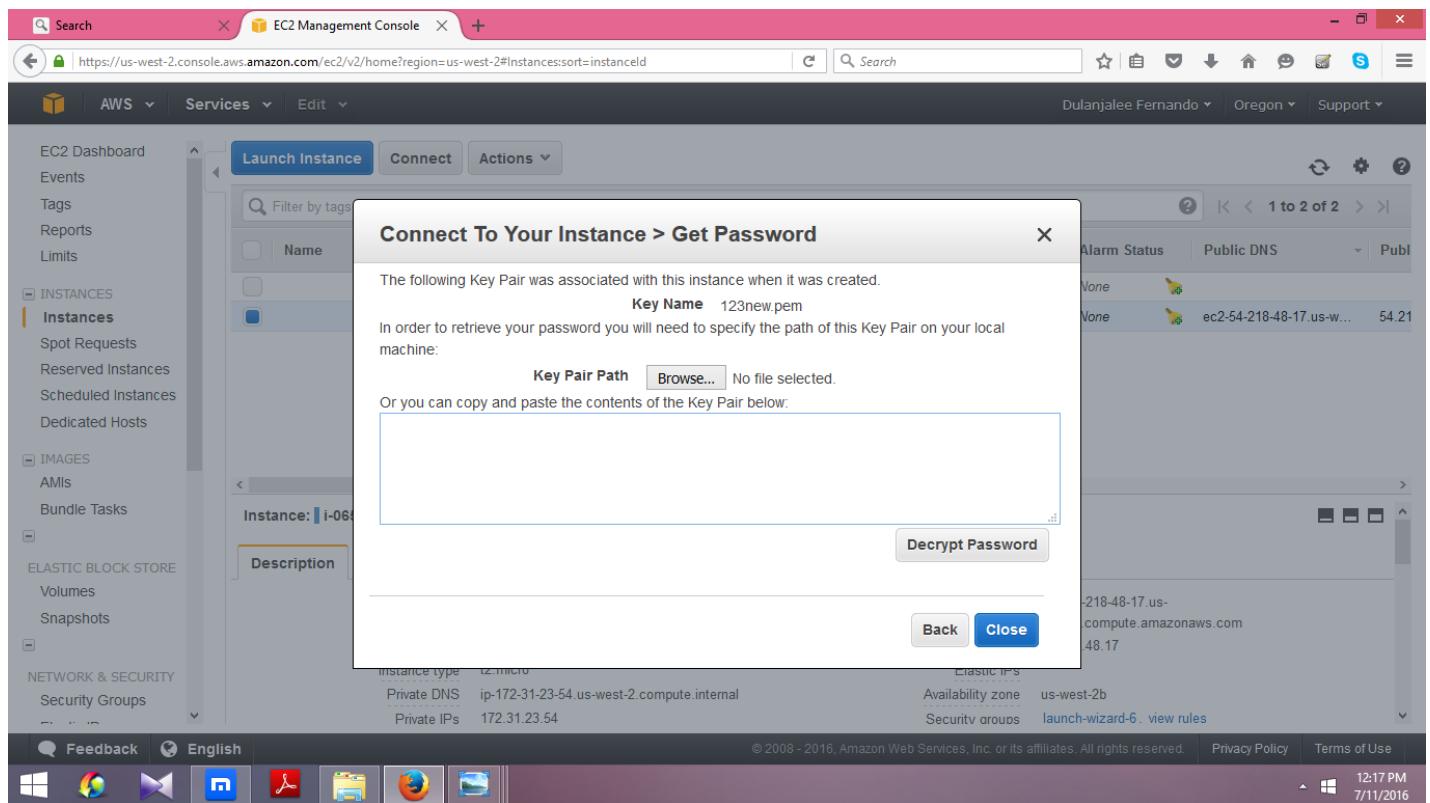
13) Then select the **running state**

The screenshot shows the AWS EC2 Management Console. The left sidebar has 'Instances' selected. The main area displays a table of instances. One instance, 'i-06500b15e36eeb170', is highlighted and shown in more detail below. The 'Connect' button is located in the Actions dropdown menu for this instance.

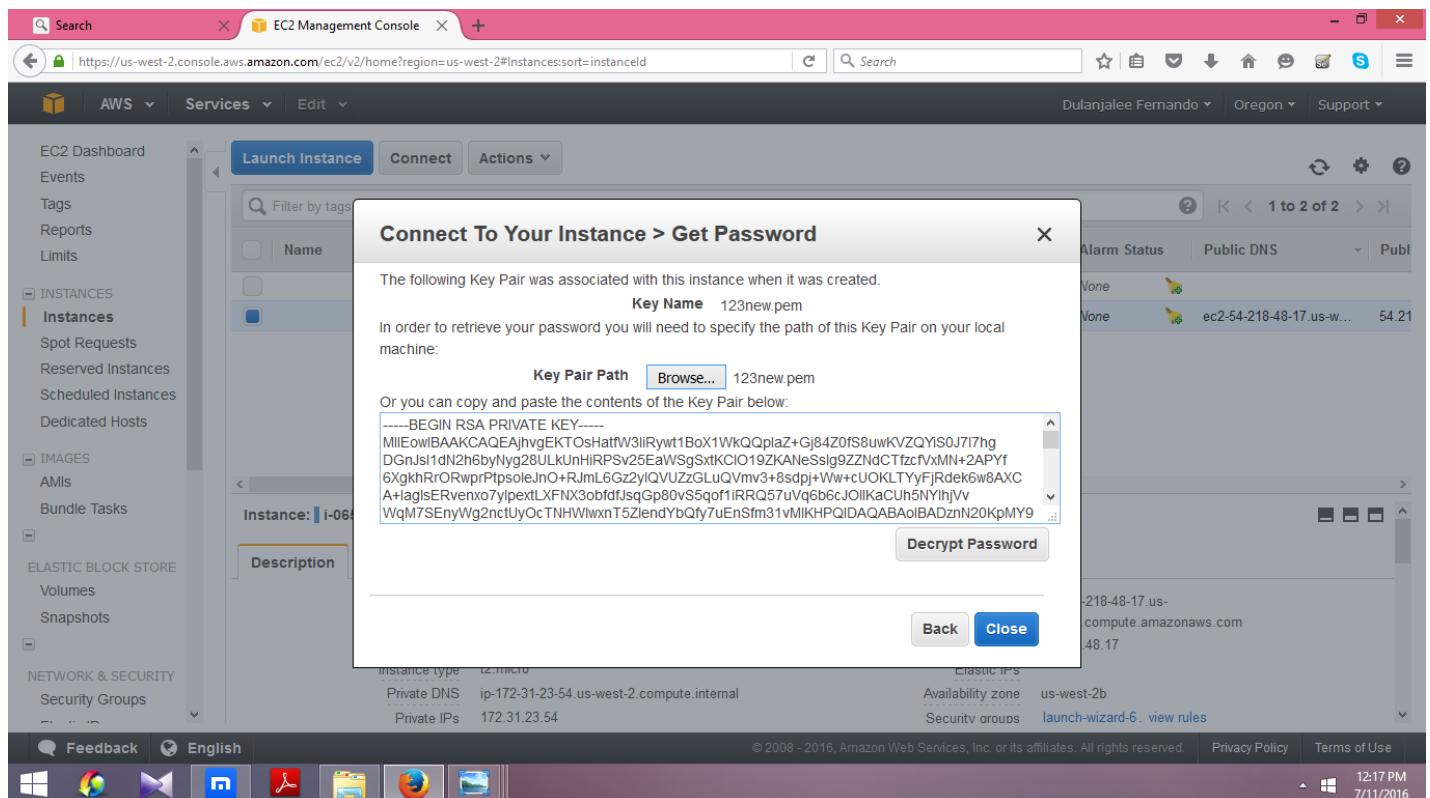
14) Click on the **Connect** button to connect to the instance.

The screenshot shows the 'Connect To Your Instance' dialog box overlaid on the EC2 Management Console. The dialog contains instructions for connecting via Remote Desktop, a 'Download Remote Desktop File' button, and fields for Public DNS (ec2-54-218-48-17.us-west-2.compute.amazonaws.com), User name (Administrator), and Password (with a 'Get Password' button). The background shows the same instance details as the previous screenshot.

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



16) Choose the downloaded .pem file.



17) Then **decrypt** the password. Decrypted password will appear.

**Connect To Your Instance**

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below.

**Download Remote Desktop File**

When prompted, connect to your instance using the following details:

**Public DNS** ec2-54-218-48-17.us-west-2.compute.amazonaws.com  
**User name** Administrator  
**Password** fu=ZbhGj6Z

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

If you need any assistance connecting to your instance, please see our [connection documentation](#).

**Instance:** i-06500b15e36eeb170

Instance state	running	Public IP	54.218.48.17
Instance type	t2.micro	Elastic IPs	
Private DNS	ip-172-31-23-54.us-west-2.compute.internal	Availability zone	us-west-2b
Private IP's	172.31.23.54	Security groups	launch-wizard-6, view rules

**Close**

**Instances**

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS	Publ
	i-033abbee649889951	t2.micro	us-west-2a	terminated			None	
	i-06500b15e36eeb170	t2.micro	us-west-2b	running	2/2 checks ...	None	ec2-54-218-48-17.us-w...	54.21

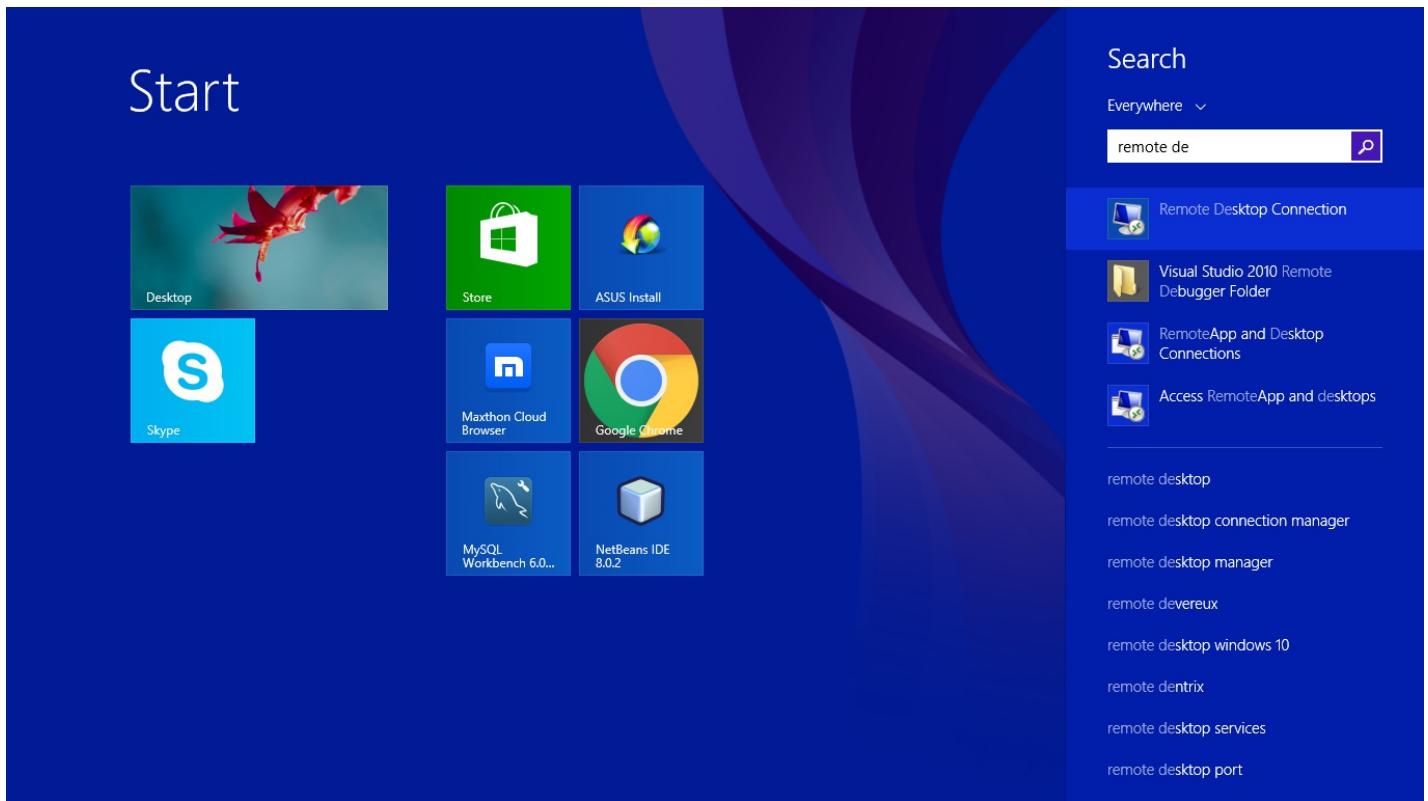
**Description**

Instance: i-06500b15e36eeb170    Public DNS: ec2-54-218-48-17.us-west-2.compute.amazonaws.com

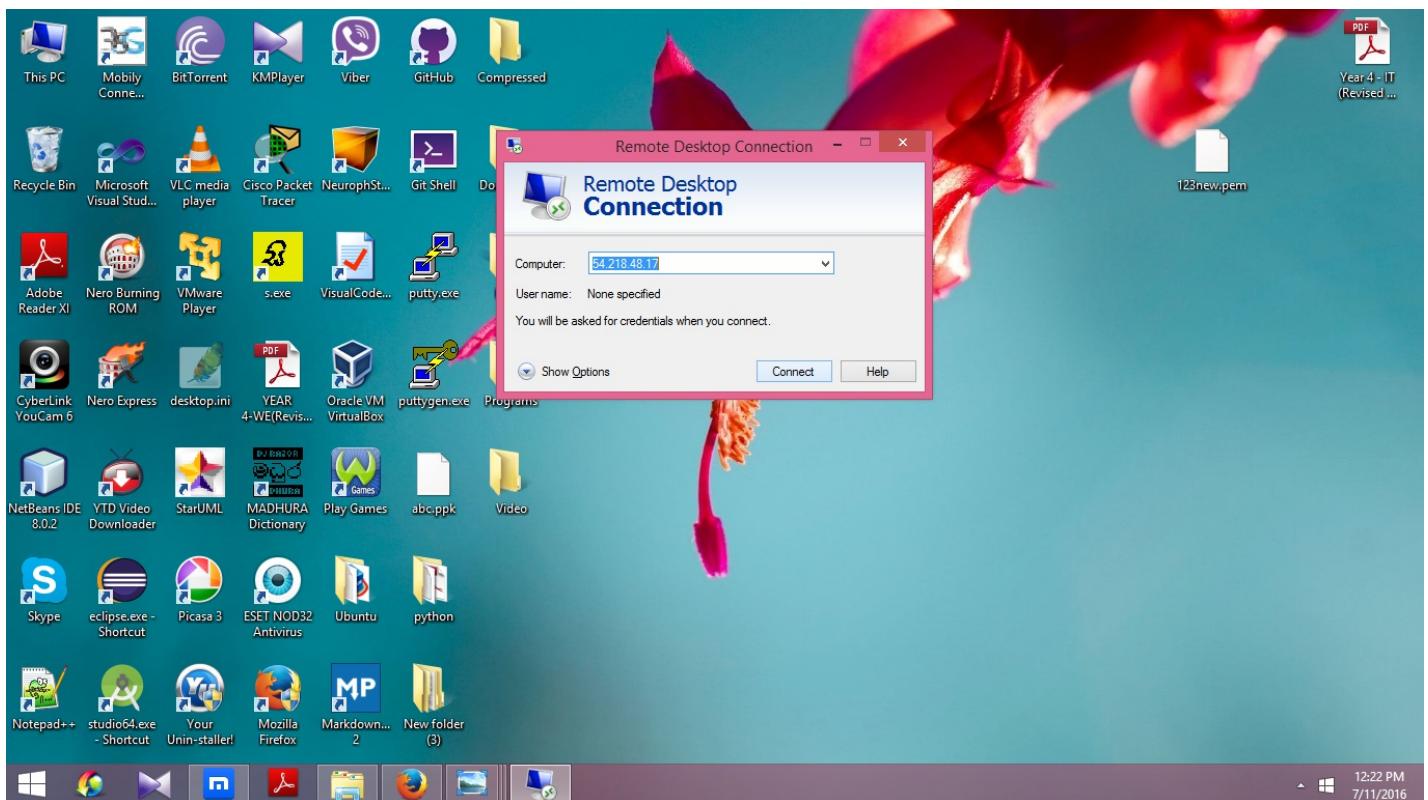
Instance ID	i-06500b15e36eeb170	Public DNS	ec2-54-218-48-17.us-west-2.compute.amazonaws.com
Instance state	running	Public IP	54.218.48.17
Instance type	t2.micro	Elastic IPs	
Private DNS	ip-172-31-23-54.us-west-2.compute.internal	Availability zone	us-west-2b
Private IP's	172.31.23.54	Security groups	launch-wizard-6, view rules

18) Search the **Remote Desktop Connection**.

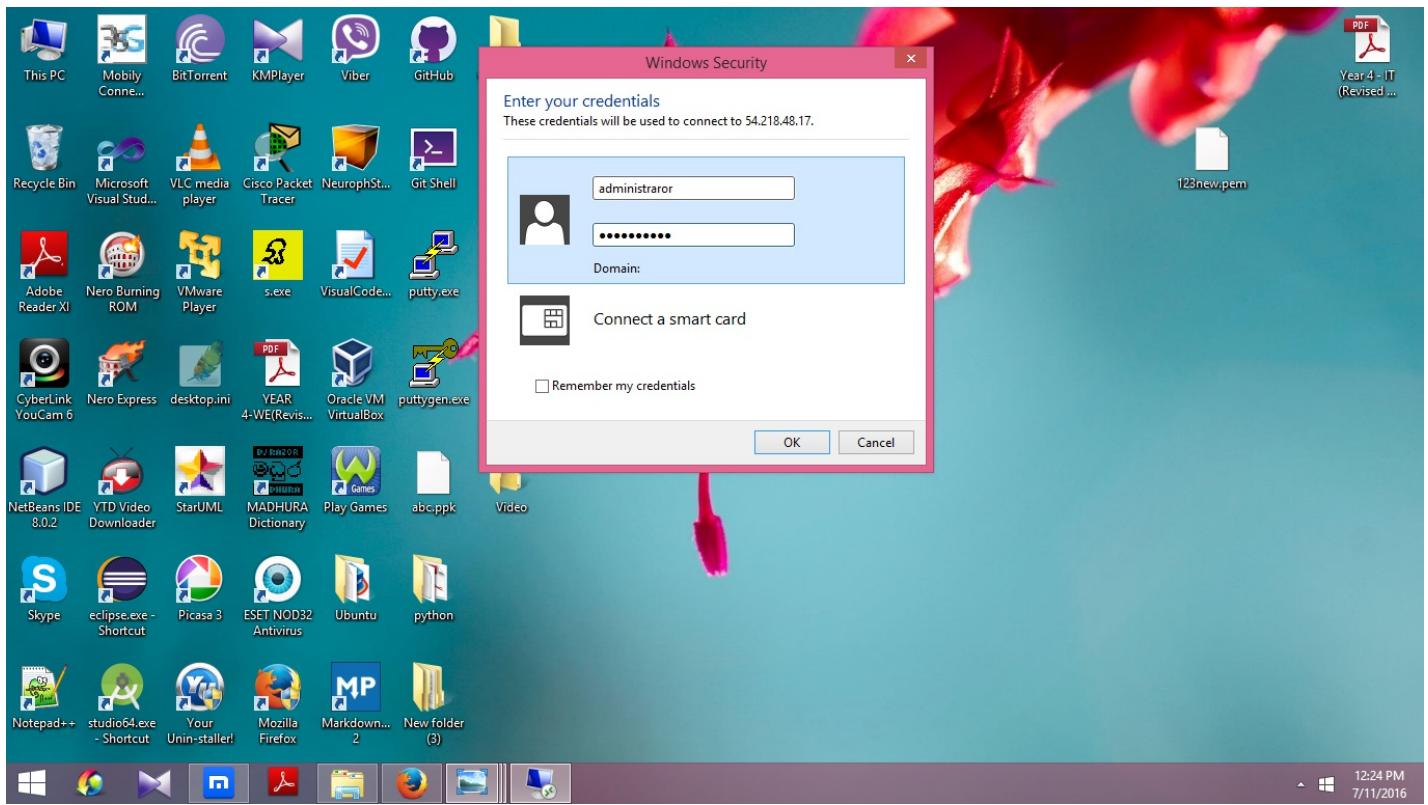
# Start



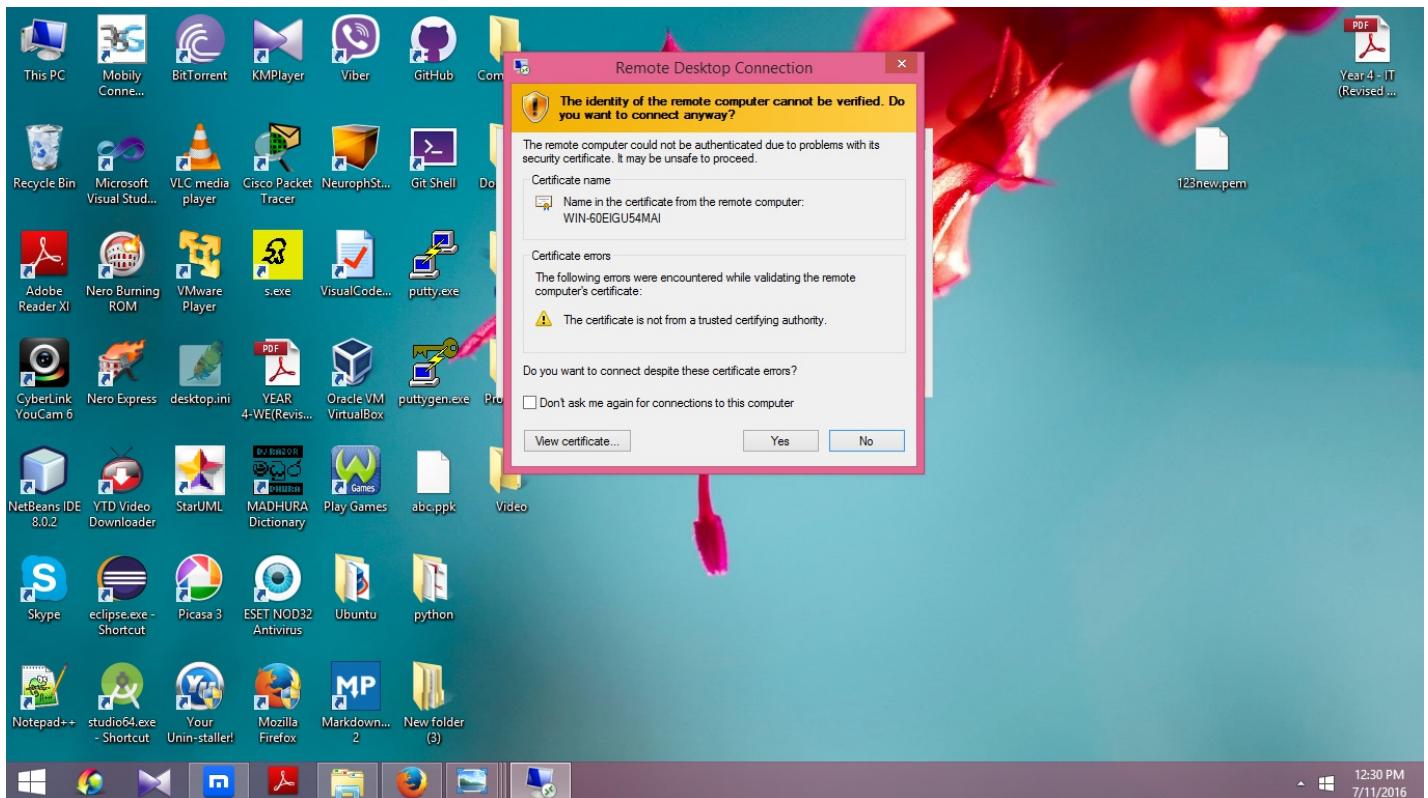
19) Give the **public IP** as the *remote computer IP*. And click on the **Connect** button.

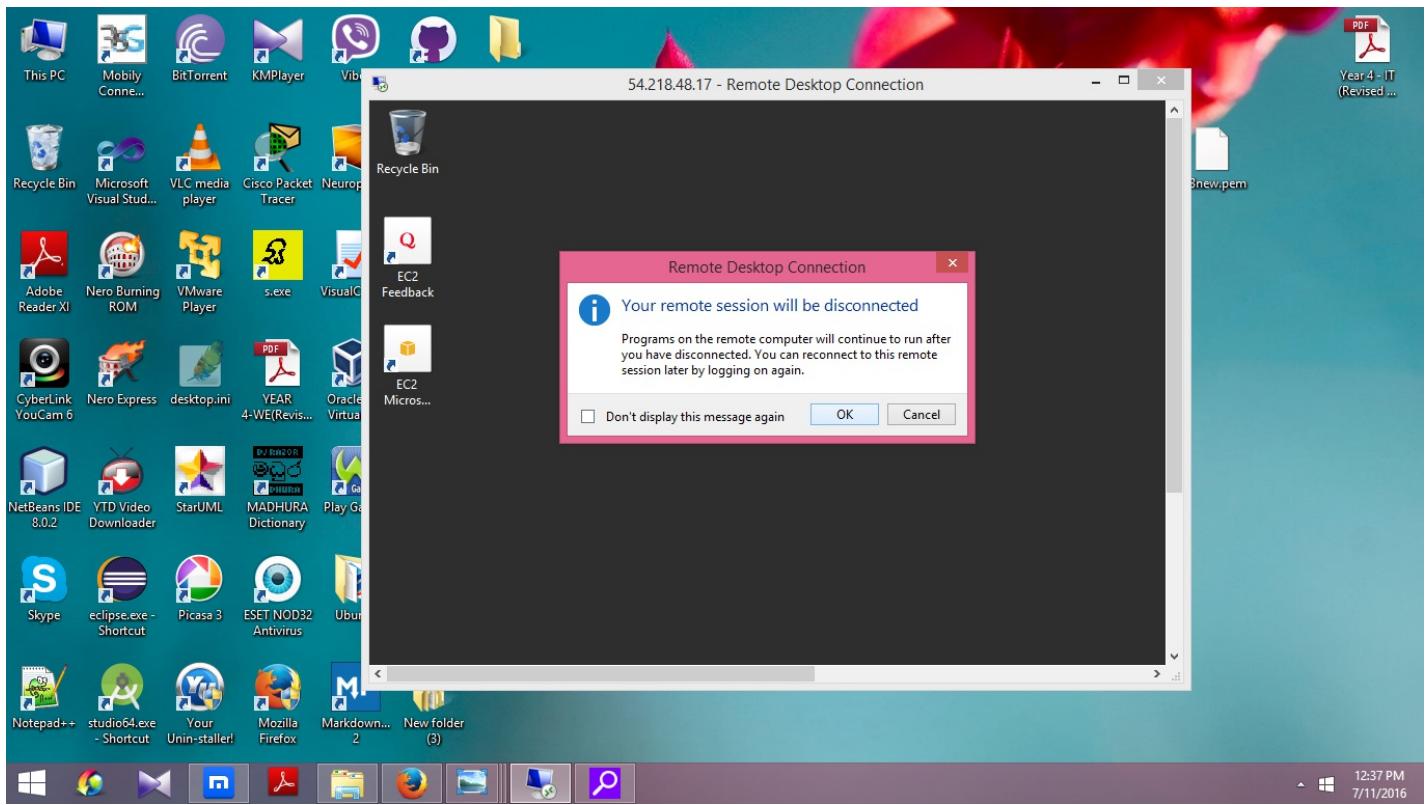


20) Enter the **credentials**. Username- *Administrator*, Password- *the decrypted password*. Then press **OK**



21) After click Yes, Windows instance will appear.





22) Terminate the windows instance.

The screenshot shows the AWS EC2 Management Console interface. On the left, there's a sidebar with navigation links like EC2 Dashboard, Events, Tags, Reports, Limits, INSTANCES, IMAGES, and NETWORK & SECURITY. The main area displays a table of instances. One instance, 'i-06500b15e36eeb170', is selected. A context menu is open over this instance, with 'Terminate' highlighted. The table data for the selected instance is as follows:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS	Publ
i-033abbee649889951	t2.micro	us-west-2a	terminated					
<b>i-06500b15e36eeb170</b>	<b>t2.micro</b>	<b>us-west-2b</b>	<b>running</b>				<b>ec2-54-218-48-17.us-west-2...</b>	<b>54.21</b>

At the bottom of the screen, there's a standard Windows taskbar with icons for File Explorer, Edge browser, Task View, and Search.

23) Windows instance is terminated.

## Title 3 : Creating a MySQL DB Instance and Connecting to a Database on a MySQL DB Instance

### Description:

**Amazon Relational Database Service (Amazon RDS)** makes it easy to set up, operate, and scale a relational database in the cloud. It provides *cost-efficient* and *re-sizeable capacity* while managing time-consuming database administration tasks, freeing you up to focus on your applications and business. This efficiency frees you to focus on your applications and business.

- 1) Sign in to the **AWS Management Console** and open the [Amazon RDS console at.

AWS Management Console

https://us-west-2.console.aws.amazon.com/console/home?region=us-west-2#

Dulanjalee Fernando | Oregon | Support

Quick Starts

- Build a web app
- Launch a Virtual Machine (EC2 Instance)
- Back up your files
- Build a backend for your mobile app
- Host a static website
- Analyze big data

Shortcuts and Recently Viewed Services

- RDS
- S3
- EC2

AWS Services SHOW CATEGORIES

COMPUTE

- EC2
- EC2 Container Service
- Elastic Beanstalk
- Lambda

DEVELOPER TOOLS

- CodeCommit
- CodeDeploy
- CodePipeline

INTERNET OF THINGS

- AWS IoT

GAME DEVELOPMENT

- GameLift

MANAGEMENT TOOLS

- CloudWatch Metrics
- CloudWatch Logs
- CloudWatch Metrics Insights
- CloudWatch Metrics Insights Metrics
- CloudWatch Metrics Insights Metrics Insights
- CloudWatch Metrics Insights Metrics Insights Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics Metrics Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics Metrics Metrics Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics Metrics Metrics Metrics Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics Metrics Metrics Metrics Metrics Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics Metrics Metrics Metrics Metrics Metrics Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics Metrics Metrics Metrics Metrics Metrics Metrics Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics Metrics Metrics Metrics Metrics Metrics Metrics Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics Metrics Metrics Metrics Metrics Metrics Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics Metrics Metrics Metrics Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics Metrics Metrics Metrics
- CloudWatch Metrics Insights Metrics Insights Metrics Metrics
- CloudWatch Metrics Insights Metrics
- CloudWatch Metrics

AWS MARKETPLACE

Find and buy software, launch with 1-Click and pay by the hour.

FEEDBACK

Let us know what you think about new Console Home.

Service Health

All services are operating normally.  
Updated Jul 28 2016 23:38:00 GMT+0530

https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2

11:38 PM  
7/28/2016

2) Then Go to the **RDS Dashboard** and click on “Get Started Now button”.

RDS - AWS Console

https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#gettingStarted:

Dulanjalee Fernando | Oregon | Support

RDS Dashboard

- Instances
- Clusters
- Reserved Purchases
- Snapshots
- Security Groups
- Parameter Groups
- Option Groups
- Subnet Groups
- Events
- Event Subscriptions
- Notifications

Amazon Relational Database Service

Amazon Relational Database Service (Amazon RDS) makes it easy to set up, operate, and scale relational databases in the cloud. It provides cost-efficient and resizable capacity while managing time-consuming database administration tasks, freeing you up to focus on your applications and business.

Get Started Now

Getting Started Guide

Feedback English

© 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

11:39 PM  
7/28/2016

3) After Choose **Launch DB Instance**. The Launch DB Instance Wizard opens on the **Select Engine page**.

To get started, choose a DB Engine below and click Select.

**Amazon Aurora**

Amazon Aurora is a high-performance, MySQL-compatible, enterprise-class database at a tenth the cost of commercial databases.

- Up to 5 times the throughput of MySQL.
- Up to 15 promotable Read Replicas with less than 10 ms lag.
- Up to 64 TB of Auto Scaling storage replicated over multiple Availability Zones.

**Select**

4) On the Select Engine page, choose the **MySQL icon** and then choose Select for the **MySQL DB engine**.

**Step 1: Select Engine**

**Step 2: Production?**

**Production**

Amazon Aurora **Recommended**

MySQL-compatible, enterprise-class database at 1/10th the cost of commercial databases.

MySQL

Use Multi-AZ Deployment and Provisioned IOPS Storage as defaults for high availability and fast, consistent performance.

**Dev/Test**

MySQL

This instance is intended for use outside of production or under the [RDS Free Usage Tier](#).

Billing is based on [RDS pricing](#).

**Cancel** **Previous** **Next Step**

5) Then go to the **Specify DB Details page**, specify your DB instance information. The following figure shows settings for the **DB instance**. When the settings are as you want them, choose **Next step button**.

RDS - AWS Console

https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#launch-dbinstance:ct=gettingStarted: Step 3: Specify DB Details

Step 1: Select Engine  
Step 2: Production?  
**Step 3: Specify DB Details**  
Step 4: Configure Advanced Settings

Your current selection is eligible for the free tier.  
[Learn More](#).

Estimate your monthly costs for the DB instance using the [RDS Instance Cost Calculator](#).

**Specify DB Details**

**Free Tier**

The Amazon RDS Free Tier provides a single db.t2.micro instance as well as up to 20 GB of storage, allowing new AWS customers to gain hands-on experience with Amazon RDS. Learn more about the RDS Free Tier and the instance restrictions [here](#).

Only show options that are eligible for RDS Free Tier

**Instance Specifications**

DB Engine: mysql  
License Model: general-public-license  
DB Engine Version: 5.6.27

Review the [Known Issues/Limitations](#) to learn about potential compatibility issues with specific database versions.

DB Instance Class: - Select One -  
Multi-AZ Deployment: - Select One -  
Storage Type: - Select One -  
Allocated Storage\*: 5 GB

Version number of the database engine to be used for this instance.

Feedback English © 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use 11:42 PM 7/28/2016

RDS - AWS Console

https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#launch-dbinstance:ct=gettingStarted: Cost Calculator.

DB Instance Class: db.t2.small — 1 vCPU, 2 GiB RAM  
Multi-AZ Deployment: - Select One -  
Storage Type: General Purpose (SSD)  
Allocated Storage\*: 5 GB

**Warning:** Provisioning less than 100 GB of General Purpose (SSD) storage for high throughput workloads could result in higher latencies upon exhaustion of the initial General Purpose (SSD) IO credit balance. [Click here](#) for more details.

**Settings**

DB Instance Identifier\*: Test1  
Master Username\*: shalika  
Master Password\*: \*\*\*\*\*  
Confirm Password\*: \*\*\*\*\*

Retype the value you specified for Master Password.

\* Required Cancel Previous Next Step

Feedback English © 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use 11:43 PM 7/28/2016

6) Then go to the **Configure Advanced Settings page**, that provide additional information that RDS needs to launch the **MySQL DB instance**. The table shows settings for an DB instance. Specify the DB instance information, then choose **Launch DB Instance** button.

RDS - AWS Console

https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#launch-dbinstance:ct=gettingStarted: Step 4: Configure Advanced Settings

Configure Advanced Settings

### Network & Security

VPC\* Default VPC (vpc-d52d52b1) Subnet Group default Publicly Accessible Yes Availability Zone No Preference VPC Security Group(s) Create new Security Group default (VPC) grouprds (VPC) launch-wizard-1 (VPC)

### Database Options

Database Name Test1 Database Port 3306 DB Parameter Group default.mysql5.6

Note: If no database name is specified then no initial MySQL database will be created on the DB Instance.

Specify a string of up to 64 alpha-numeric characters that define the name given to a database that Amazon RDS creates when it creates the DB instance, as in "mydb". If you do not specify a database name, Amazon RDS does not create a database when it creates the DB instance.

RDS - AWS Console https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#launch-dbinstance:ct=gettingStarted: Step 4: Configure Advanced Settings

DB Parameter Group default.mysql5.6 Option Group default:mysql-5-6 Copy Tags To Snapshots  Enable Encryption No

### Backup

Please note that automated backups are currently supported for InnoDB storage engine only. If you are using MyISAM, refer to detail here.

Backup Retention Period 7 days Backup Window No Preference

### Monitoring

Enable Enhanced Monitoring No

### Maintenance

Auto Minor Version Upgrade Yes Maintenance Window No Preference

\* Required Cancel Previous Launch DB Instance

RDS - AWS Console https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#launch-dbinstance:ct=gettingStarted: Step 4: Configure Advanced Settings

Feedback English © 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use 11:46 PM 7/28/2016

7) After launch the DB instance your DB instance is being **created**. Then click on **view your DB instance button**.

RDS - AWS Console

https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#launch-dbinstance:ct=gettingStarted: Search Dulanjalee Fernando Oregon Support

Step 1: Select Engine  
Step 2: Production?  
Step 3: Specify DB Details  
Step 4: Configure Advanced Settings

Your DB Instance is being created.  
Note: Your instance may take a few minutes to launch.

Connecting to your DB Instance  
You will be unable to connect to your database instance unless you have previously authorized access on your chosen security group.  
[Go to the Security Groups Page](#)

Related AWS Services  
**Amazon ElastiCache**  
Add a managed Memcached or Redis-compatible in-memory cache to speed up your database access.  
[Click here to learn more and launch your Cache Cluster](#)

[View Your DB Instances](#)



8) Then On the **RDS console**, the new DB instance appears in the list of DB instances. The DB instance will have a status of creating until the DB instance is *created and ready for use*. When the state changes to available, you *can connect to a database on the DB instance*. Depending on the DB instance class and store allocated, *it could take several minutes for the new DB instance to become available*.

RDS - AWS Console

https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#dbinstances:id=Test1: Search Dulanjalee Fernando 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 test1 Viewing 1 of 1 DB Instances

Engine	DB Instance	Status	CPU	Current Activity	Maintenance	Class	VPC	Multi-AZ	Replication Role
MySQL	test1	creating			None	db.t2.small	vpc-d52d52b1	No	



RDS - AWS Console

https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#dbinstances:sf=all

AWS Services Edit

Dulanjalee Fernando 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 test1 Viewing 1 of 1 DB Instances

	Engine	DB Instance	Status	CPU	Current Activity	Maintenance	Class	VPC	Multi-AZ	Replication Role
MySQL	test1	backing-up	None	db.t2.small	vpc-d52d52b1	No				

Feedback English

© 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

11:49 PM 7/28/2016

RDS - AWS Console

https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#dbinstances:id=test1;sf=all

AWS Services Edit

Dulanjalee Fernando 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 test1 Viewing 1 of 1 DB Instances

	Engine	DB Instance	Status	CPU	Current Activity	Maintenance	Class	VPC	Multi-AZ	Replicati
MySQL	test1	available	2.95%	0 Connections	None	db.t2.small	vpc-d52d52b1	No		

Endpoint: test1.cgei2y8icazu.us-west-2.rds.amazonaws.com:3306 (authorized)

Alarms and Recent Events

TIME (UTC+5:30)	EVENT
No Recent Events	

Monitoring

CURRENT VALUE	THRESHOLD	LAST HOUR	CURRENT VALUE	LAST HOUR
CPU 1.83%			Read IOPS 0/sec	
Memory 1,500 MB			Write IOPS 0.358/sec	
Storage 4,540 MB			Swap Usage 0 MB	

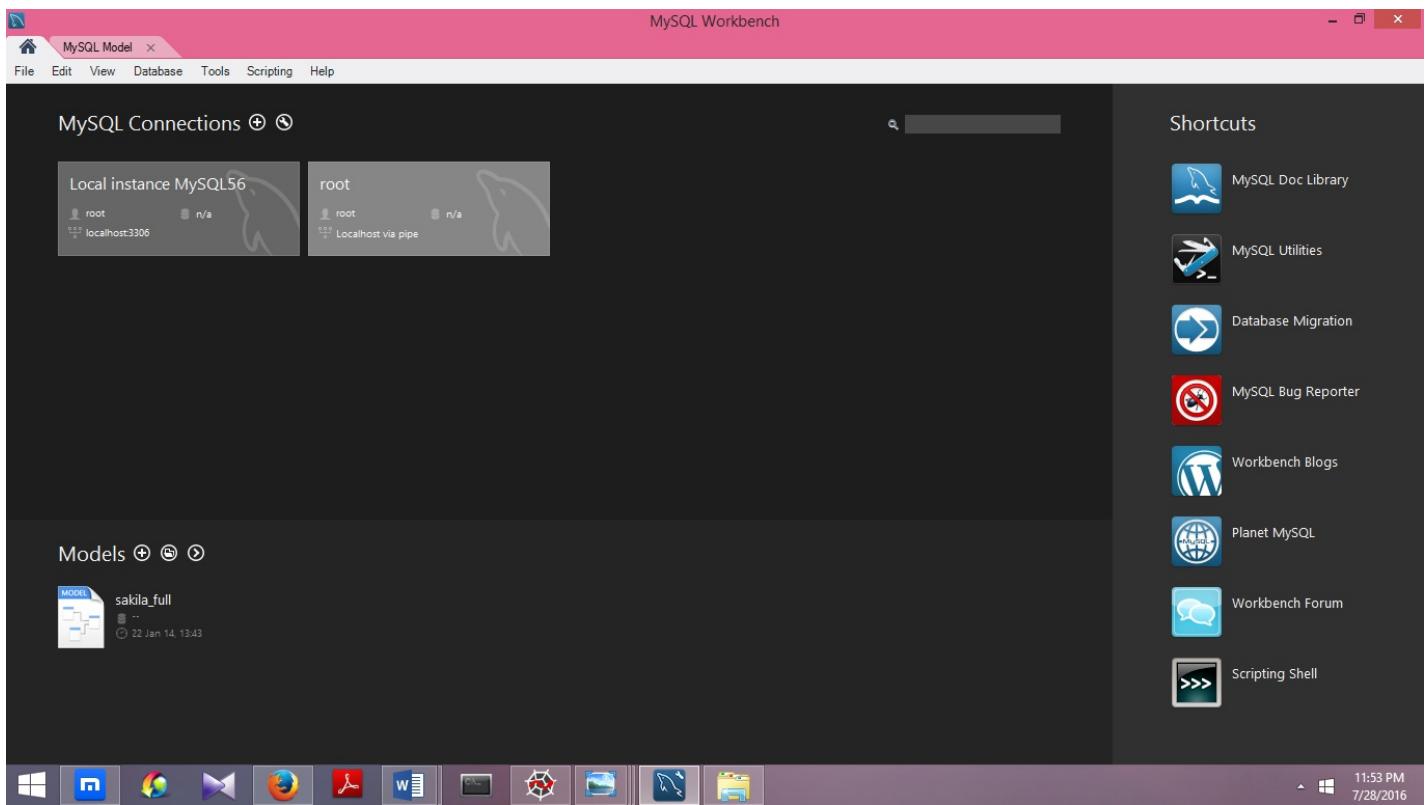
Instance Actions Tags Logs

Feedback English

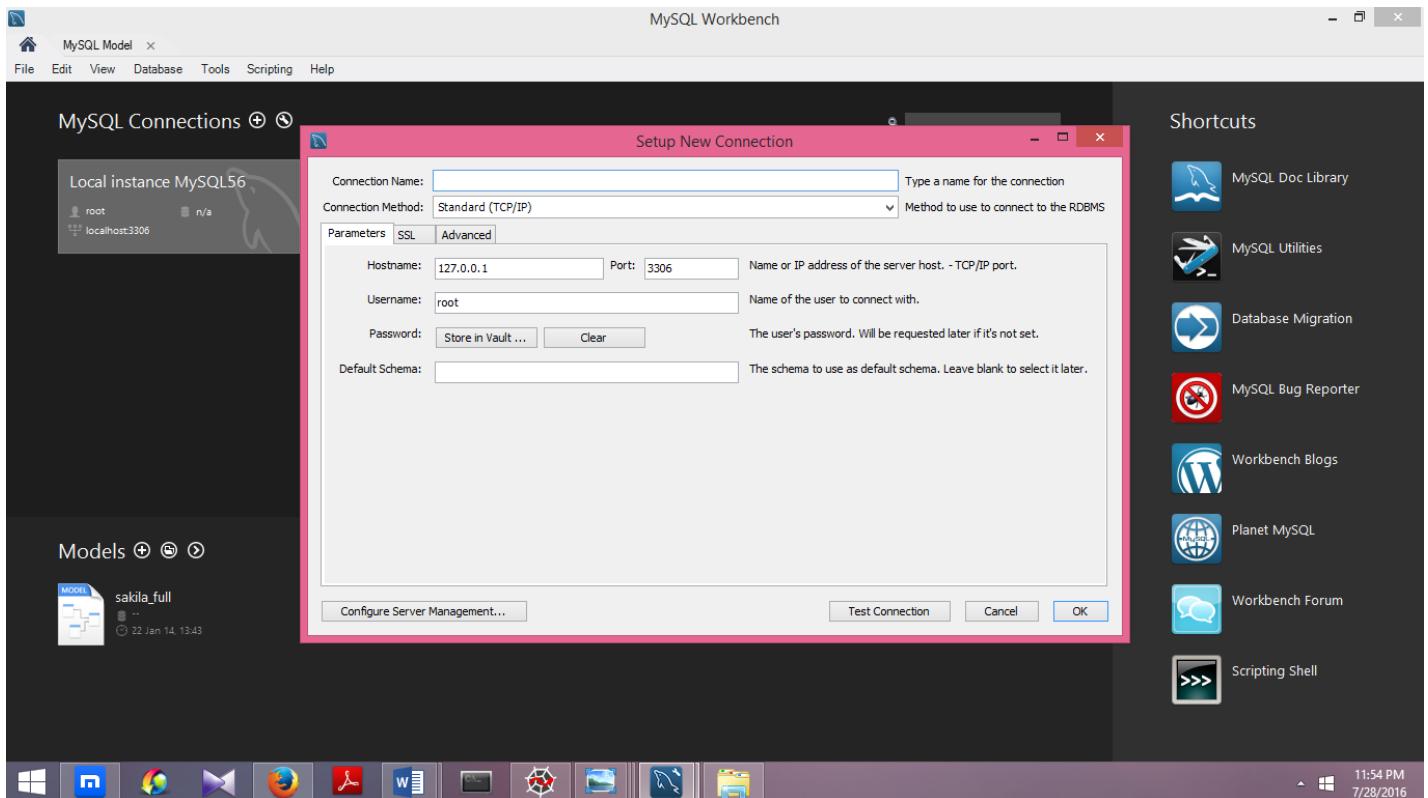
© 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

11:53 PM 7/28/2016

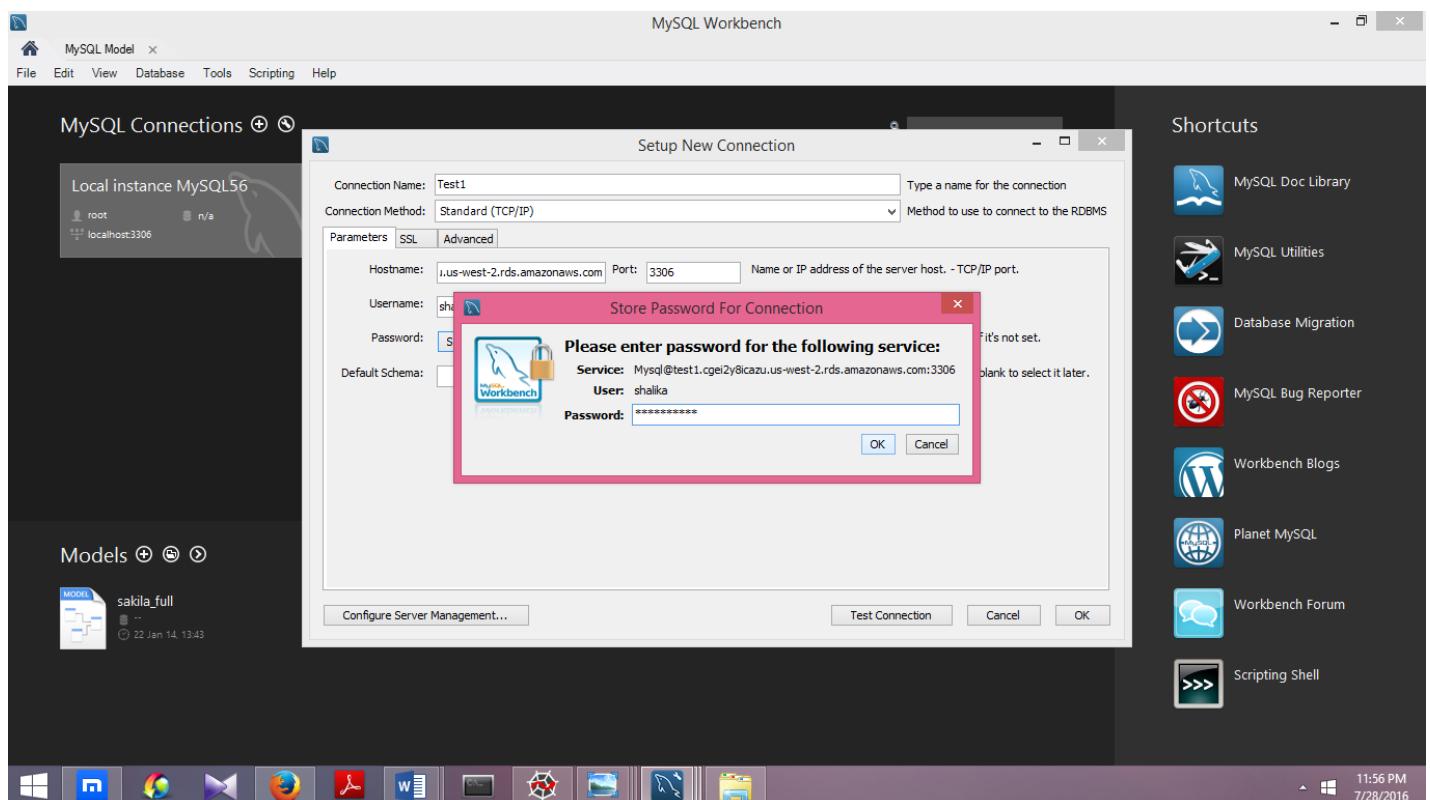
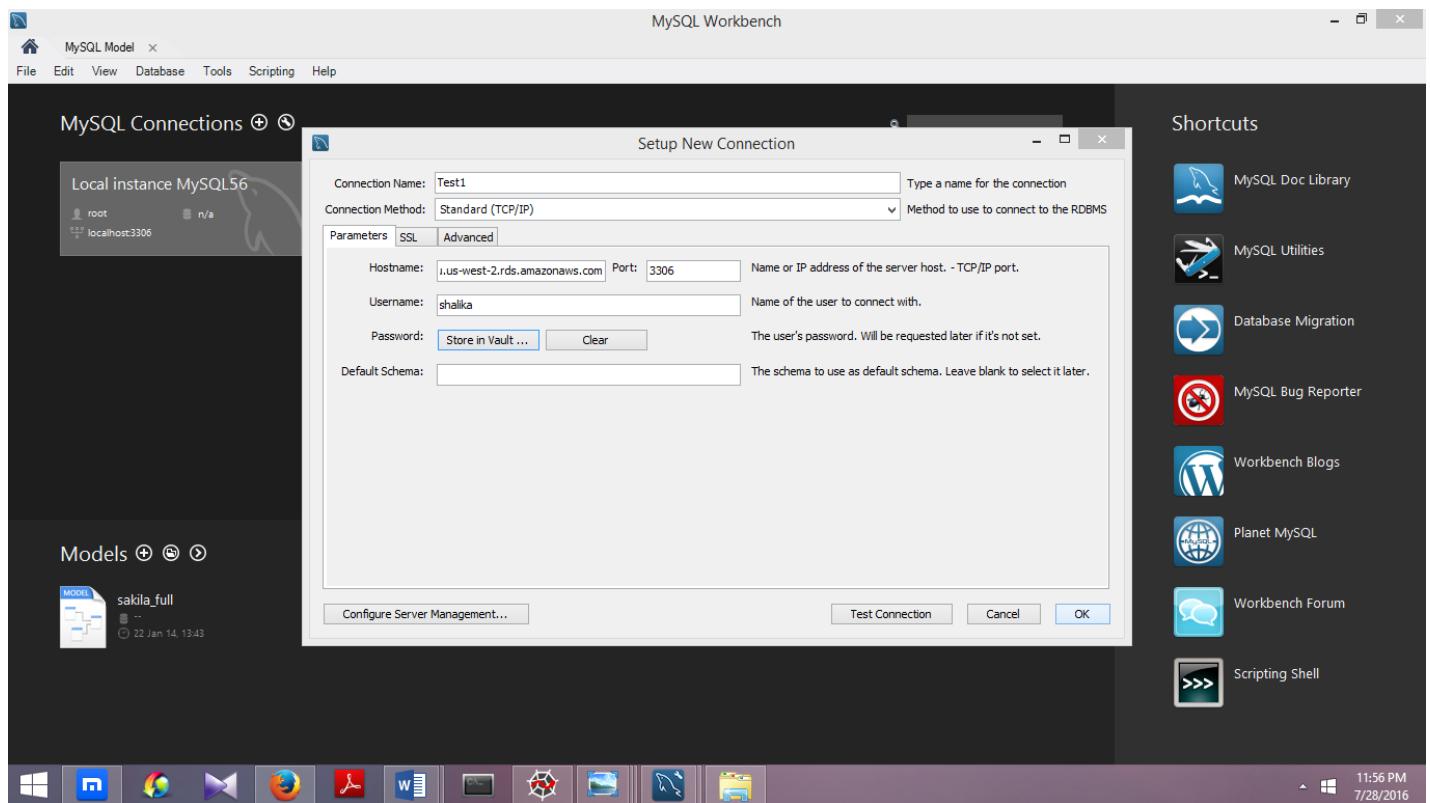
9) Once available your DB instance, open the **MySQL workbench** to connect to a database on the DB instance.



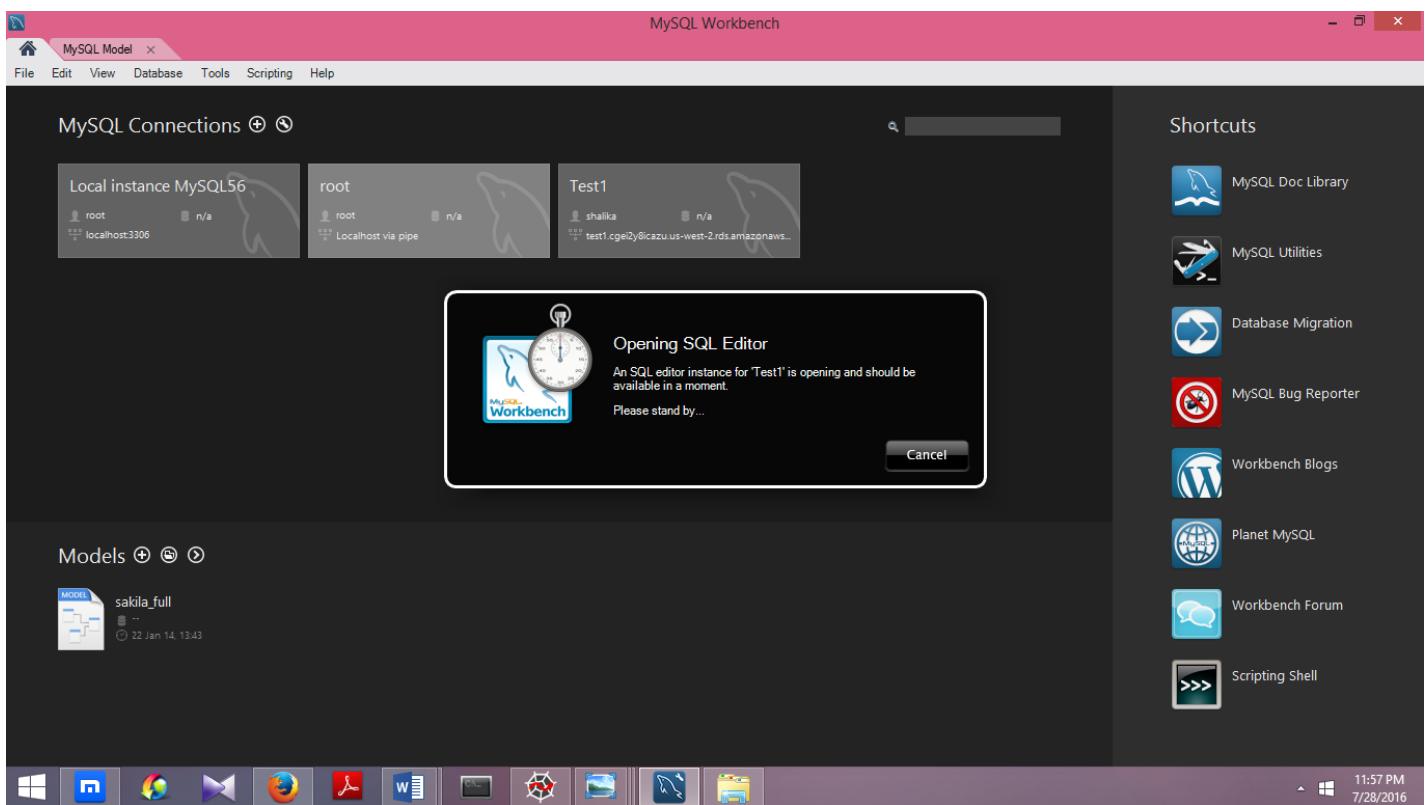
10) then add the **new connection** to the *MySQL workbench*.



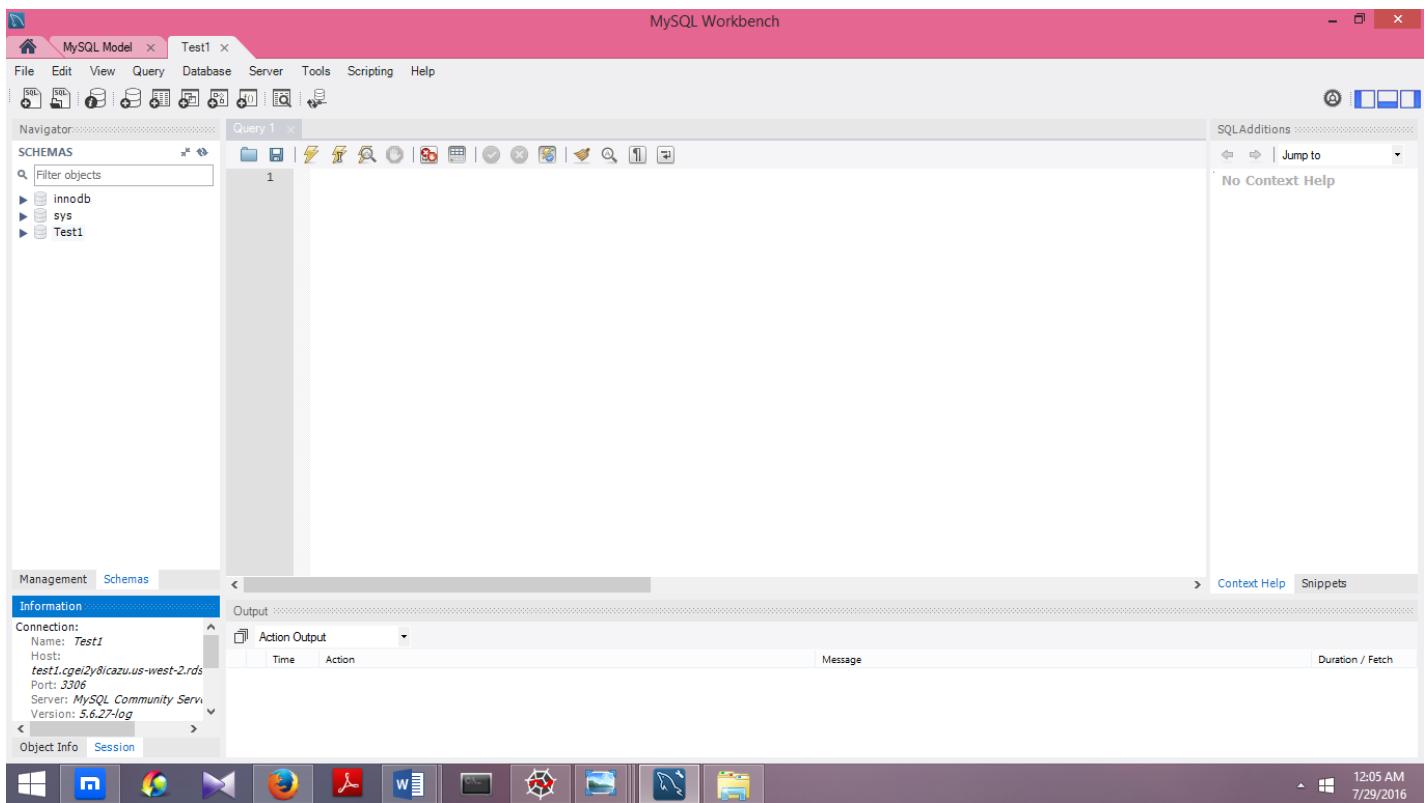
11) Then give DB instance *endpoint* for the **host name** , and the *master user name* for the **user name**, and the *master password* you used for **password**.Then press **OK button**.



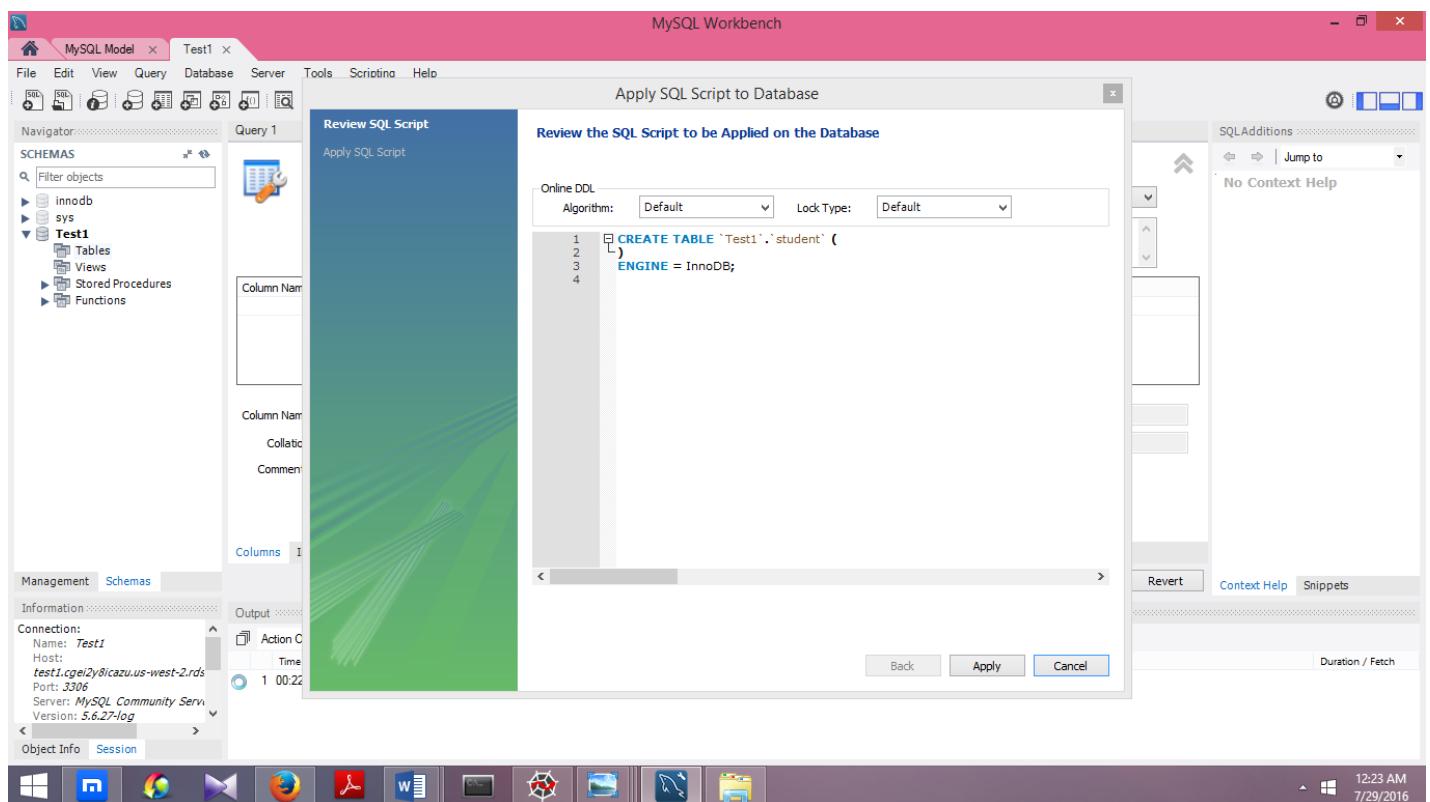
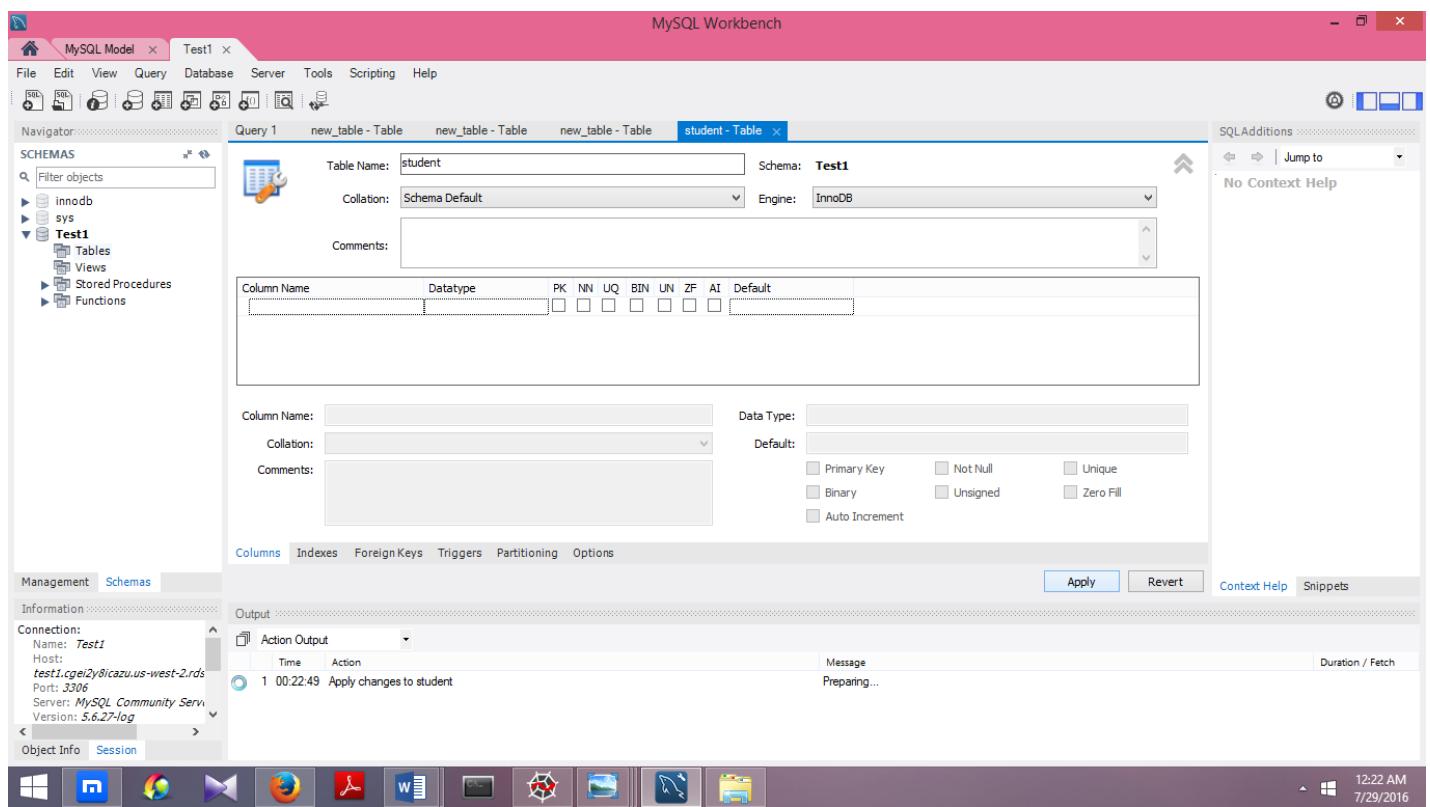
12) Then can see the created DB instance. After click on that created DB instance.

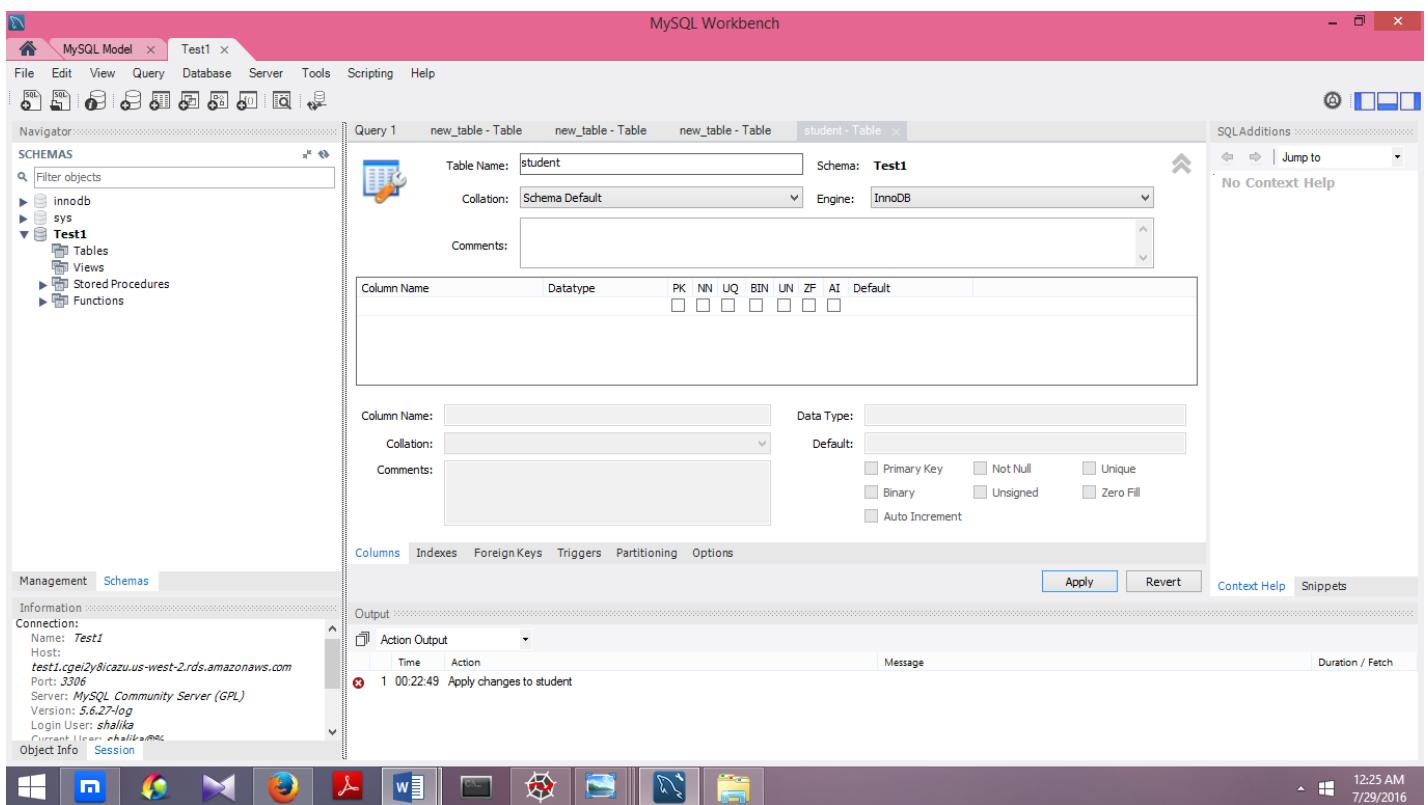


13) Then in the bottom of the left hand side, You will see output similar to the following.



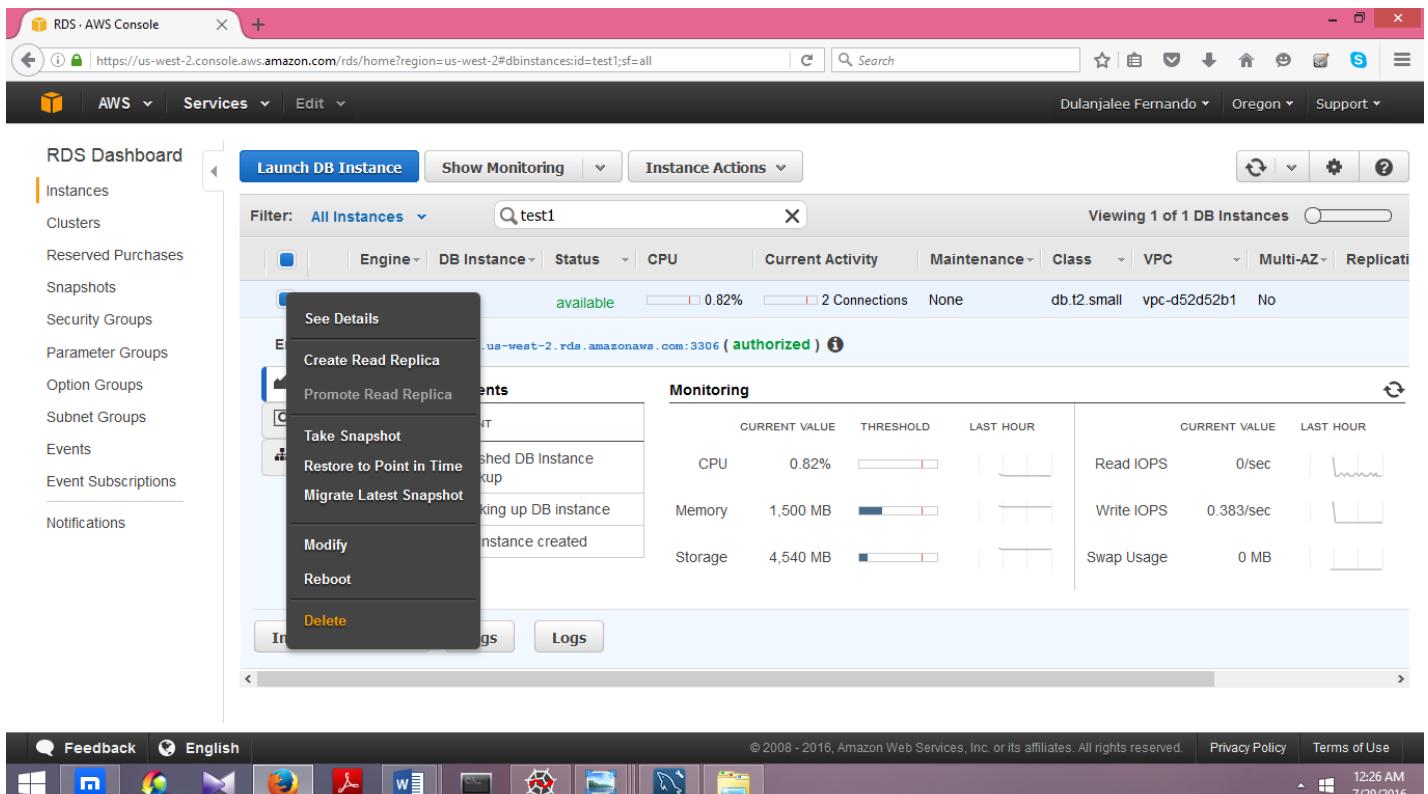
14) After that **create the table** to check whether the connection is working.



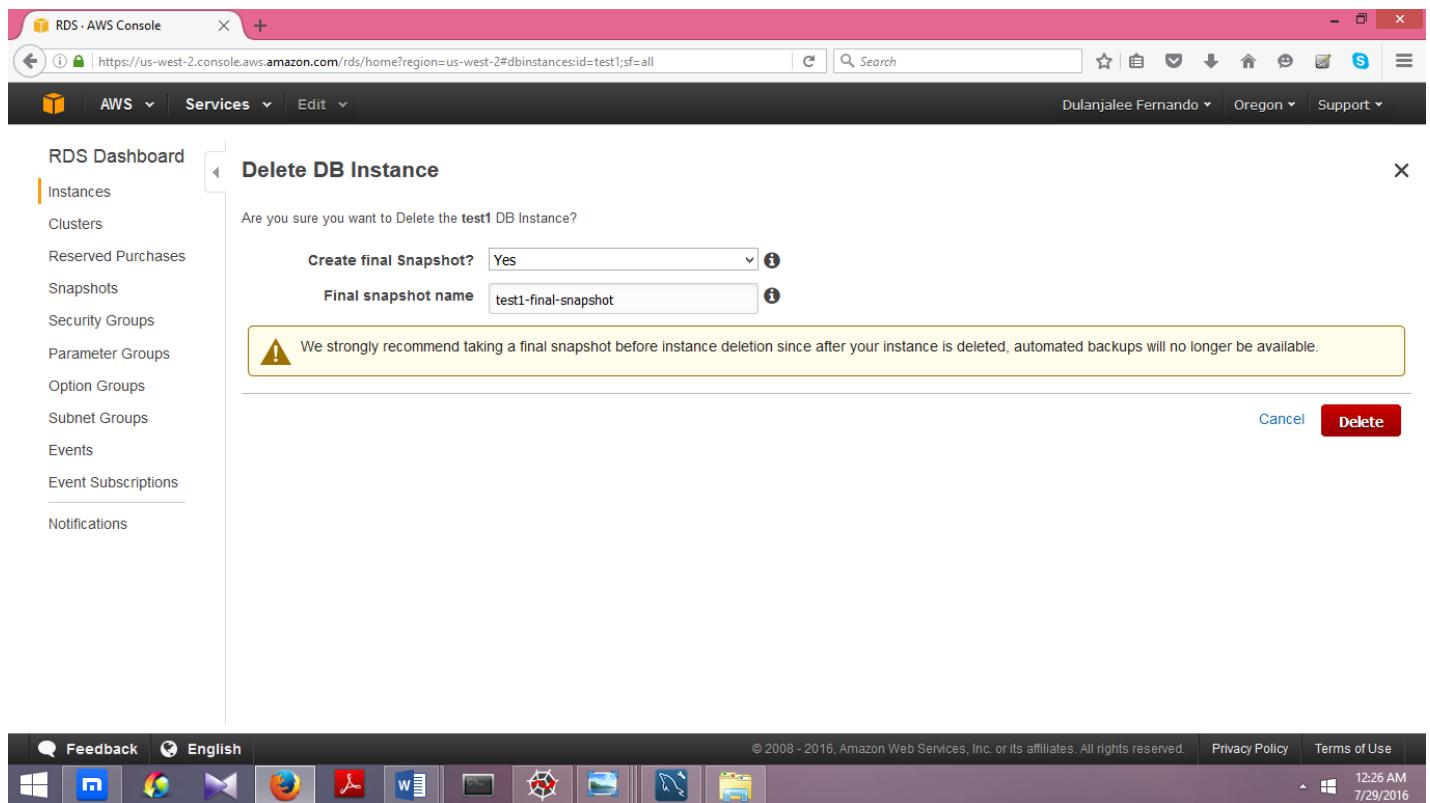


15) Then **delete** the created DB instance.Sign in to the **AWS Management Console** and open the Amazon RDS console.

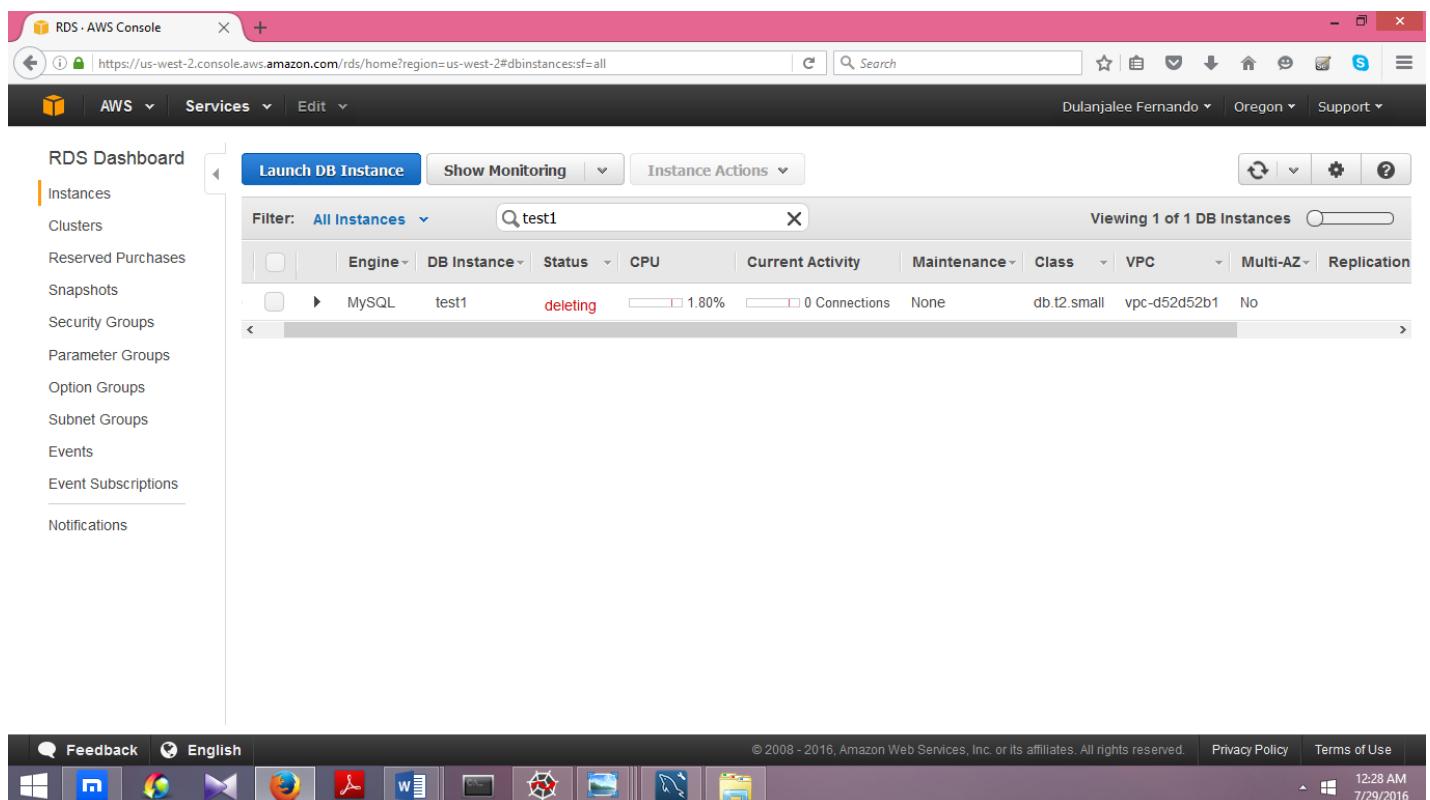
In the *Instances list*, choose the DB instance you wish to delete.And choose Instance Actions, and then choose Delete from the drop down menu



16) Choose **Yes**, Then press **Delete** button.



17) Then your instance will be **deleting**. This takes a several time.



The screenshot shows the AWS RDS Dashboard. On the left, there's a sidebar with links like Instances, Clusters, Reserved Purchases, Snapshots, Security Groups, Parameter Groups, Option Groups, Subnet Groups, Events, Event Subscriptions, and Notifications. The main area has tabs for 'Launch DB Instance', 'Show Monitoring', and 'Instance Actions'. A search bar at the top says 'Search' and 'Filter: All Instances'. Below it is a table header with columns: Engine, DB Instance, Status, CPU, Current Activity, Maintenance, Class, VPC, Multi-AZ, Replication Role, and Encrypted. A note below the table says: '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.' A note at the bottom says: 'Note: Your DB Instances will launch in the US West (Oregon) region.'



18) After deleting the DB instance you can not logging to the MySQL workbench ,That you are created previously.(Test 1)

The screenshot shows MySQL Workbench. The left sidebar has 'MySQL Model' and 'Test1' sections. Under 'MySQL Connections', there are two entries: 'Local instance MySQL56' (status: n/a) and 'root' (status: n/a). A central modal dialog box titled 'MySQL Workbench' says 'Cannot Connect to Database Server'. It contains the following text:  
 Your connection attempt failed for user 'shalika' from your host to server at test1.cgeizy8icazu.us-west-2.rds.amazonaws.com:3306:  
 Unknown MySQL server host  
 'test1.cgeizy8icazu.us-west-2.rds.amazonaws.com' (0)  
 Please:  
 1 Check that mysql is running on server test1.cgeizy8icazu.us-west-2.rds.amazonaws.com  
 2 Check that mysql is running on port 3306 (note: 3306 is the default, but this can be changed)  
 3 Check the shalika has rights to connect to test1.cgeizy8icazu.us-west-2.rds.amazonaws.com from your address (mysql rights define what clients can connect to the server and from which machines)  
 4 Make sure you are both providing a password if needed and using the correct password for test1.cgeizy8icazu.us-west-2.rds.amazonaws.com connecting from the host address you're connecting from

The right sidebar is titled 'Shortcuts' and lists several items: MySQL Doc Library, MySQL Utilities, Database Migration, MySQL Bug Reporter, Workbench Blogs, Planet MySQL, Workbench Forum, and Scripting Shell. The taskbar at the bottom is identical to the one in the previous screenshot.