



SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

Enterprise Standards and Best Practices for IT Infrastructure

**4<sup>th</sup> Year 2<sup>nd</sup> Semester 2014**

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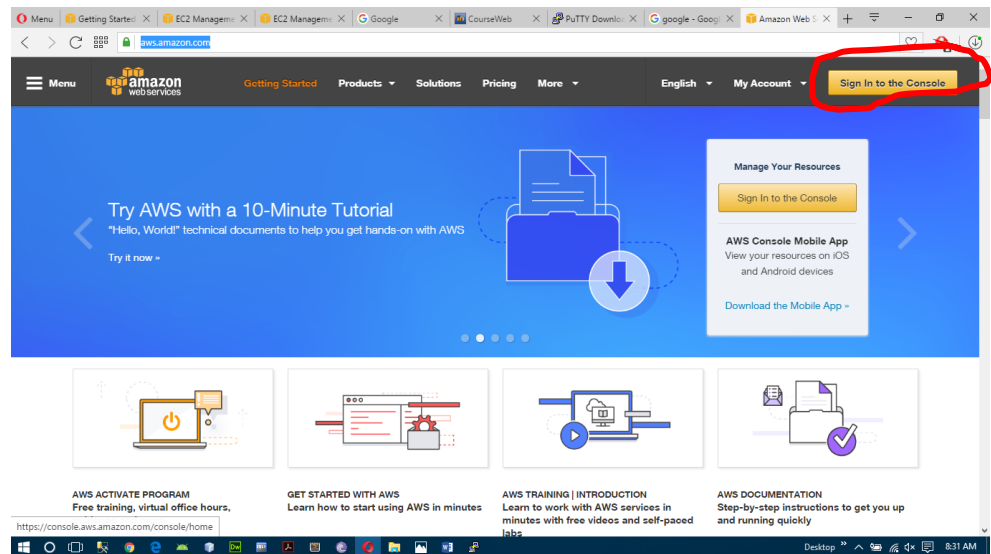
Date of Evaluation : \_\_\_\_\_

Evaluators Signature : \_\_\_\_\_

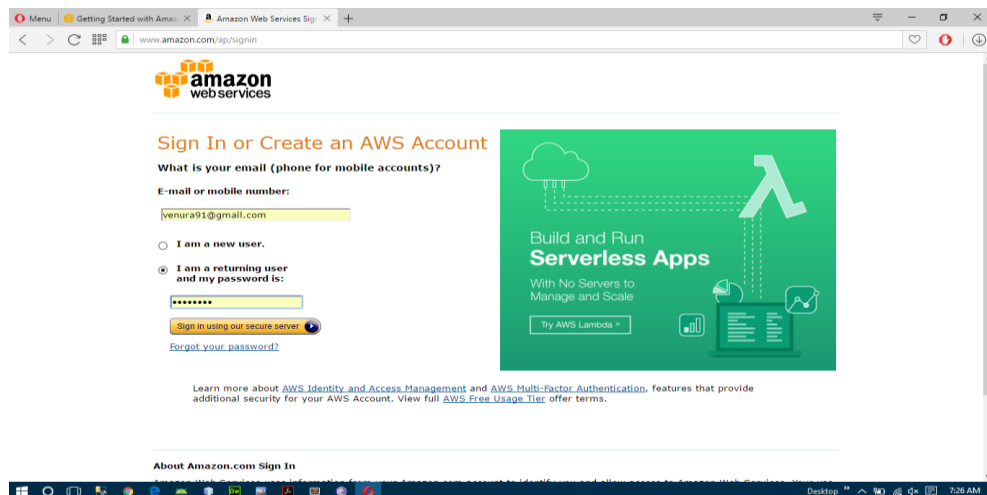
- Create Amazon Relational Database Service (RDS)

1. When create windows instance ,very first we want to create amazon account, it can do it below link,

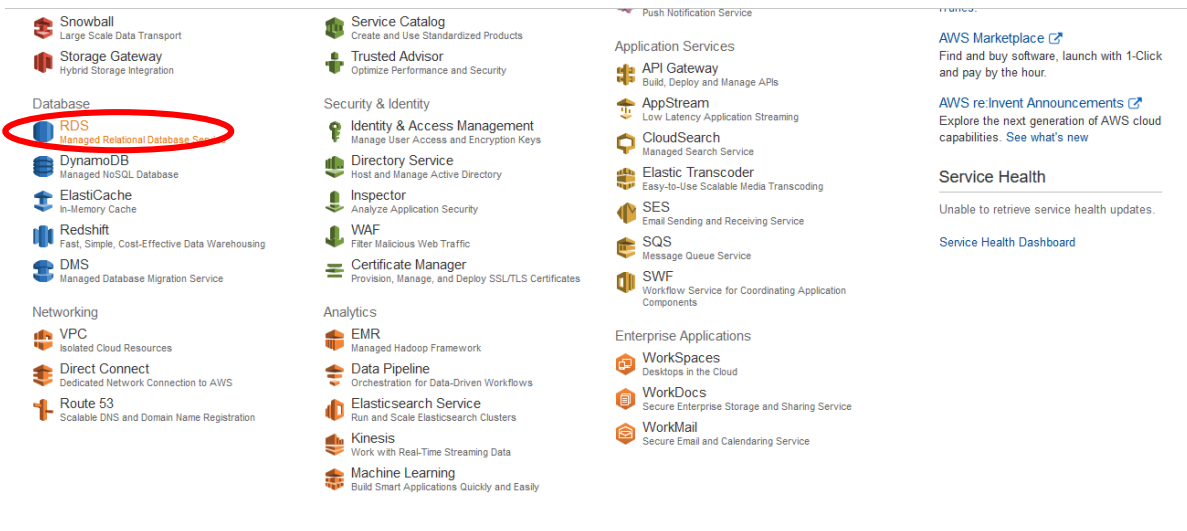
<https://aws.amazon.com>.



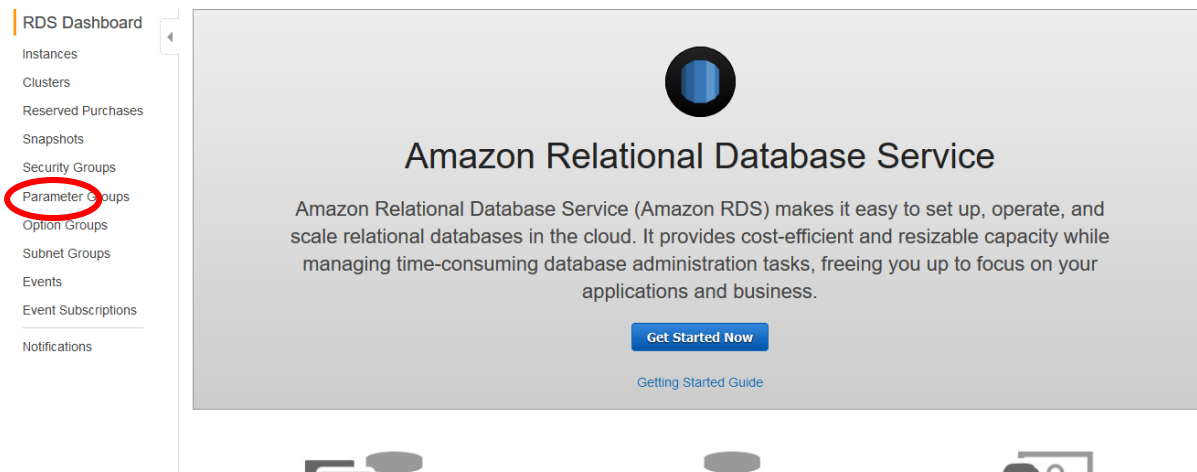
2. After creating the account log into the account and Open the Amazon EC2 console at <https://console.aws.amazon.com/ec2/>



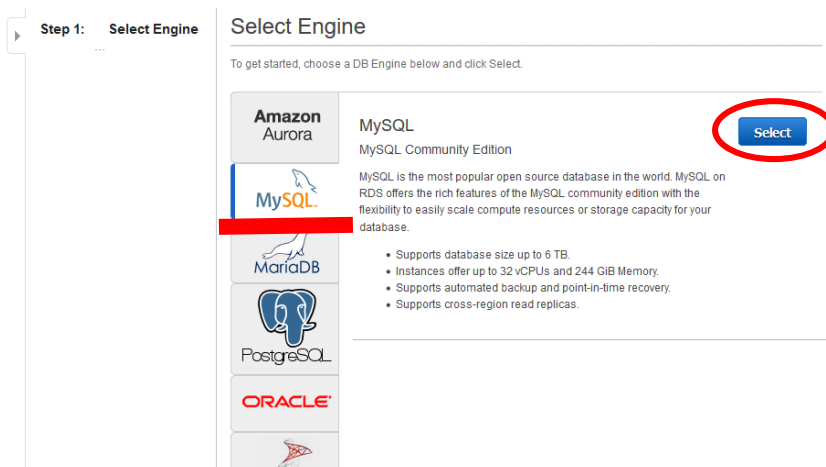
3. Then select the RDB in aws window.



4. Select instance and click the launch a DB instance



5. In select engine window select the data base



## 6. In a production purposes window select product

Step 1: [Select Engine](#)  
Step 2: **Production?**  
Step 3: [Specify DB Details](#)  
Step 4: [Configure Advanced Settings](#)

### Do you plan to use this database for production purposes?

**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](#)

## 7. Specify database Details window file details below image

Step 1: [Select Engine](#)  
Step 2: [Production?](#)  
Step 3: **Specify DB Details**  
Step 4: [Configure Advanced Settings](#)

**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: 5.6.19a

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

DB Instance Class: db.t2.micro — 1 vCPU, 1 GB RAM  
Multi-AZ Deployment: No  
Storage Type: General Purpose (SSD)  
Allocated Storage\*: 5 GB

**Settings**

DB Instance Identifier\*: testDBInstance  
Master Username\*: testuser  
Master Password\*: .....  
Confirm Password\*: .....

\* Required

[Cancel](#) [Previous](#) [Next Step](#)

## 8. File DB instance name ,master username ,and set master password. Then click the next step

9. In configuration advance setting fill database name click the lunch DB instance button

Database Name

users

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

Database Port

3306

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

10. Then click the view instance button

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](#)

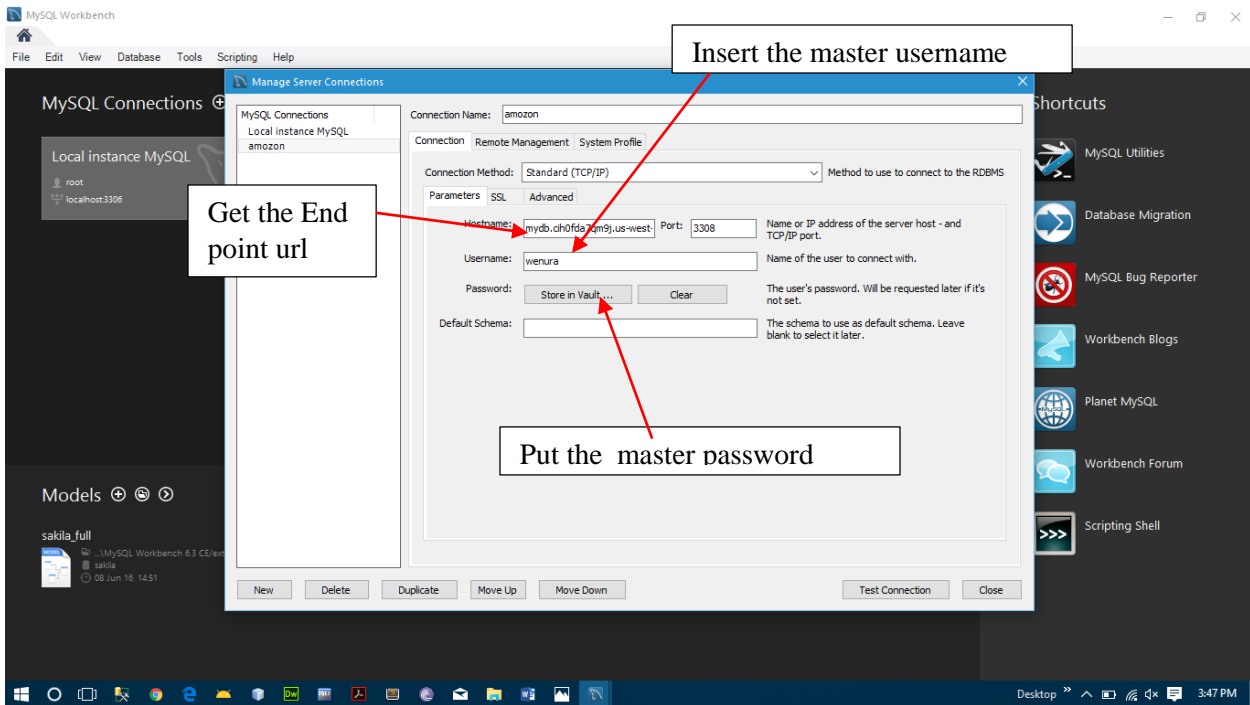
Related AWS Services

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

11. After creating Database open workbench and fill the fellow details using aws database details window



12. After successfully connect database you can do any database related work .