



SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

Enterprise Standards and Best Practices for IT Infrastructure

4th Year 2nd Semester 2014

Installing MySQL in Cloud Amazon

Name: Perera M.A.L.P

SLIIT ID: IT13050436

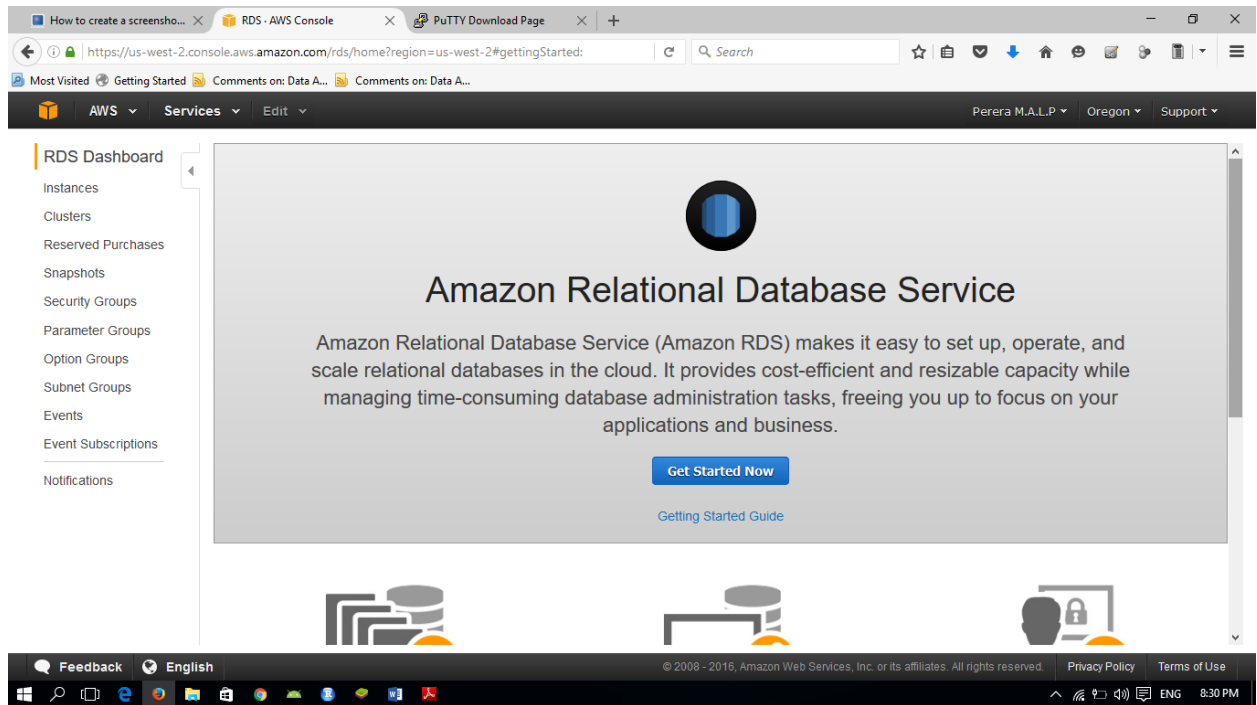
Practical Session: WD Friday

Date of Submission: 30.July.2016

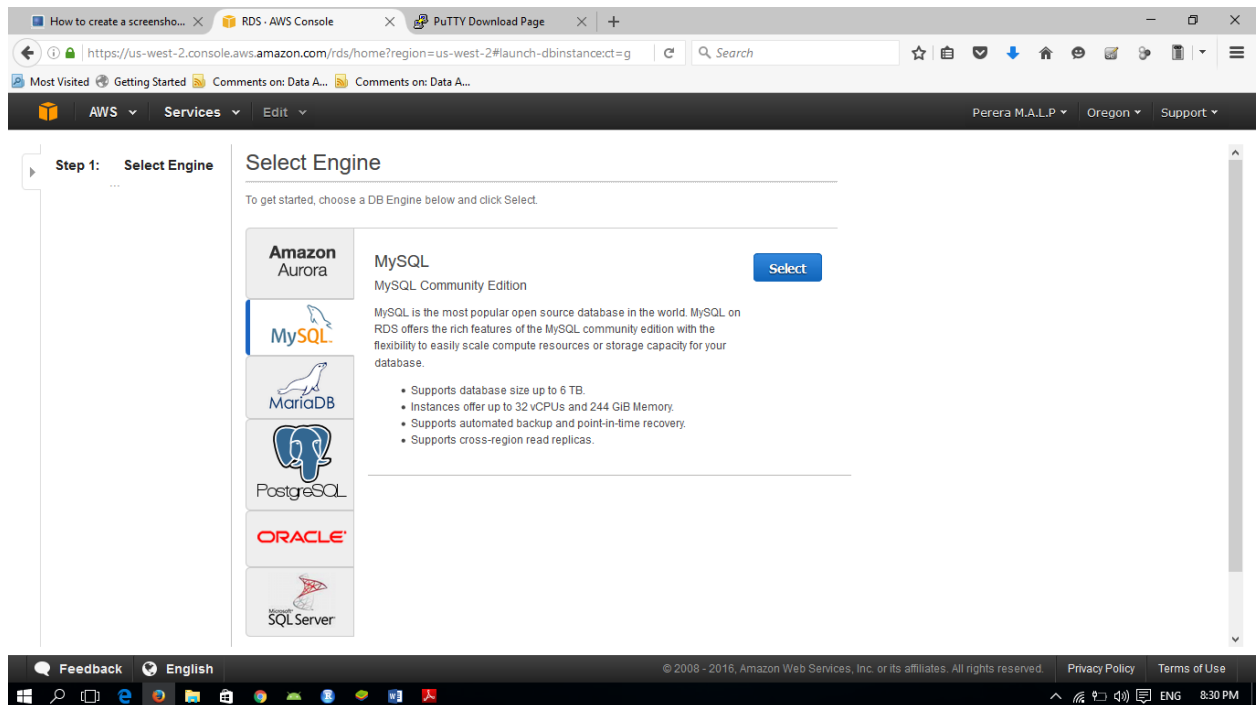
Date of Evaluation : _____

Evaluators Signature : _____

- In AWS home select 'RDS' then click 'Instances'.



- Click 'Launch DB Instance' & Select 'MySQL' and click 'Select'. Click 'Launch DB Instance' & Select 'MySQL' and click 'Select'.



- Select 'MySQL' in Production and Click 'Next Step'

The screenshot shows the AWS RDS console interface. On the left, a sidebar lists the steps: Step 1: Select Engine, Step 2: Production?, Step 3: Specify DB Details, and Step 4: Configure Advanced Settings. The main content area is titled 'Do you plan to use this database for production purposes?'. It has two columns: 'Production' and 'Dev/Test'. Under 'Production', there are two options: 'Amazon Aurora' (marked 'Recommended') and 'MySQL'. The 'MySQL' option is selected with a radio button. Below it, text says 'Use Multi-AZ Deployment and Provisioned IOPS Storage as defaults for high availability and fast, consistent performance.' Under 'Dev/Test', there is a 'MySQL' option with text: 'This instance is intended for use outside of production or under the RDS Free Usage Tier.' At the bottom, there are 'Cancel', 'Previous', and 'Next Step' buttons. The footer shows '© 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved.' and the time '8:31 PM'.

- Select db.12.micro—1 vCPU, 1 GiB RAM, select No for Multi-AZ Deployment, Storage Type : General Purpose (SSD), Allocated Storage : 15 GB , Give a DB Instance Identifier any name and for Master Username any username and Click 'Next Step'

The screenshot shows the AWS RDS console interface for the 'Specify DB Instance Details' step. The 'Storage Type' is set to 'General Purpose (SSD)' and 'Allocated Storage' is 15 GB. A warning message states: '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.' Under the 'Settings' section, the 'DB Instance Identifier' is 'LahiruMySQL' and the 'Master Username' is 'Lahiru_Perera'. A red box highlights the 'Master Username' field with a message: 'Only numbers, letters, and _ accepted'. The 'Master Password' and 'Confirm Password' fields are masked with dots. On the right, a note says: 'Specify an alphanumeric string that defines the login ID for the master user. You use the master user login to start defining all users, objects, and permissions in the databases of your DB instance. Master Username must start with a letter, as in "awsuser".' At the bottom, there are 'Cancel', 'Previous', and 'Next Step' buttons. The footer shows '© 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved.' and the time '8:42 PM'.

- Select 'No' in Enable Enhanced Monitoring and Click 'Launch DB Instance'

How to create a screenshot... RDS - AWS Console PuTTY Download Page

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

AWS Services Edit

Perera M.A.L.P Oregon Support

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: Yes

Monitoring Role: Yes

Granularity: 60 second(s)

☒ I authorize RDS to create the IAM role rds-monitoring-role.

Maintenance

Auto Minor Version Upgrade: Yes

Maintenance Window: No Preference

Feedback English

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

8:43 PM

- Click 'View Your DB Instance'

How to create a screenshot... RDS - AWS Console PuTTY Download Page

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

AWS Services Edit

Perera M.A.L.P 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](#)

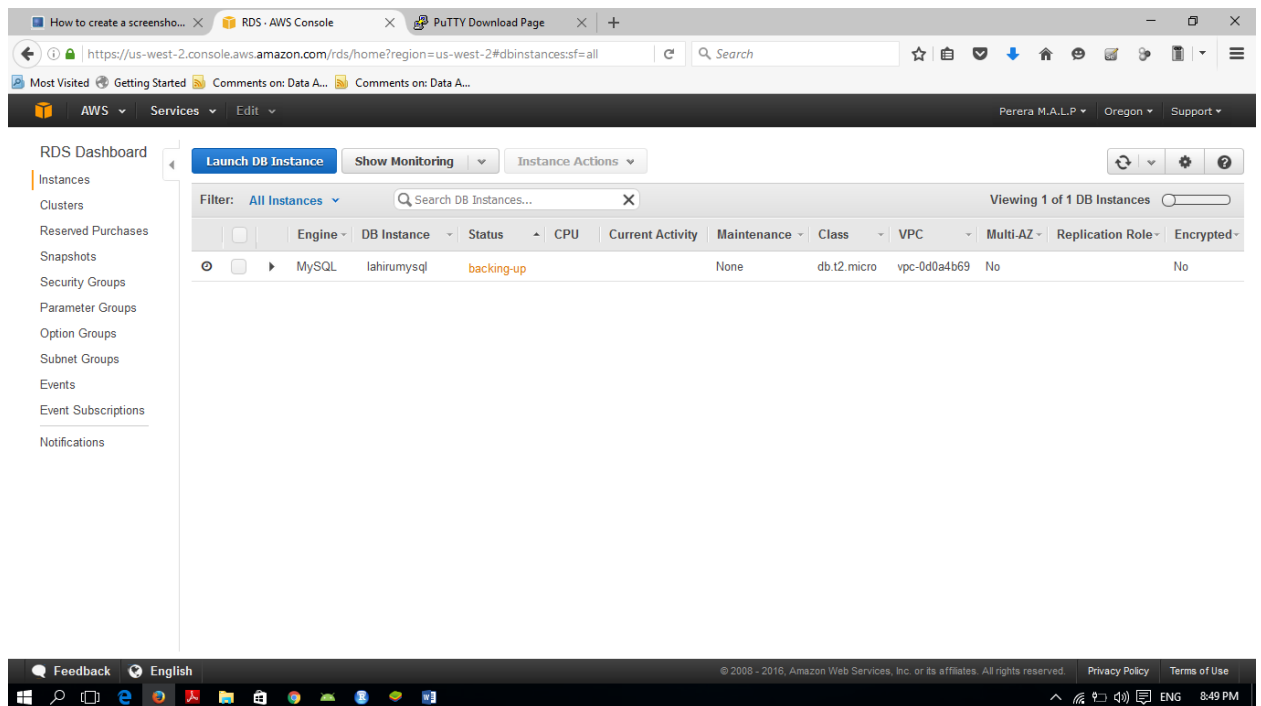
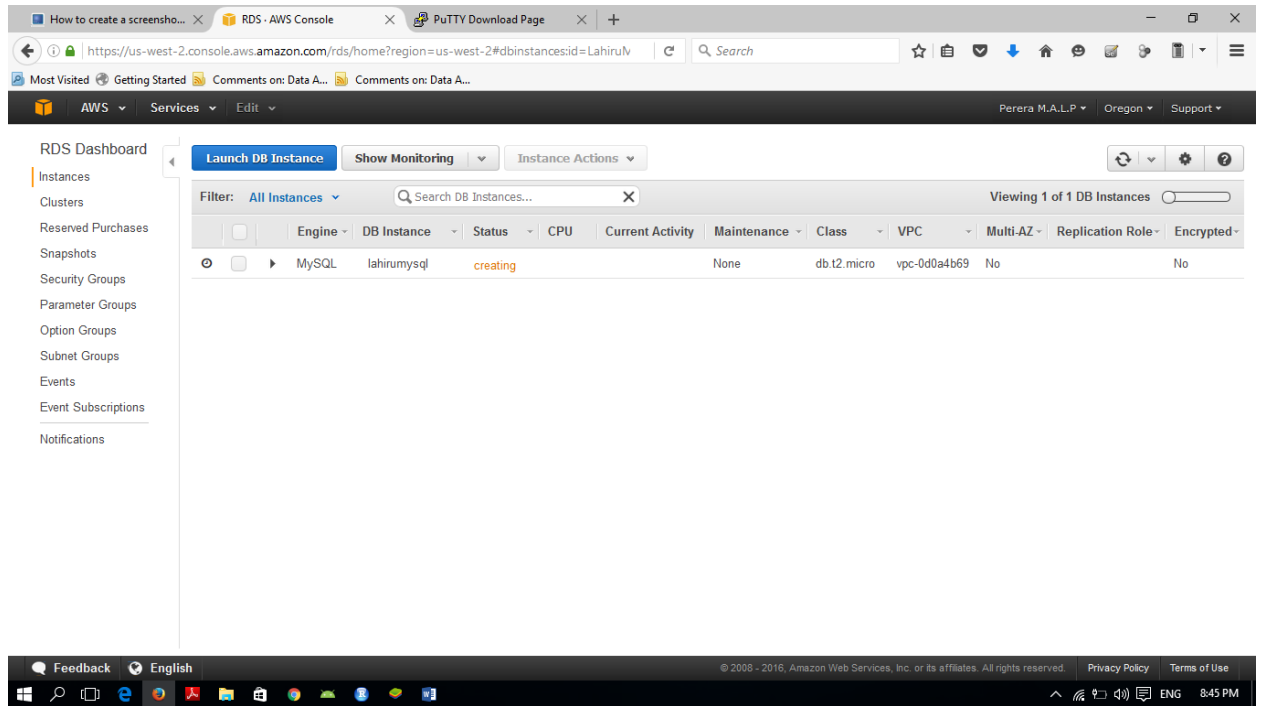
[View Your DB Instances](#)

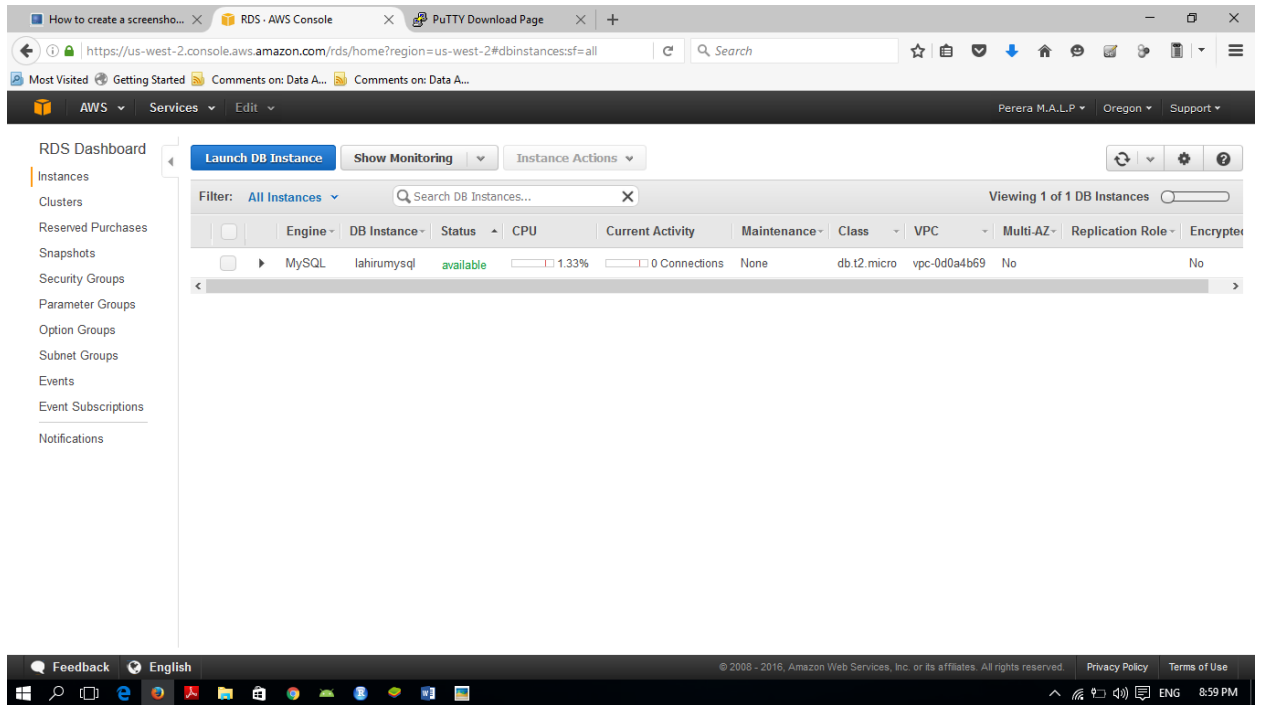
Feedback English

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

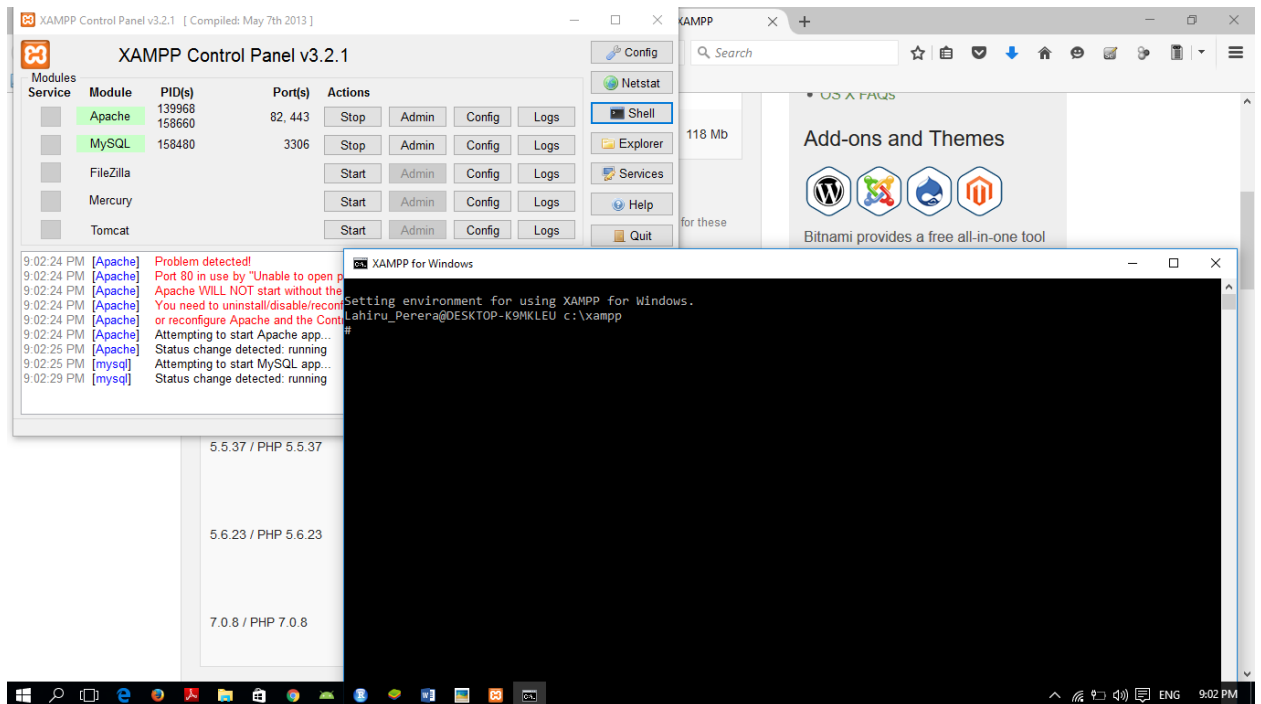
8:44 PM

- Wait until the status become 'available' from 'creating'. This will take several minutes.





- Open xampp enable MySQL then select 'shell' and type `mysql -h localhost -P 3306 -u Lahiru_Perera -p` and provide password previously you provided ,then press 'enter'. You can see the MySQL instance has created.(can use workbench also)



How to create a screenshot... RDS - AWS Console PuTTY Download Page Download XAMPP

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

Most Visited Getting Started Comments on: Data A... Comments on: Data A...

AWS Services Edit Perera M.A.L.P Oregon Support

RDS Dashboard

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

Legend: lahirumysql

CloudWatch Alarms: No alarms

Filter: All Instances

Engine: DB Instance

MySQL lahirumysql

Endpoint: lahirumysql.culhgc0vr4d.us-west-2.rds.amazonaws.com:3306

Alarms and Recent Events

TIME (UTC+5:30)	EVENT
Jul 30 8:51 PM	Finish backup
Jul 30 8:49 PM	Backup
Jul 30 8:48 PM	DB instance
Jul 30 8:47 PM	DB instance

Instance Actions Tag

```
mysql -h lahirumysql.culhgc0vr4d.us-west-2.rds.amazonaws.com:3306 -u Lahiru_Perera -p
```

Setting environment for using XAMPP for Windows.
Lahiru_Perera@DESKTOP-K9MKLEU c:\xampp
mysql -h lahirumysql.culhgc0vr4d.us-west-2.rds.amazonaws.com:3306 -u Lahiru_Perera -p
Enter password: *****

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

ENG 9:27 PM