



# SLIIT

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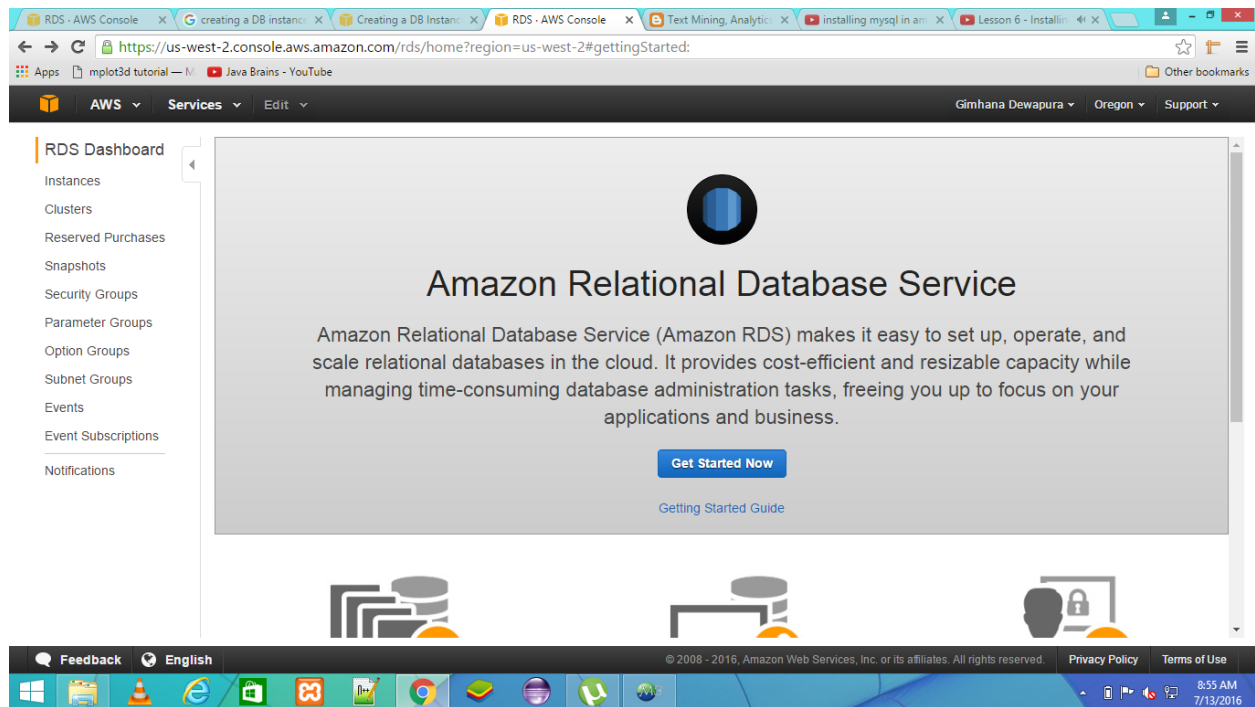
## Lab Assignment 3

### Installing MySQL in Cloud Amazon

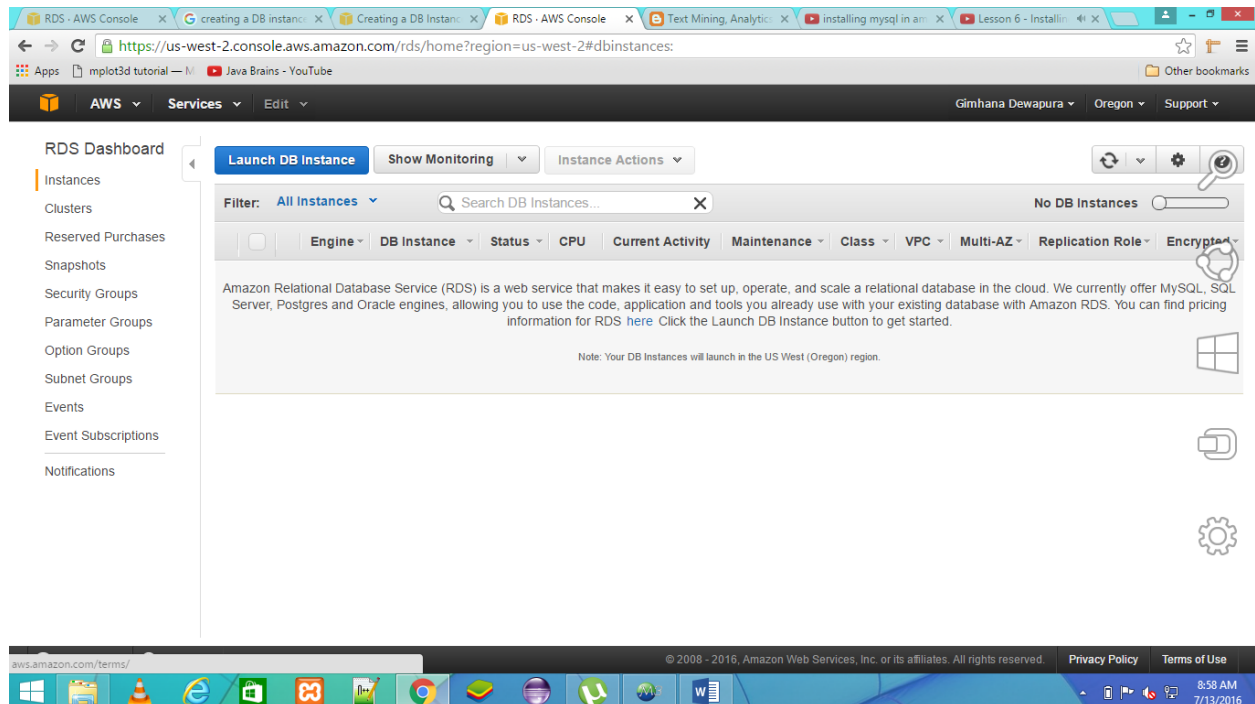
Gimhana Dewapura

IT13030568

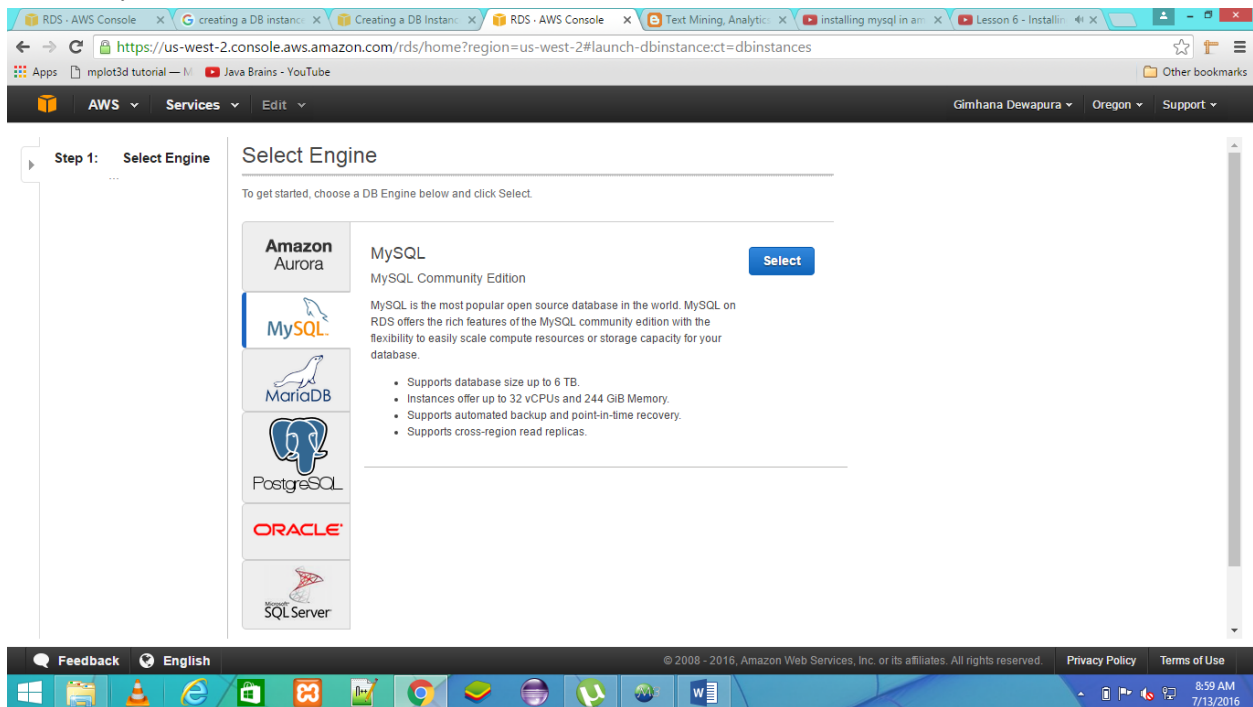
In AWS home select 'RDS' then click 'Instances'.



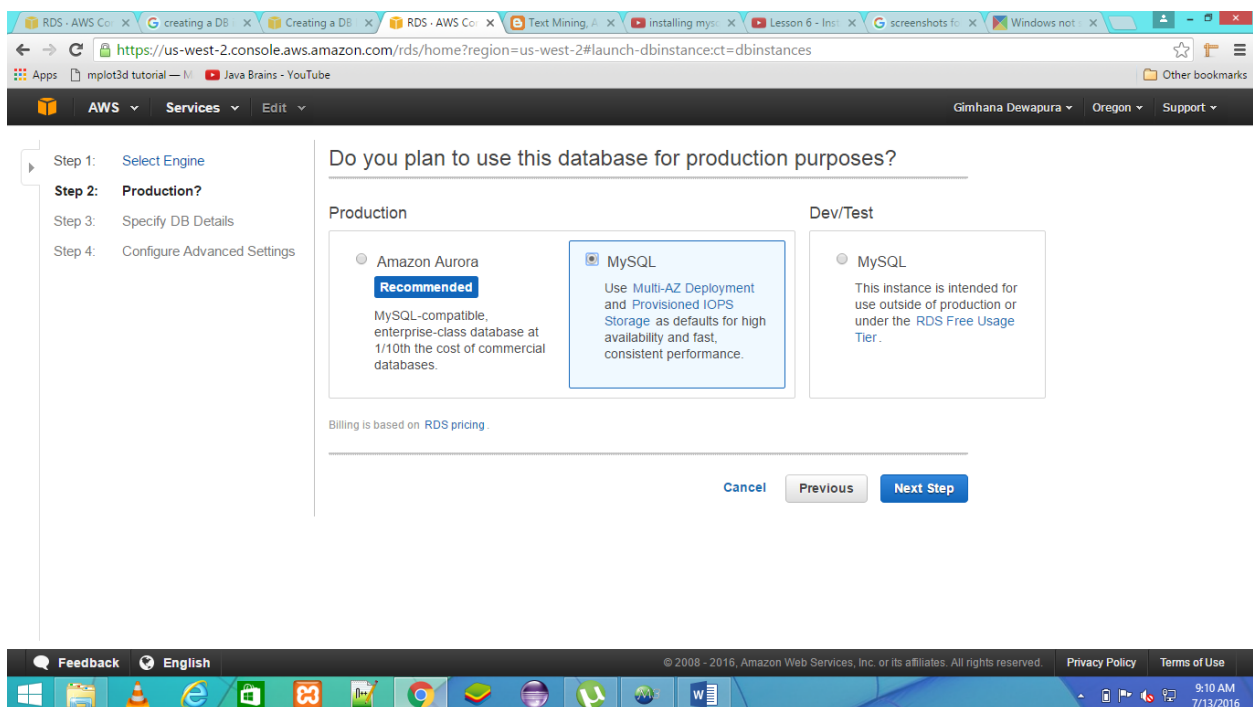
Click 'Launch DB Instance'.



Select 'MySQL' and click 'Select'.



Select 'MySQL' in Production.



Select db.t2.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.

Review the **Known Issues/Limitations** to learn about potential compatibility issues with specific database versions.

**DB Instance Class** db.t2.micro — 1 vCPU, 1 GiB RAM

**Multi-AZ Deployment** No

**Storage Type** General Purpose (SSD)

**Allocated Storage\*** 15 GB

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.

For production instances we recommend Multi-AZ for high availability.

Select Yes to have Amazon RDS maintain a synchronous standby replica in a different Availability Zone than the DB instance. Amazon RDS will automatically fail over to the standby in the case of a planned or unplanned outage of the primary. [Learn More.](#)

**Settings**

**DB Instance Identifier\*** GimhanaMySQL

**Master Username\*** gimhana888@gmail.com

**Master Password\*** .....

**Confirm Password\*** .....

Select 'No' in Enable Enhanced Monitoring.

**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

Specify Yes to enable automatic upgrades to new minor versions as they are released. The automatic upgrades occur during the maintenance window for the DB instance. [Learn More.](#)

\* Required

[Cancel](#) [Previous](#) [Launch DB Instance](#)

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

The screenshot shows the AWS RDS console interface. The left sidebar contains a navigation menu with options: Instances, Clusters, Reserved Purchases, Snapshots, Security Groups, Parameter Groups, Option Groups, Subnet Groups, Events, Event Subscriptions, and Notifications. The main content area is titled 'RDS Dashboard' and includes buttons for 'Launch DB Instance', 'Show Monitoring', and 'Instance Actions'. A table lists the database instances. The first instance is a MySQL instance named 'gimhanamysql' with a status of 'creating'. The table headers are: Engine, DB Instance, Status, CPU, Current Activity, Maintenance, Class, VPC, Multi-AZ, and Replication Role. The instance details are: MySQL, gimhanamysql, creating, None, db.t2.micro, vpc-3ed4905a, No. The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 9:35 AM on 7/13/2016.

Engine	DB Instance	Status	CPU	Current Activity	Maintenance	Class	VPC	Multi-AZ	Replication Role
MySQL	gimhanamysql	creating			None	db.t2.micro	vpc-3ed4905a	No	

This screenshot shows the same AWS RDS console interface as the previous one, but the status of the MySQL instance 'gimhanamysql' has changed to 'backing-up'. The table headers and other details remain the same. The system clock in the Windows taskbar now shows 9:33 AM on 7/13/2016.

Engine	DB Instance	Status	CPU	Current Activity	Maintenance	Class	VPC	Multi-AZ	Replication Role
MySQL	gimhanamysql	backing-up			None	db.t2.micro	vpc-3ed4905a	No	

RDS - AWS Co... X creating a DB X Creating a DB X RDS - AWS Co... X Text Mining... X installing mys... X Lesson 6 - Ins... X screenshots f... X Windows not... X

← → ↻ <https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#dbinstances> ☆ 🔖 ☰

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### RDS Dashboard

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	Replication
MySQL	gimhanamysql	backing-up	0 Connections	None	db.t2.micro	vpc-3ed4905a	No			

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RDS - AWS Co... X creating a DB X Creating a DB X RDS - AWS Co... X Text Mining... X installing mys... X Lesson 6 - Ins... X screenshots f... X Windows not... X

← → ↻ <https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#dbinstances> ☆ 🔖 ☰

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### RDS Dashboard

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	Re
MySQL	gimhanamysql	backing-up	10.00%	0 Connections	None	db.t2.micro	vpc-3ed4905a	No		

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Now you can see the status has become 'available'.

The screenshot shows the AWS RDS console interface. The left sidebar contains navigation links for Instances, Clusters, Reserved Purchases, Snapshots, Security Groups, Parameter Groups, Option Groups, Subnet Groups, Events, Event Subscriptions, and Notifications. The main content area displays a table of DB instances. The table has columns for Filter, Search, Viewing 1 of 1 DB Instances, and a table with columns: Engine, DB Instance, Status, CPU, Current Activity, Maintenance, Class, VPC, Multi-AZ, and Replica. The table shows one instance: MySQL, gimhanamysql, available, 2.88%, 0 Connections, None, db.t2.micro, vpc-3ed4905a, No. The bottom of the console shows a Windows taskbar with various application icons and a system clock indicating 9:58 AM on 7/13/2016.

Open xampp enable MySQL then select 'shell' and type `mysql -h end instance -P 3306 -u gimhana888 -p` and provide password previously you provided ,then press 'enter'. You can see the MySQL instance has created.

The screenshot shows the AWS RDS console with a terminal window open. The terminal window displays the following text:   
Setting environment for using XAMPP for Windows.   
User@DELL-C5XAMPP:~\$ mysql -h gimhanamysql.c4rp3dymbk.us-west-2.rds.amazonaws.com -P 3306 -u gimhana888 -p   
Enter password:   
Welcome to the MySQL monitor. Commands end with ; or \g.   
Your MySQL connection id is 28   
Server version: 5.6.19-log MySQL Community Server (GPL)   
Copyright (c) 2000, 2014, Oracle and/or its affiliates. All rights reserved.   
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.   
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.   
mysql>   
The terminal window is titled 'mysql -h gimhanamysql.c4rp3dymbk.us-west-2.rds.amazonaws.com -P 3306 -u gimhana888 -p'. The console shows the instance details for 'gimhanamysql', including a list of events:   
Jul 13 9:54 AM Backing up DB instance   
Jul 13 9:52 AM DB instance created   
Jul 13 9:52 AM DB instance restarted   
The console also shows a table of metrics:   
THRESHOLD LAST HOUR CURRENT VALUE LAST HOUR   
Read IOPS 0/sec   
Write IOPS   
Swap Usage   
The bottom of the console shows a Windows taskbar with various application icons and a system clock indicating 10:22 AM on Wednesday, July 13, 2016.