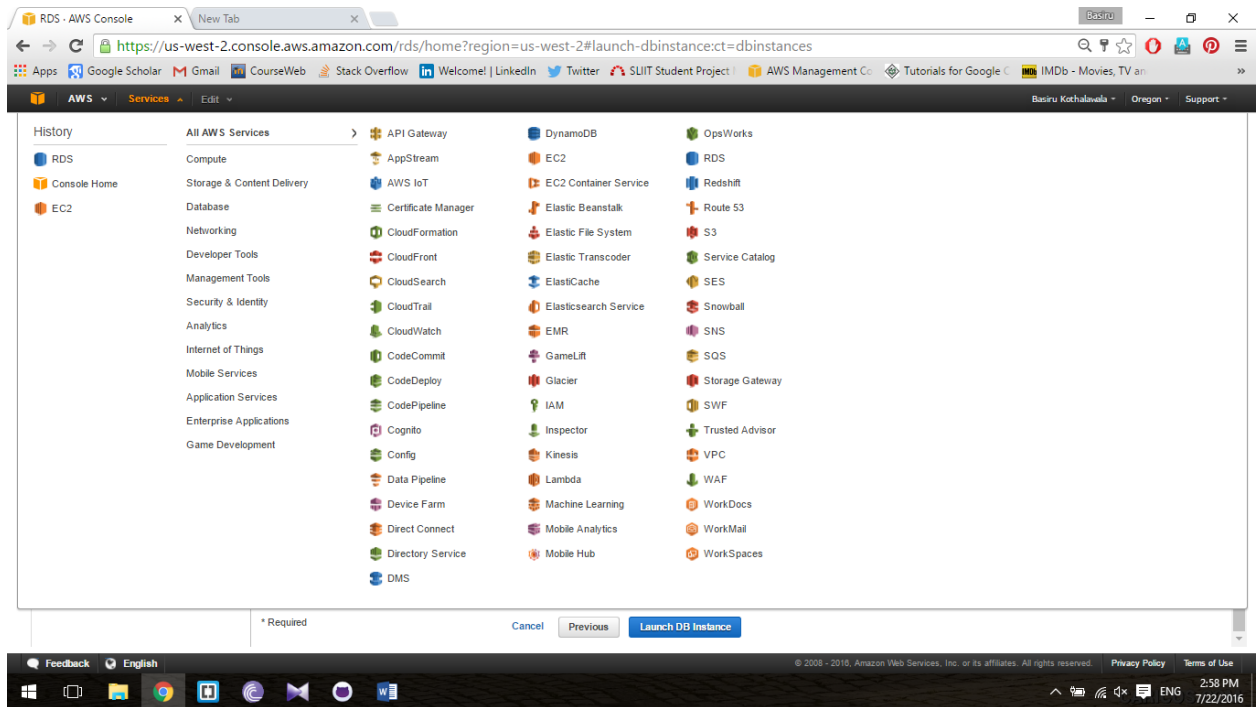
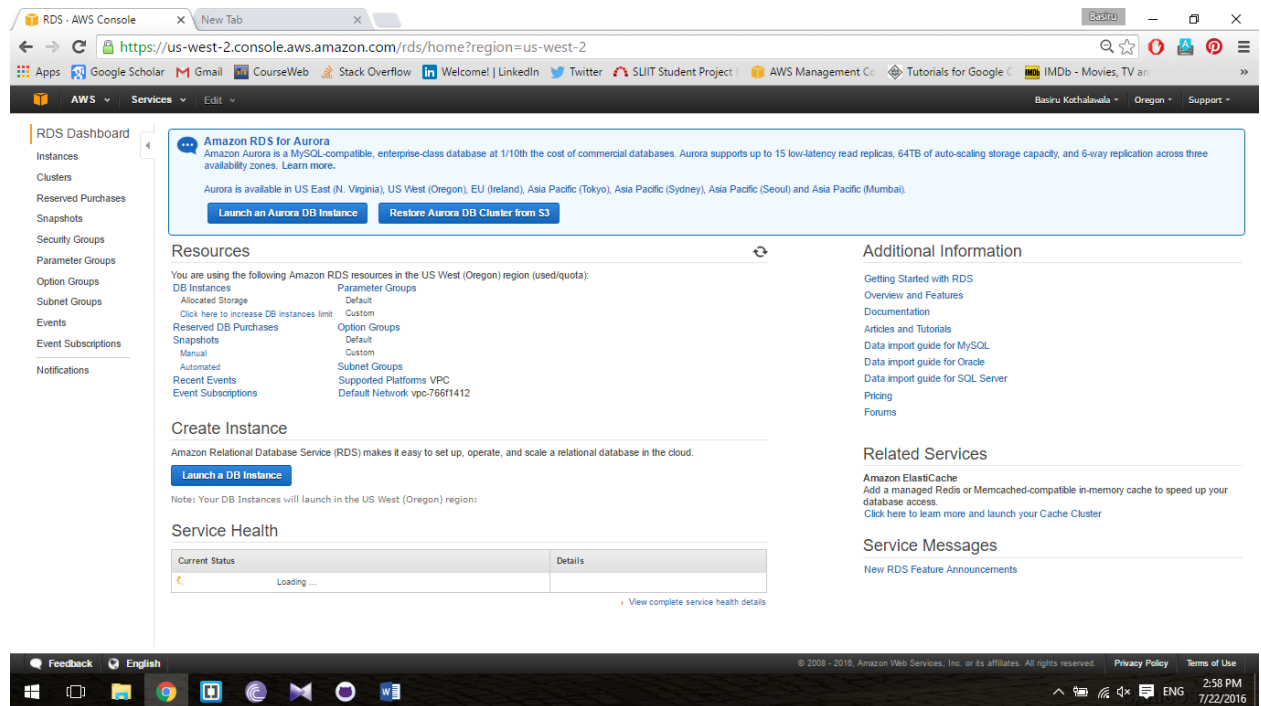


# Creating a MySQL DB Instance and Connecting to a Database on a MySQL DB Instance

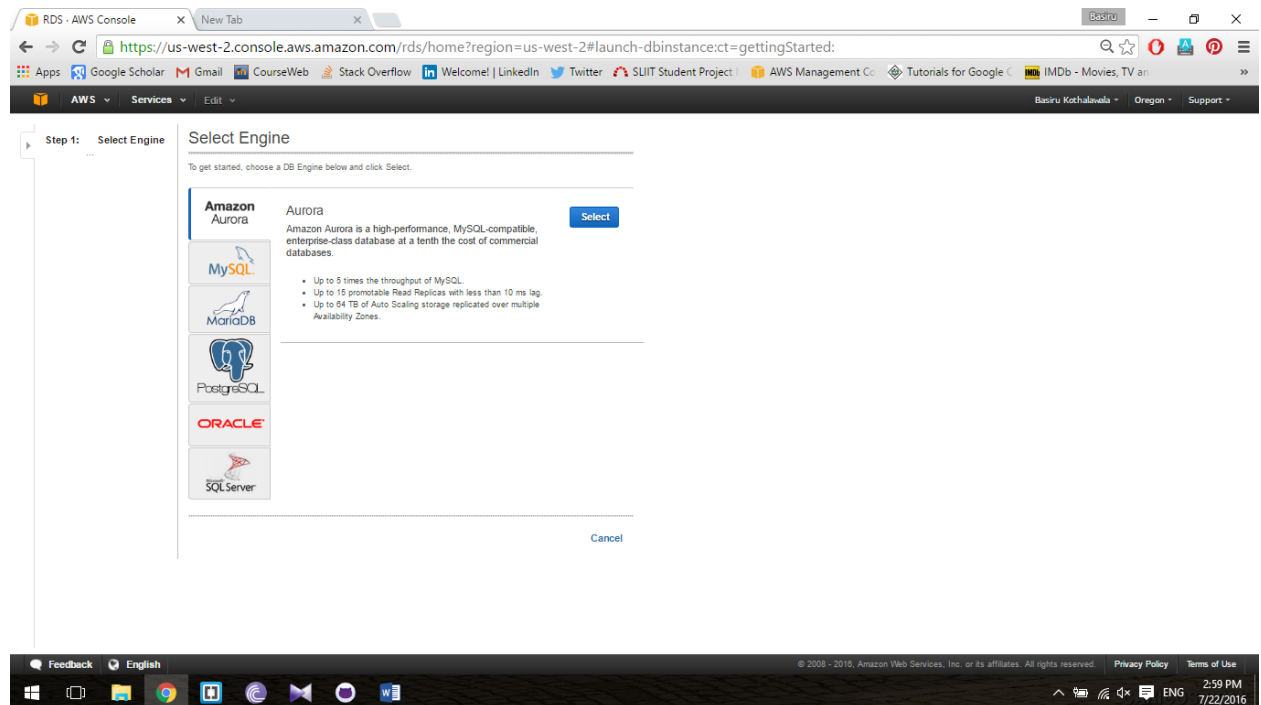
## 1. Sign in to the AWS Management Console and open the Amazon RDS



- 
2. In the top right corner of the Amazon RDS console, choose the region in which you want to create the DB instance. In the navigation pane, choose Instances then choose Launch DB Instance.



- 
- 
3. The Launch DB Instance Wizard opens on the Select Engine page. Select the DB Engine and your plan.



#### 4. Specify DB Details page, specify your DB instance information.

**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: **db.t2.micro — 1 vCPU, 1 GB RAM**

Multi-AZ Deployment: **Select One -**

Storage Type: **General Purpose (SSD)**

Allocated Storage: **5** GB

**Details: db.t2.micro**

Type	Micro
Instance - Current	Generation
vCPU	1 vCPU
Memory	1 GB
EB5 Optimized	No
Network Performance	Low
Free Tier Eligible	Yes

Select the DB instance class that allocates the computational, network, and memory capacity required by planned workload of this DB instance. [Learn More.](#)

**Settings**

DB Instance Identifier: **lab3**

Master Username: **lab3**

Master Password: **\*\*\*\*\***

Confirm Password: **\*\*\*\*\***

Retype the value you specified for Master Password.

\* Required

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

5. Configure Advanced Settings page, provide additional information that RDS needs to launch the MySQL DB instance

The screenshot shows the 'Configure Advanced Settings' page in the AWS RDS console. The page is divided into several sections for configuring the database instance.

**Network Settings:**

- VPC: Default VPC (vpc-766f1412)
- Subnet Group: default
- Publicly Accessible: Yes
- Availability Zone: No Preference
- VPC Security Group(s): Create new Security Group (selected), default (VPC), rds-launch-wizard (VPC), rds-launch-wizard-1 (VPC)

**Database Options:**

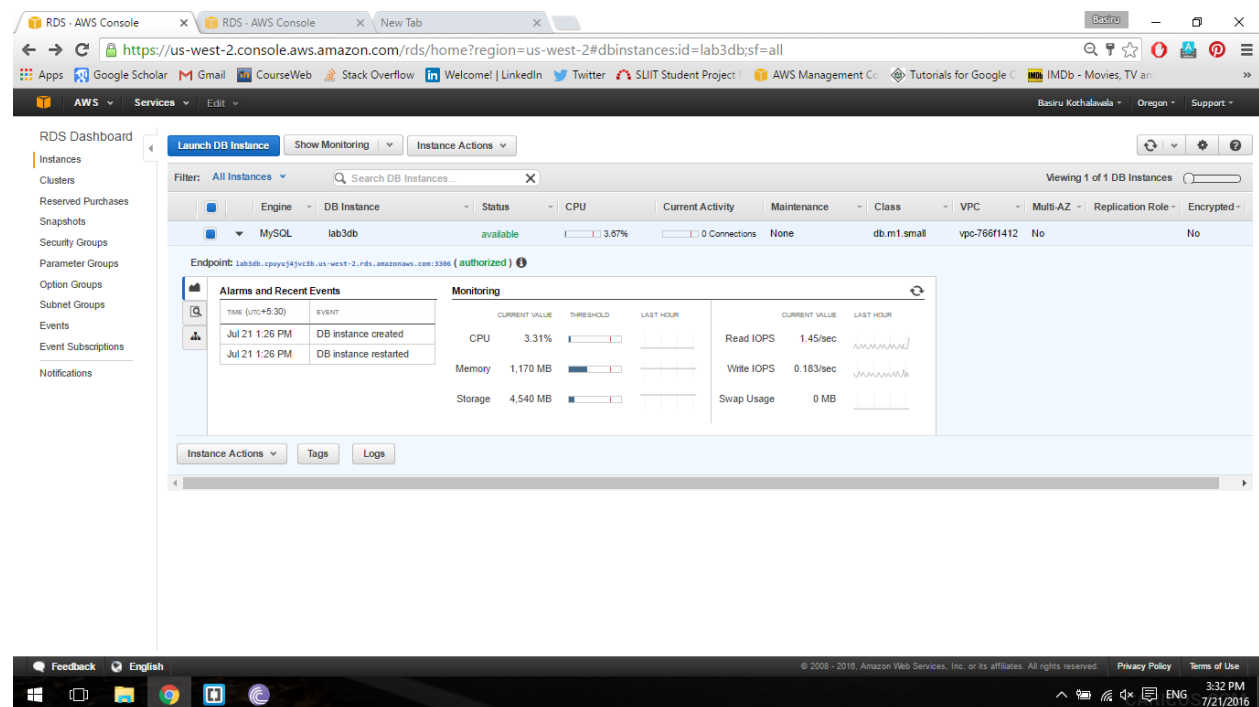
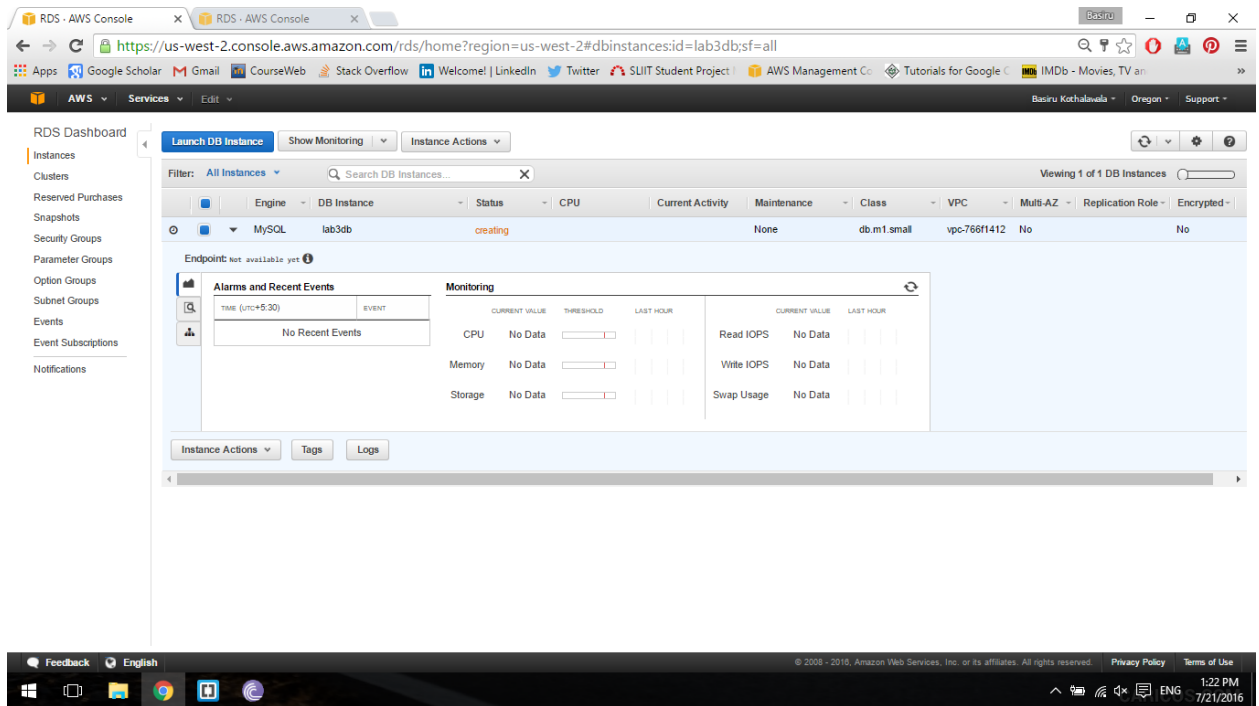
- Database Name: (empty field)
- Note: If no database name is specified then no initial MySQL database will be created on the DB Instance.
- Database Port: 3306
- DB Parameter Group: default:mysql5.6
- Option Group: default:mysql5-6
- Copy Tags To Snapshots: ☐
- Enable Encryption: No

**Backup:**

- Note: 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: 0 days
- Warning: A backup retention period of zero days will disable automated backups for this DB Instance.
- Help text: Select the number of days, between 1 and 35, that Amazon RDS should retain automatic backups of this DB instance. The backup retention period determines the period for which you can perform a point-in-time recovery. Select 0 to disable backups. [Learn More.](#)

The page is part of a wizard with steps: Step 1: Specify VPC Details, Step 2: Choose Instance Class, Step 3: Choose Storage, and Step 4: Configure Advanced Settings (current step). The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 2:50 PM on 7/22/2016.

6. 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.



## 7. Connect to a database on a DB instance using SQLyog

The screenshot illustrates the steps to connect to a database using SQLyog. The top portion shows the 'Connect to MySQL Host' dialog box, which is used to configure the connection details. The bottom portion shows the SQLyog Community interface after a successful connection, displaying a list of databases and a query editor.

**Connect to MySQL Host Dialog Box:**

- MySQL Host Address:** lab3.cpuyuj4vc3b.us-west-2.rds.amazonaws.com
- Username:** lab3
- Password:** [Redacted]
- Port:** 3306
- Database(s):** [Empty]
- Use Compressed Protocol:** ☒
- Session Idle Timeout:** Default (seconds)
- Keep-Alive Interval:** [Empty] (seconds)

**SQLyog Community Interface:**

- Filter Databases:** lab3@lab3.cpuyuj4vc3b.us-west-2.rds.amazonaws.com
- Database List:** information\_schema, innodb, mysql, performance\_schema, sys
- Query Editor:** Automate database comparisons : Reason #20 to upgrade
- Messages:** 1 Messages, 2 Table Data, 3 Info

