Enterprise Standards and Best Practices for IT Infrastructure

Lab Report

Lab 03 - Creating an Amazon RDS Database

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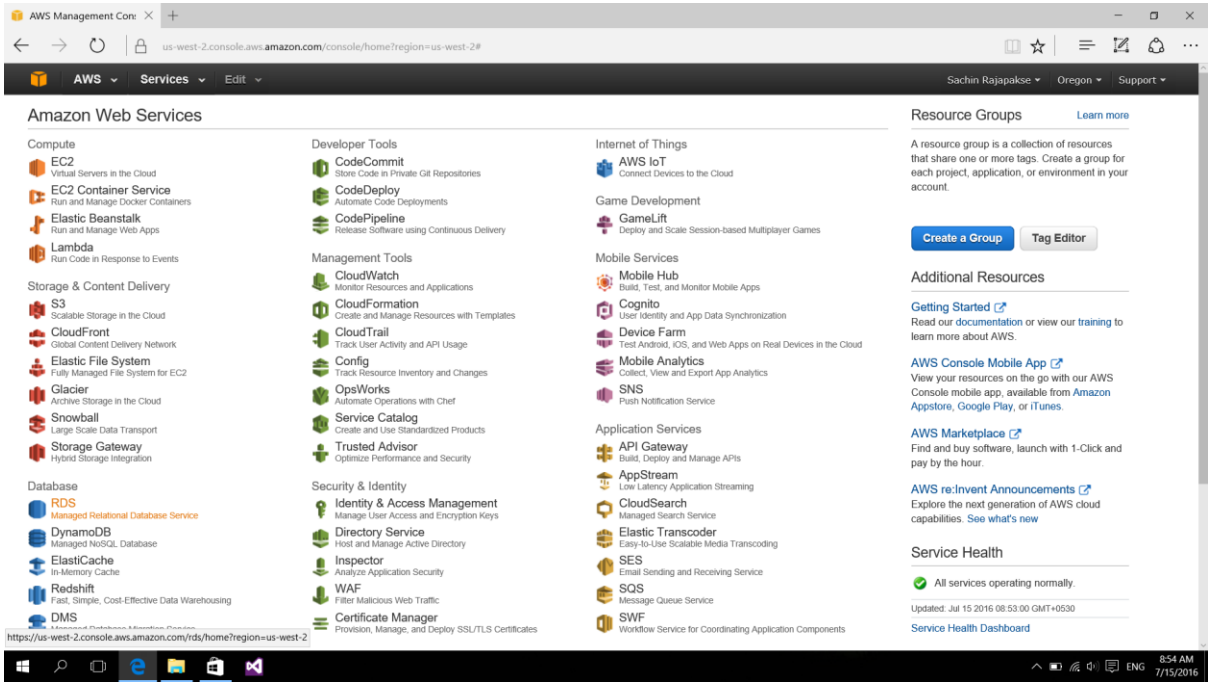
Sri Lanka Institute of Information Technology

B.Sc. Special (Honors) Degree in Information Technology

Specialized in Information Technology

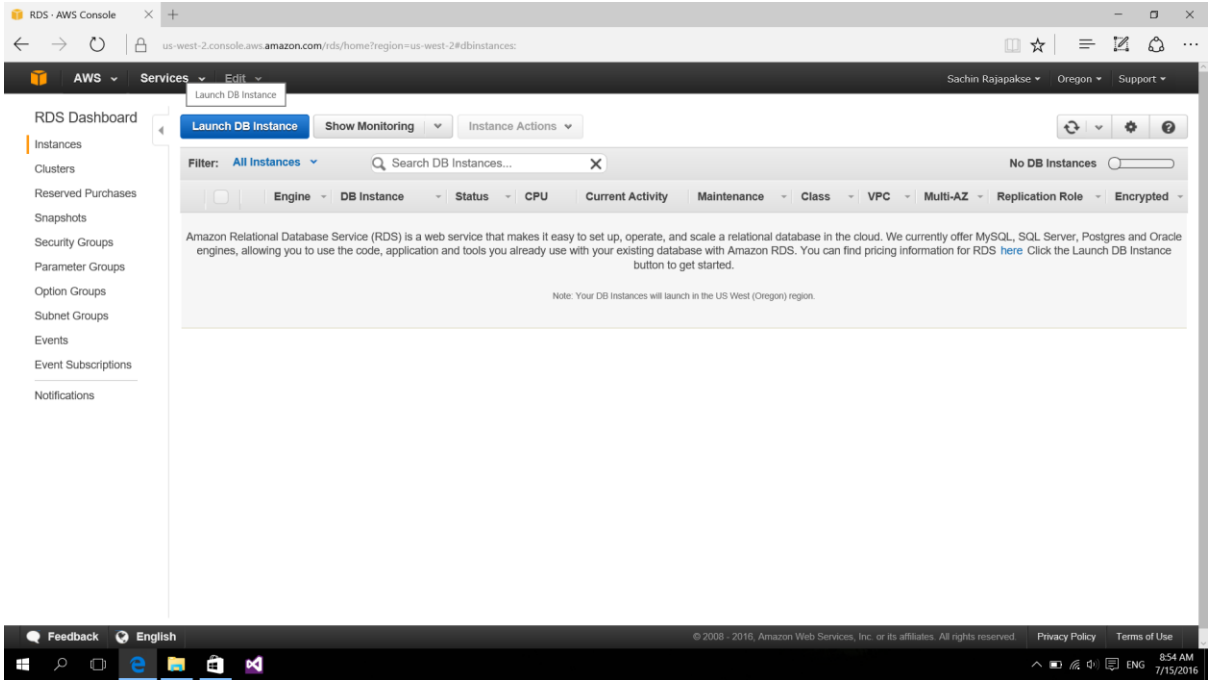
Creating an Amazon RDS Database

Step 01: Select RDS from Amazon Web Services. (Services -> RDS)

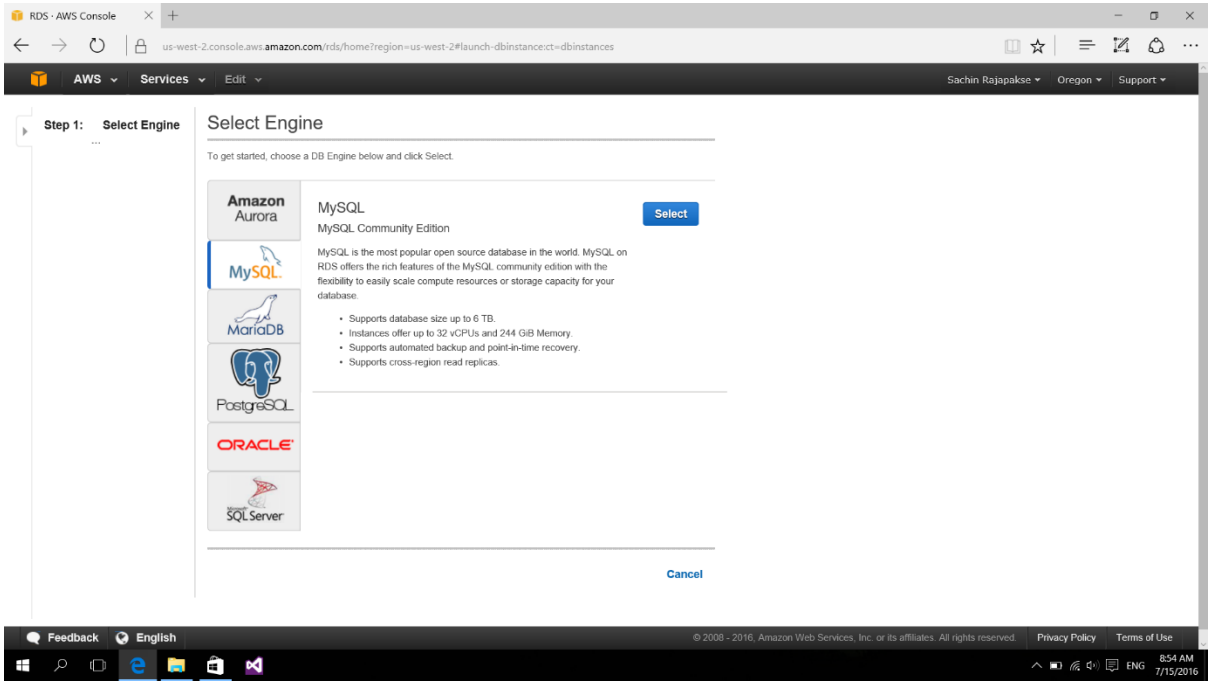


Step 02: Choose Instances from RDS Dashboard.

Select Launch DB Instance.

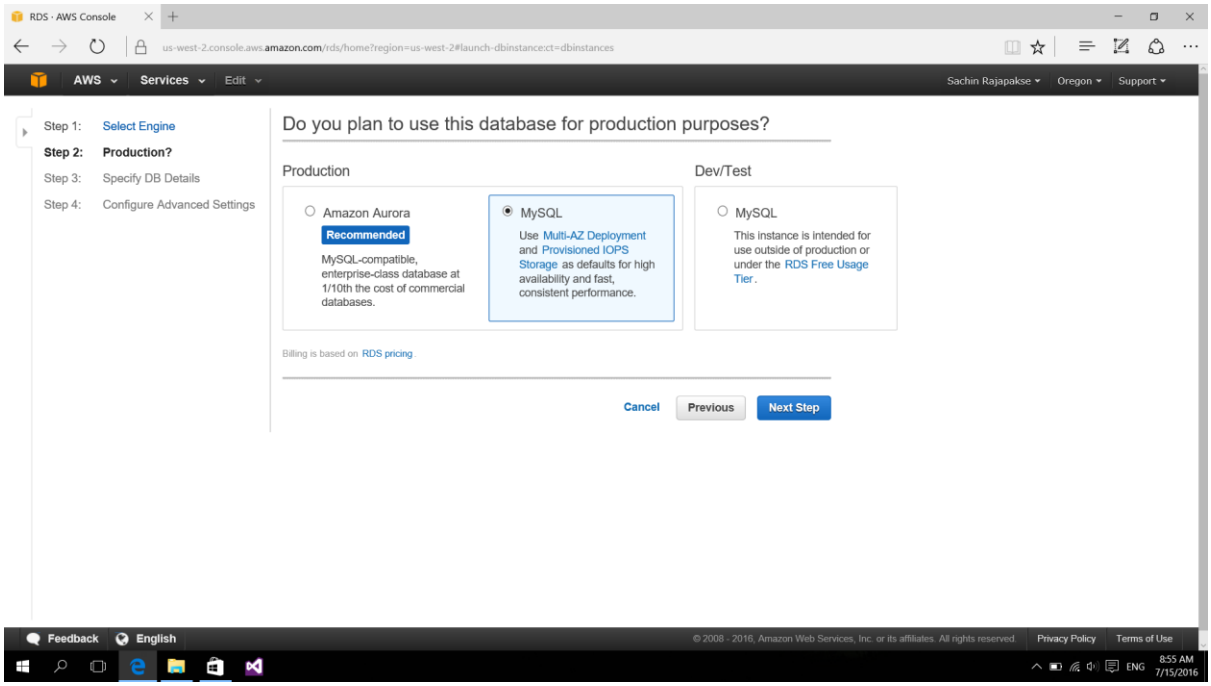


Step 03: Choose MySQL from ‘Select Engine’ tab.



Step 04: Select MySQL under ‘Production’ category.

Then proceed to next step.



Step 05: Specify the DB details. (Instance Specifications and Settings)

License Model: general-public-license

DB Engine Version: 5.6.19a

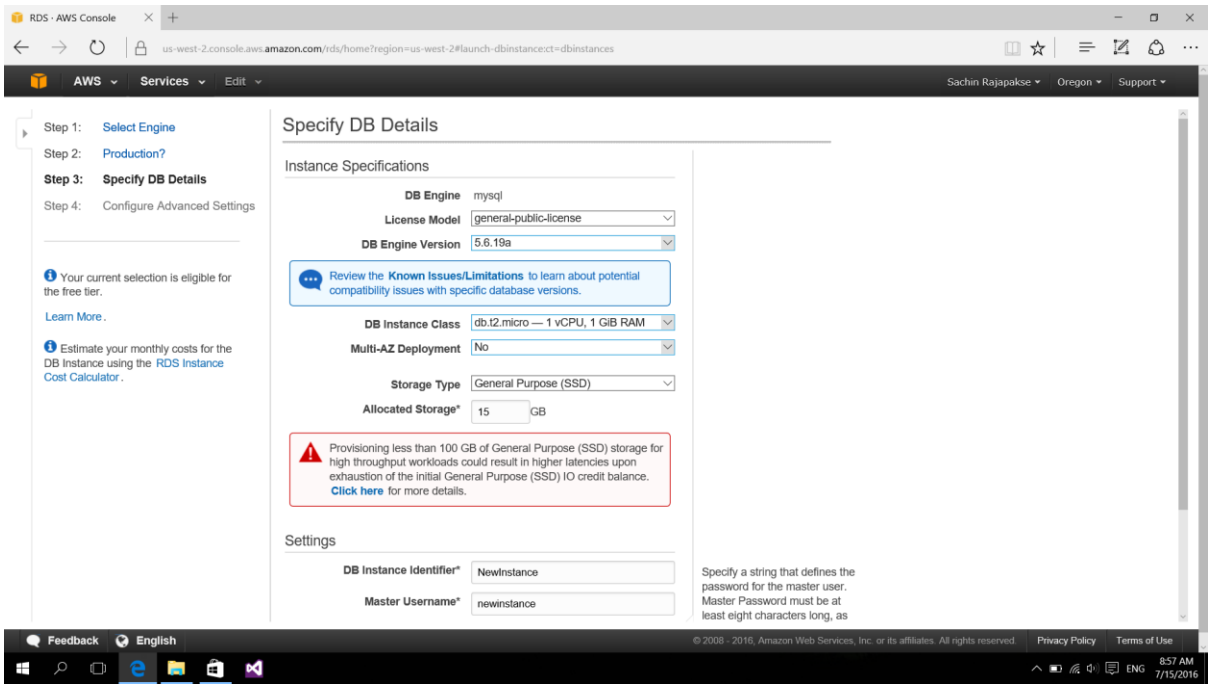
DB Instance Class: db.t2.micro – 1 vCPU, 1 GiB RAM

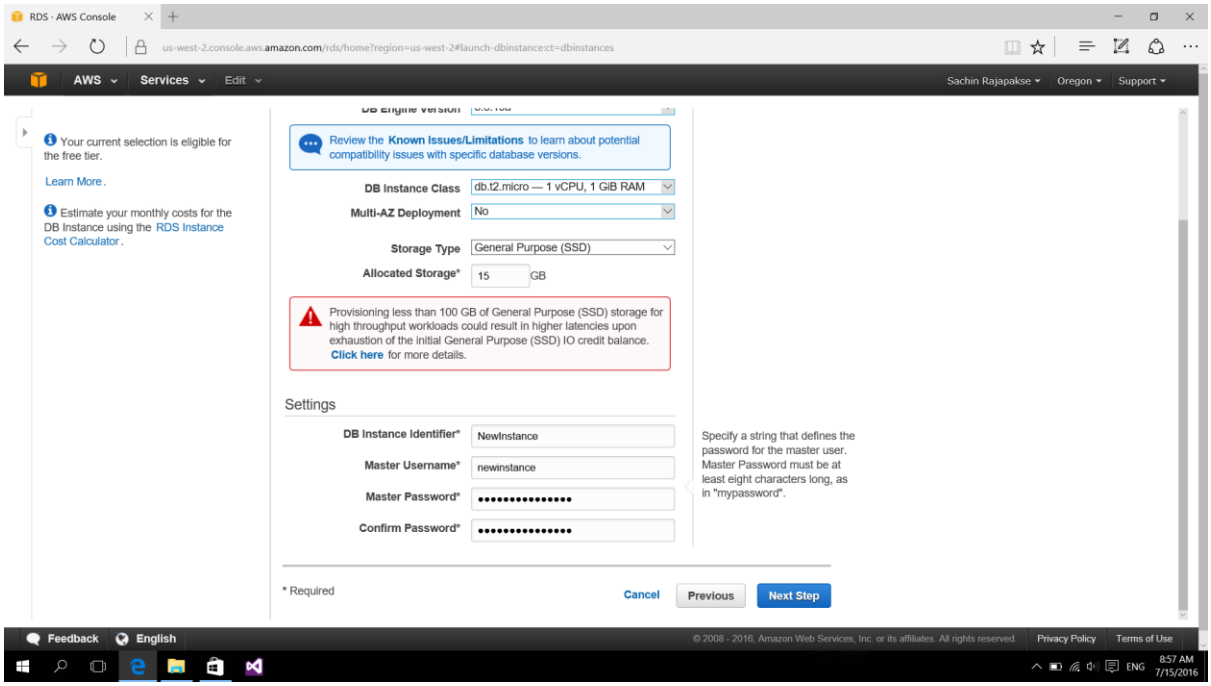
Multi-AZ Deployment: No

Storage Type: General Purpose (SSD)

Allocated Storage: 15 GB

Provide a DB instance identifier, a master username and a master password.

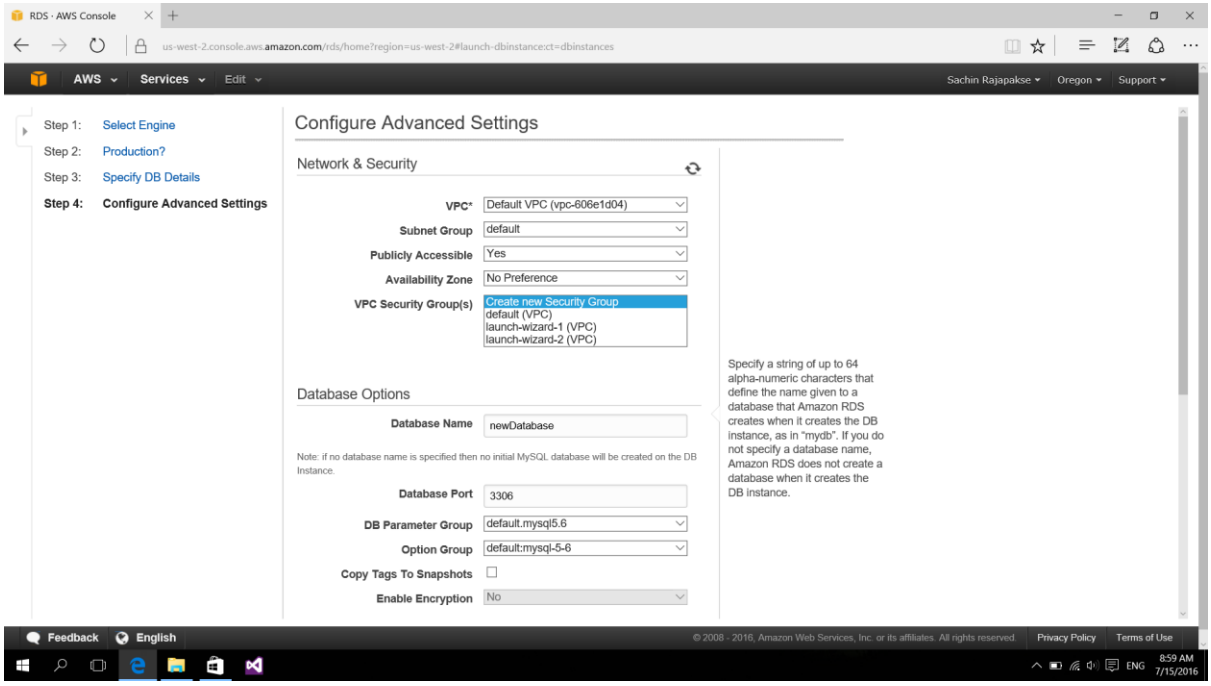


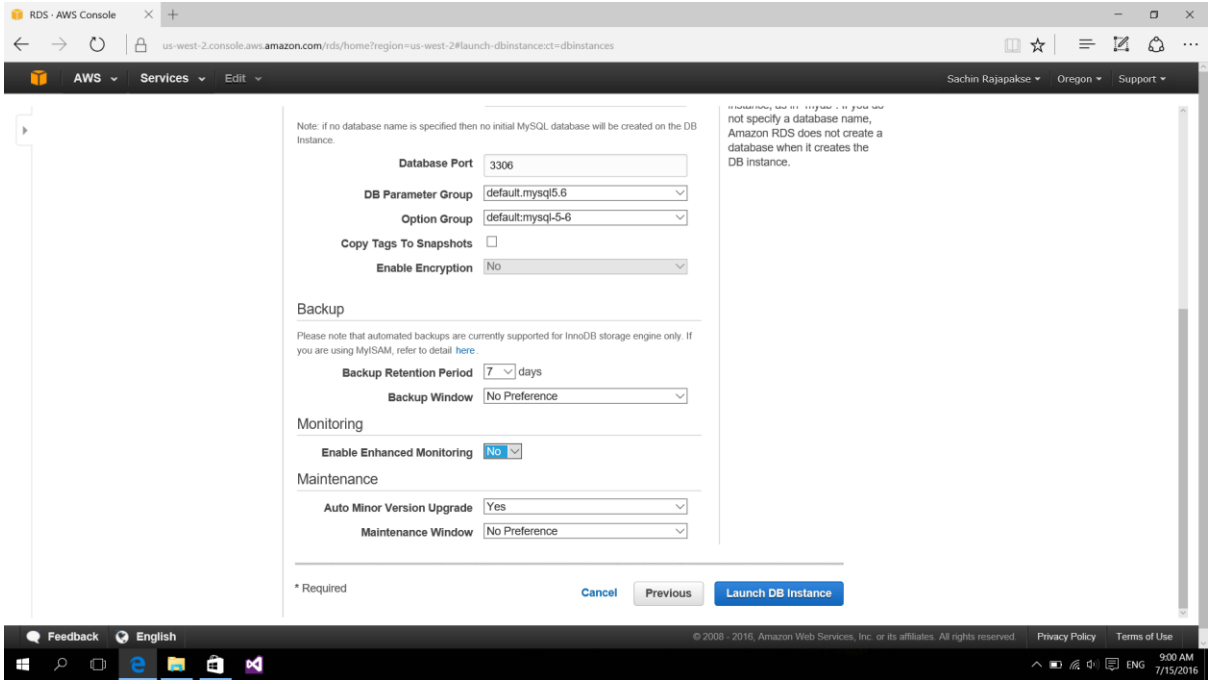


Step 06: Give a database name in ‘Configure Advanced Settings’ tab. (Database Options)

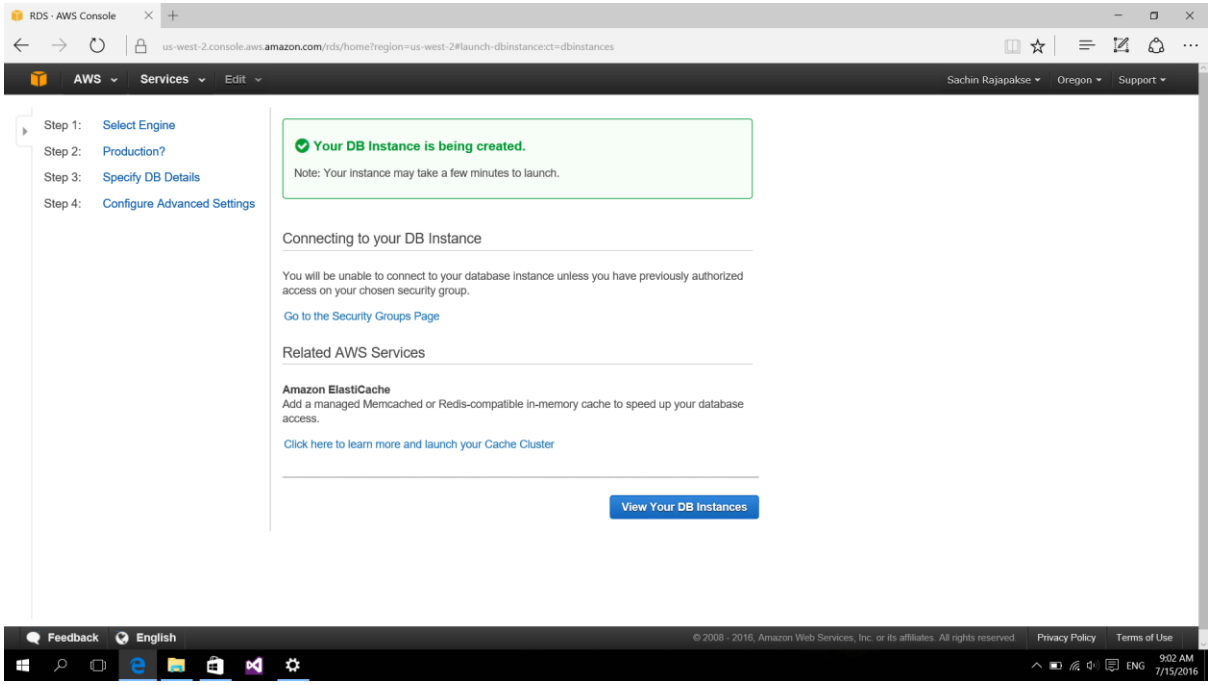
Choose ‘No’ in Enable Enhanced Monitoring. (Monitoring)

Click ‘Launch DB Instance’.



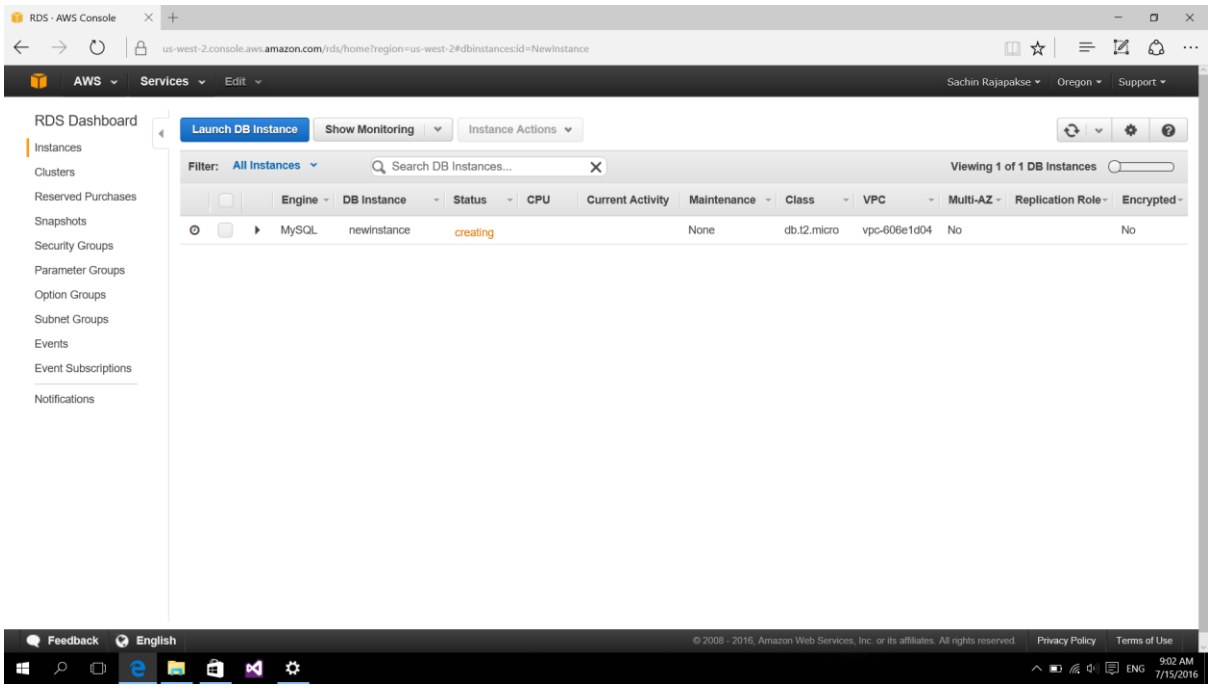


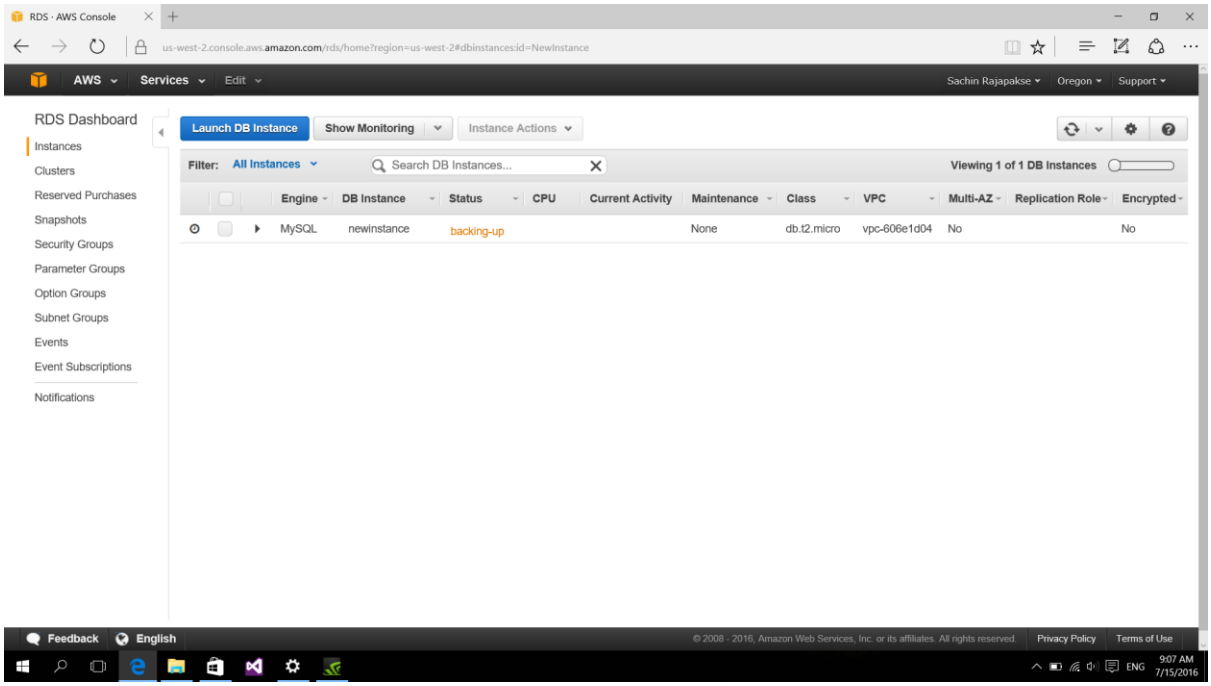
Step 07: Click ‘View Your DB Instances’ from next window.



Step 08: Wait until the instance status change to ‘available’ from ‘creating’.

(creating -> backing-up -> available)




RDS · AWS Console
us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#dbinstances:id=NewInstance
AWS
Services
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Sachin Rajapakse
Oregon
Support
RDS Dashboard
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Reserved Purchases
Snapshots
Security Groups
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Viewing 1 of 1 DB Instances
Engine
DB Instance
Status
CPU
Current Activity
Maintenance
Class
VPC
Multi-AZ
Replication Role
Encrypted
MySQL
newinstance
backing-up
None
db.t2.micro
vpc-606e1d04
No
No
Feedback
English
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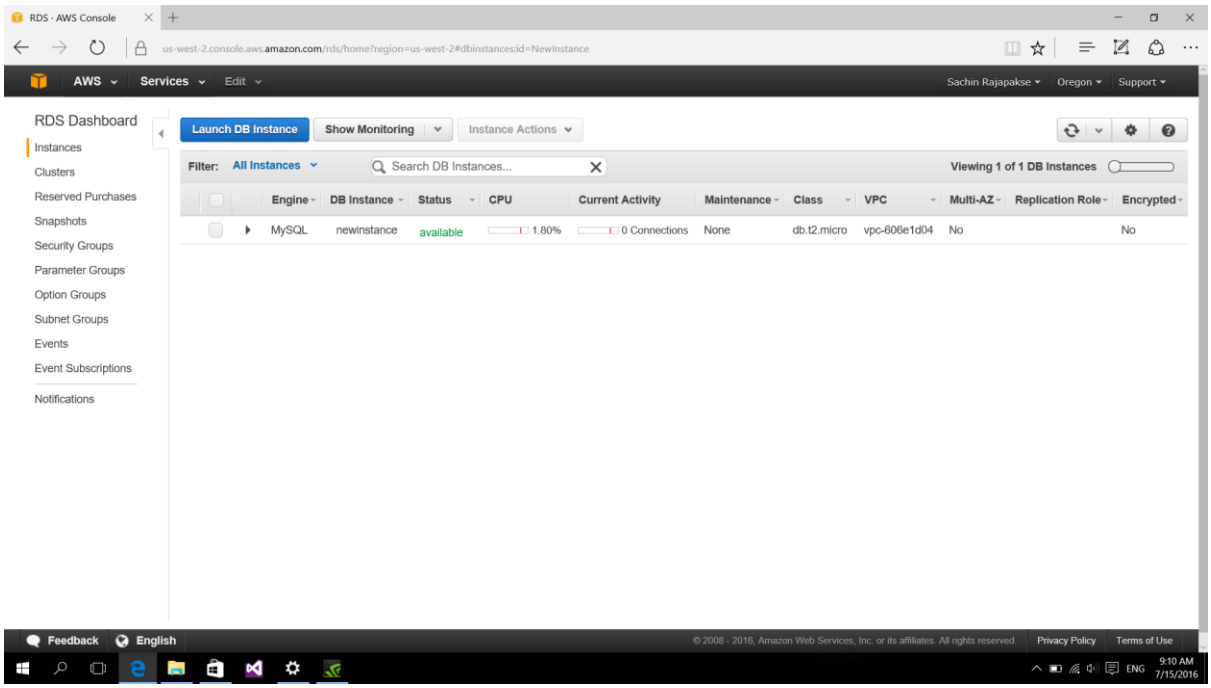
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CPU
Current Activity
Maintenance
Class
VPC
Multi-AZ
Replication Role
Encrypted
MySQL
newinstance
available
1.80%
0 Connections
None
db.t2.micro
vpc-606e1d04
No
No
Feedback
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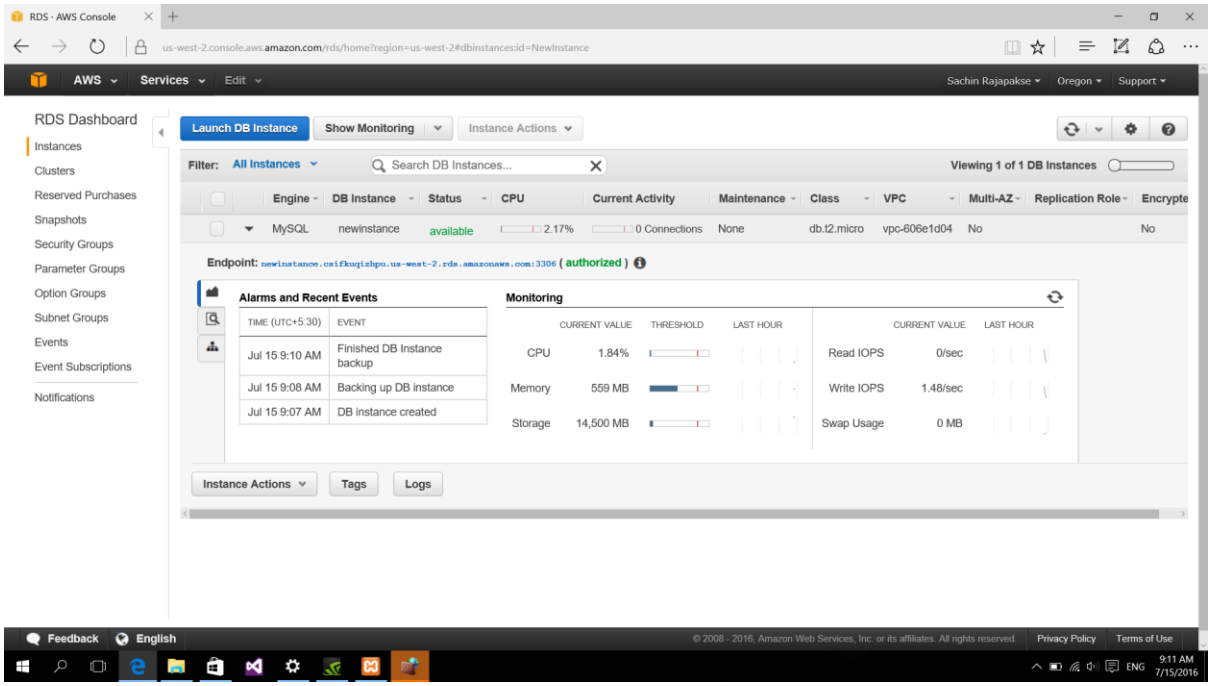
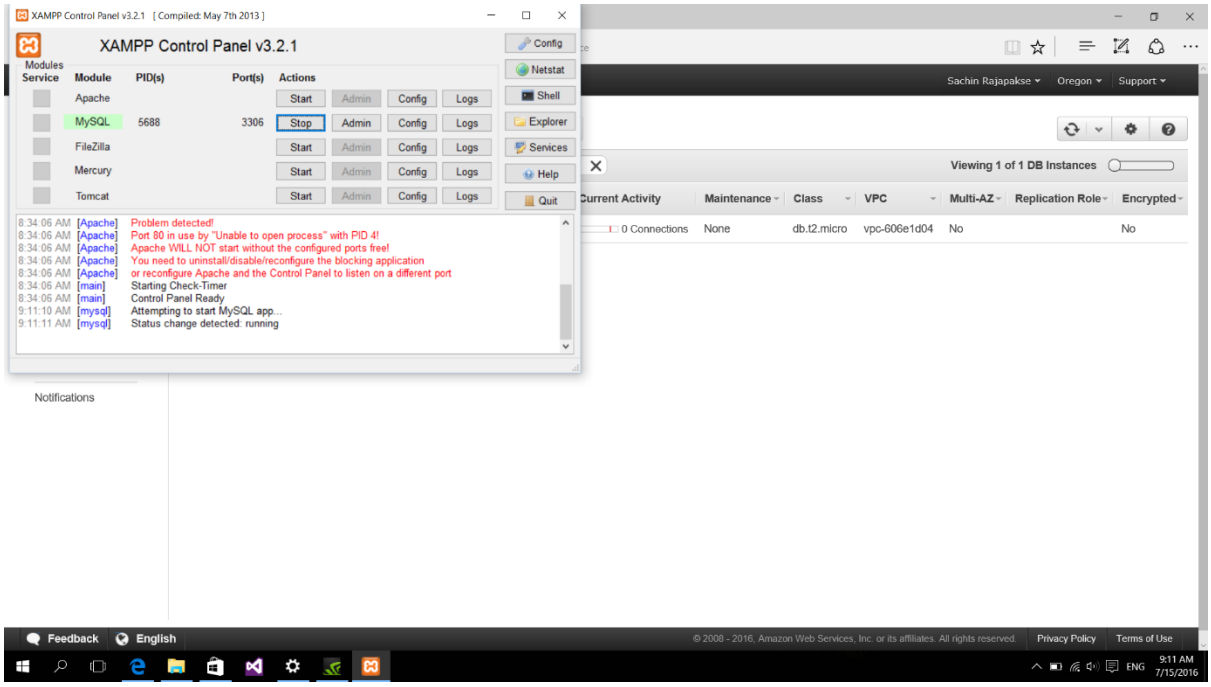
Step 09: Expand the instance to view Endpoint.

Copy the Endpoint without the port number.



Step 10: Open XAMPP Control Panel.

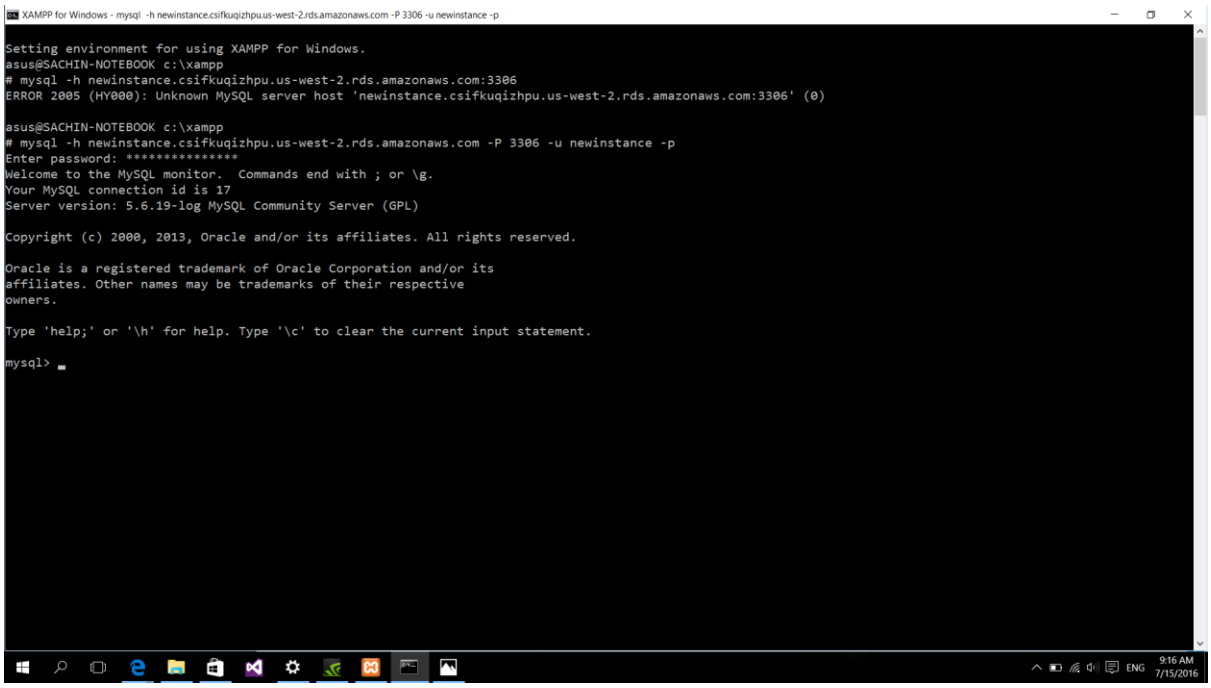
Start MySQL.



Step 11: Go to the Shell in XAMPP Control Panel.

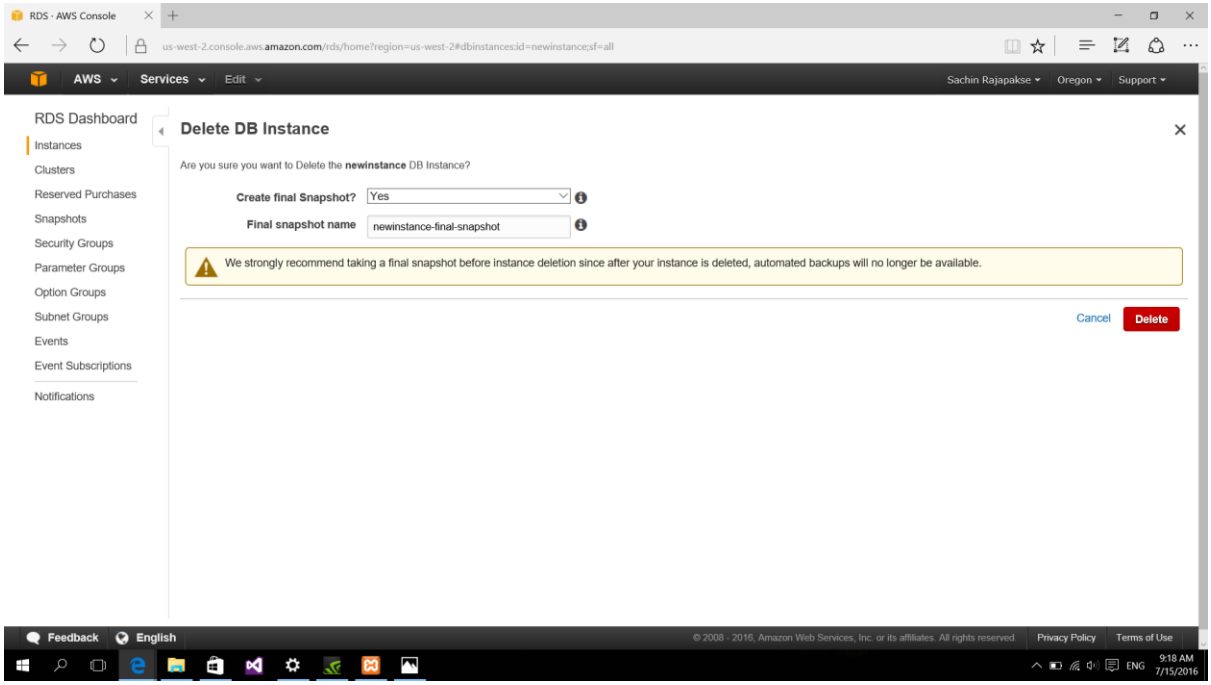
Type the command. (mysql -h <endpoint> -P <portnumber> -u <instancename> -p)

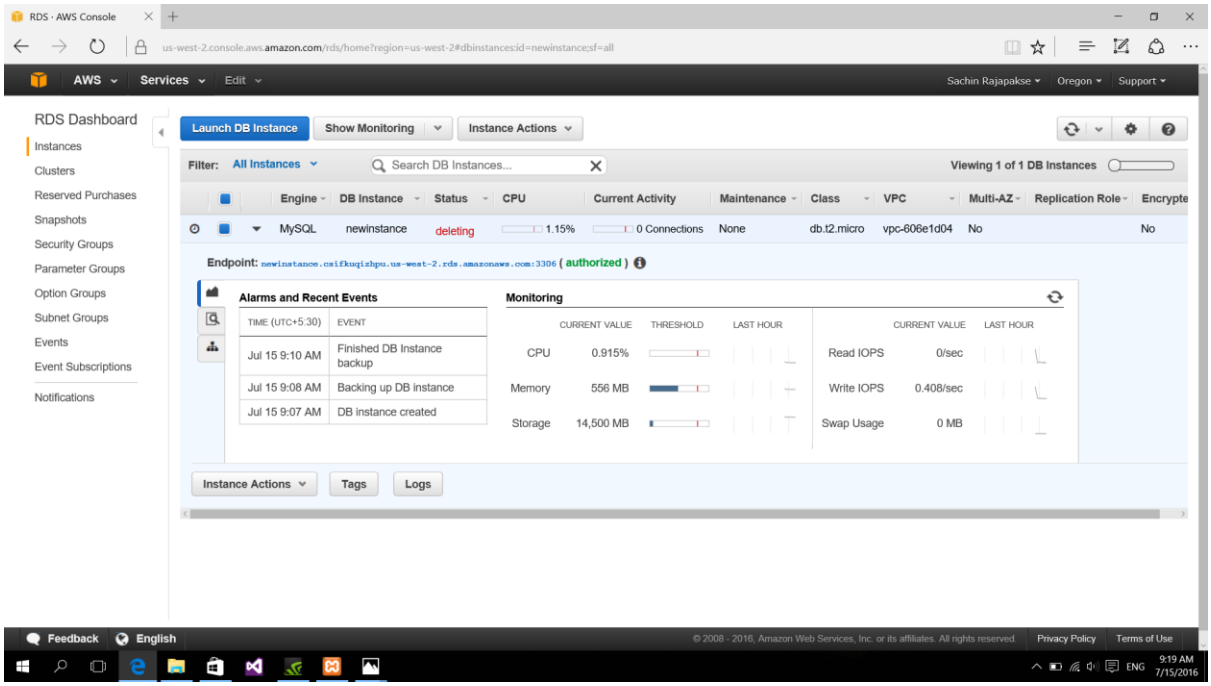
Enter master password.



Step 12: Delete the created DB instance. (Instance Actions -> Delete)

Confirm delete by clicking ‘Delete’.

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Engine
DB Instance
Status
CPU
Current Activity
Maintenance
Class
VPC
Multi-AZ
Replication Role
Encrypte
MySQL
newinstance
deleting
1.15%
0 Connections
None
db.t2.micro
vpc-606e1d04
No
No
Endpoint: newinstance.csifkuqizhpu.us-west-2.rds.amazonaws.com:3306 (authorized)
Alarms and Recent Events
TIME (UTC+5:30)
EVENT
Jul 15 9:10 AM
Finished DB Instance backup
Jul 15 9:08 AM
Backing up DB instance
Jul 15 9:07 AM
DB instance created
Monitoring
CURRENT VALUE
THRESHOLD
LAST HOUR
CPU
0.915%
Memory
556 MB
Storage
14,500 MB
Read IOPS
0/sec
Write IOPS
0.408/sec
Swap Usage
0 MB
Instance Actions
Tags
Logs
Feedback
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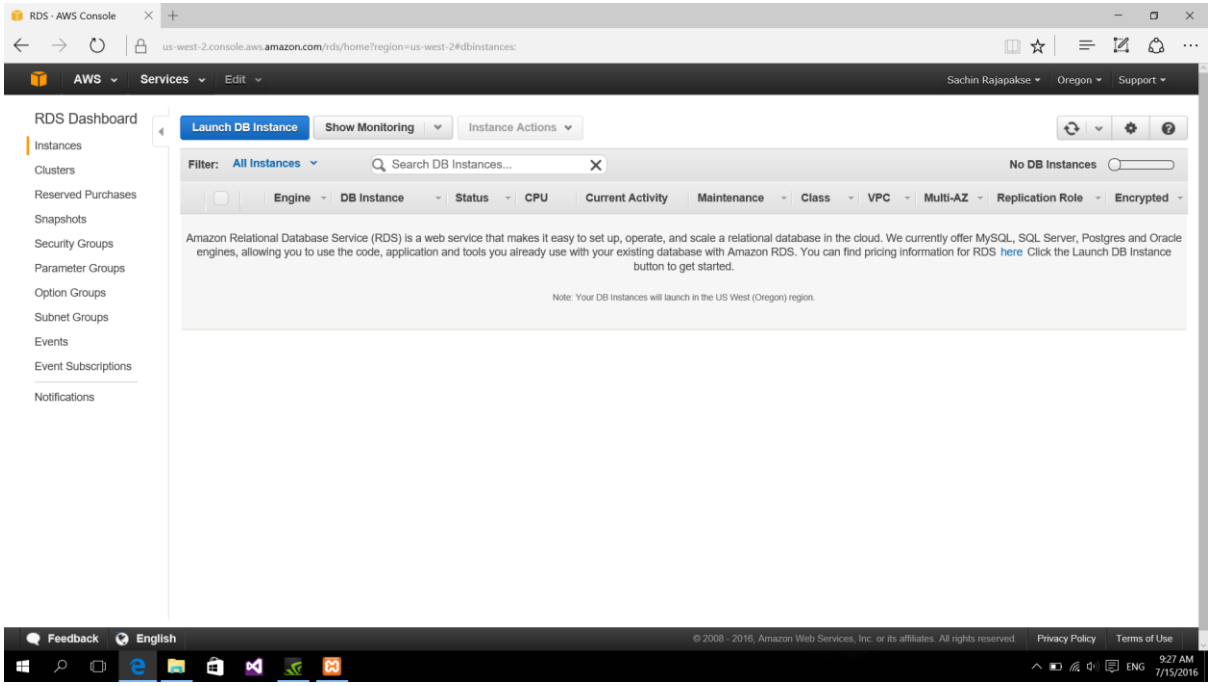
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Amazon Relational Database Service (RDS) is a web service that makes it easy to set up, operate, and scale a relational database in the cloud. We currently offer MySQL, SQL Server, Postgres and Oracle engines, allowing you to use the code, application 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.
Note: Your DB Instances will launch in the US West (Oregon) region.
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