Enterprise Standards and Best Practices for IT Infrastructure

Lab Report

Lab 03 - Creating an Amazon RDS Database

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Weekend Batch

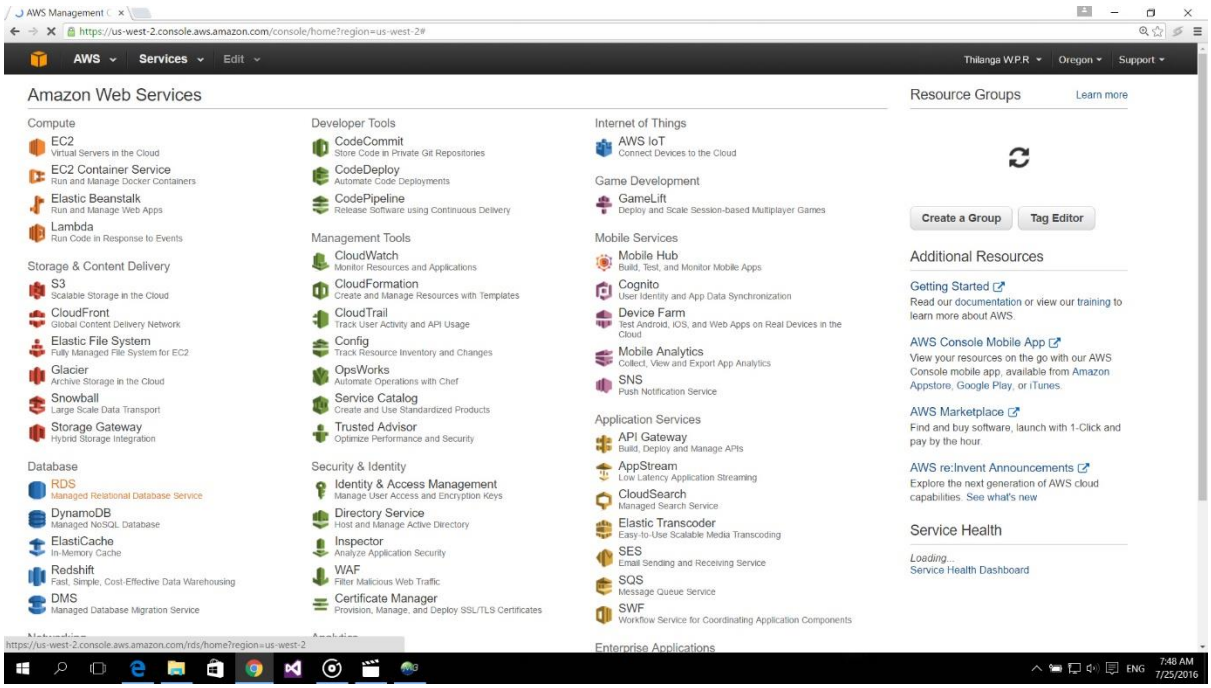
Sri Lanka Institute of Information Technology

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

Specialized in Information Technology

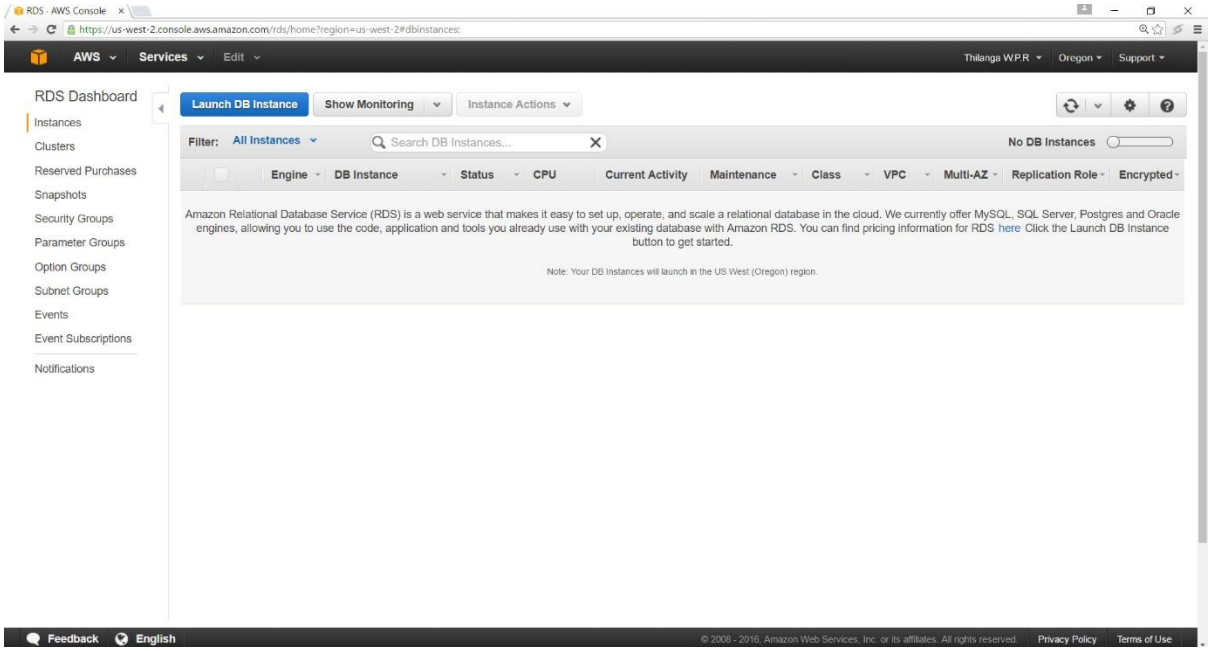
Creating an Amazon RDS Database

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

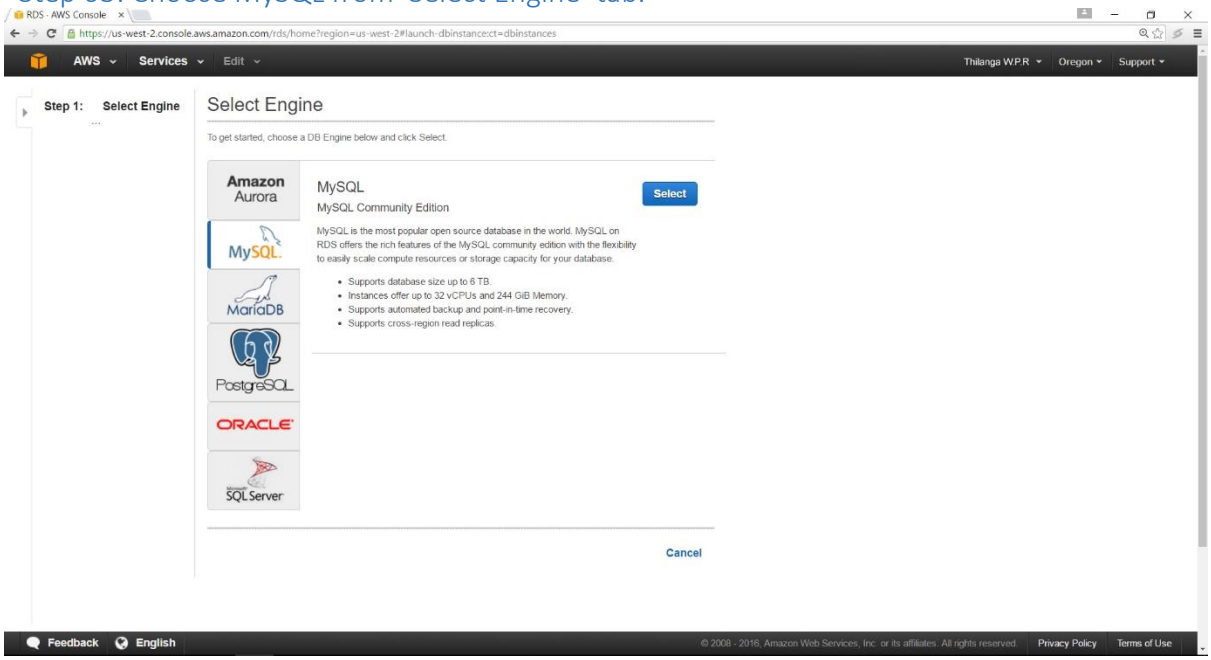


Step 02: Choose Instances from RDS Dashboard.

Select Launch DB Instance.

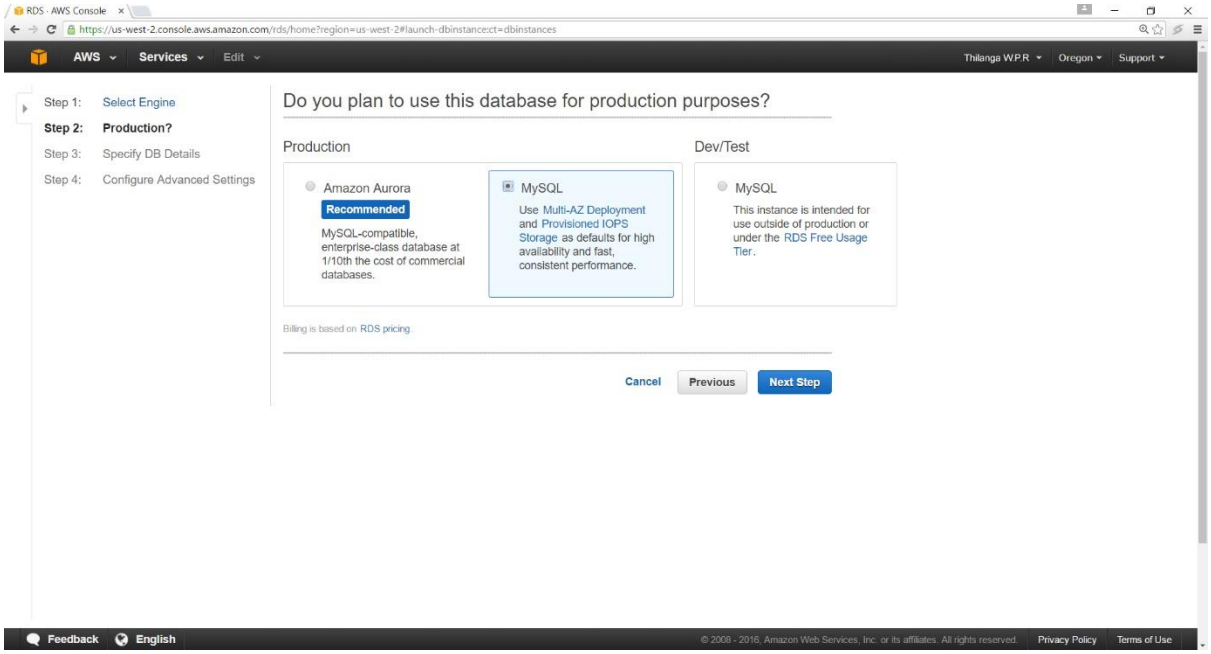


Step 03: Choose MySQL from ‘Select Engine’ tab.



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

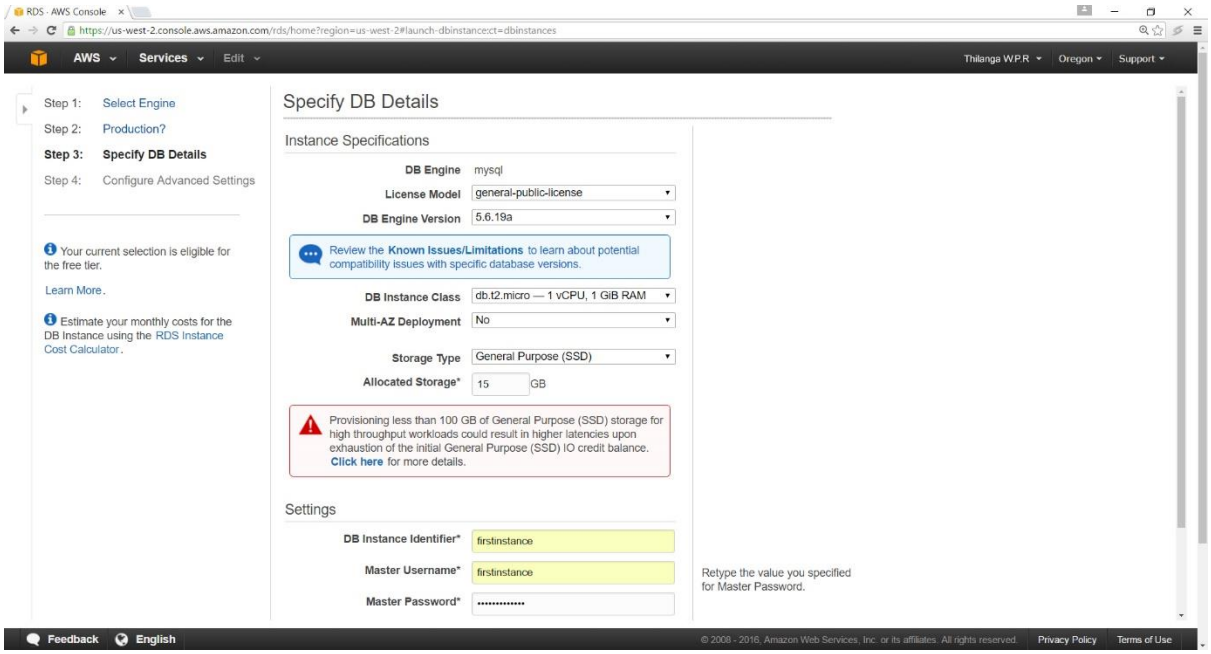
DB Instance Class: db.t2.micro – 1 vCPU, 1 GiB RAM

Multi-AZ Deployment: No

Storage Type: General Purpose (SSD)

Allocated Storage: 15 GB

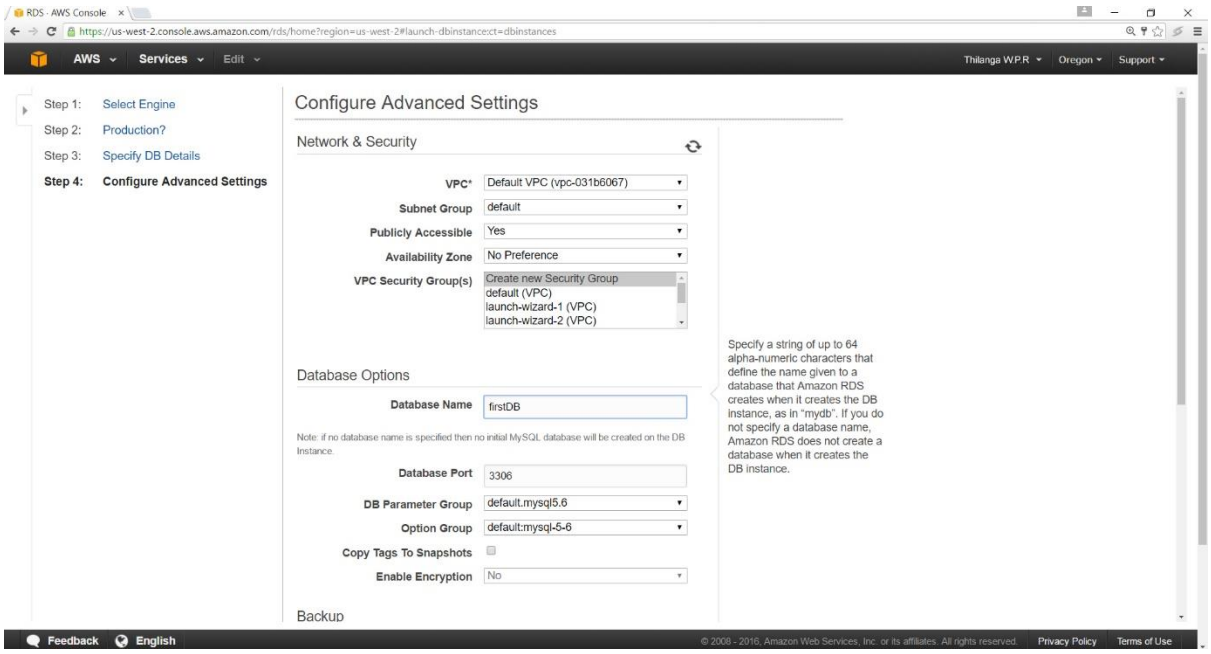
Provide a DB instance identifier, a master username and a master password.



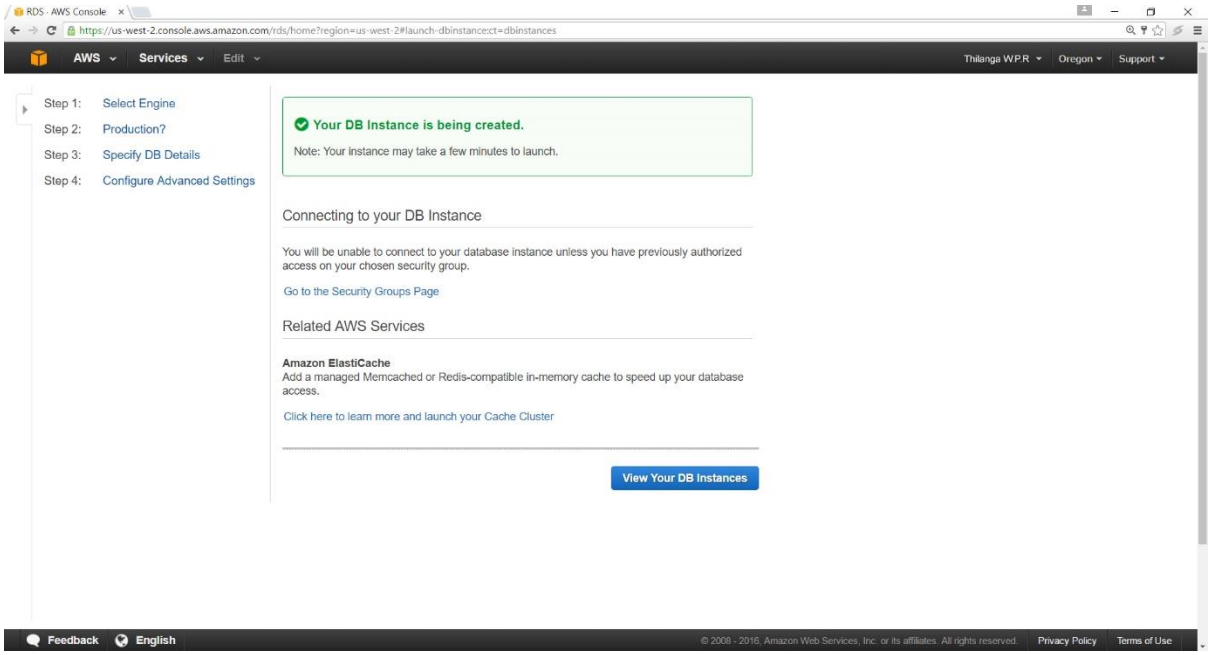
Step 06: Give a database name in 'Configure Advanced Settings' tab. (Database Options)

Choose 'No' in Enable Enhanced Monitoring. (Monitoring)

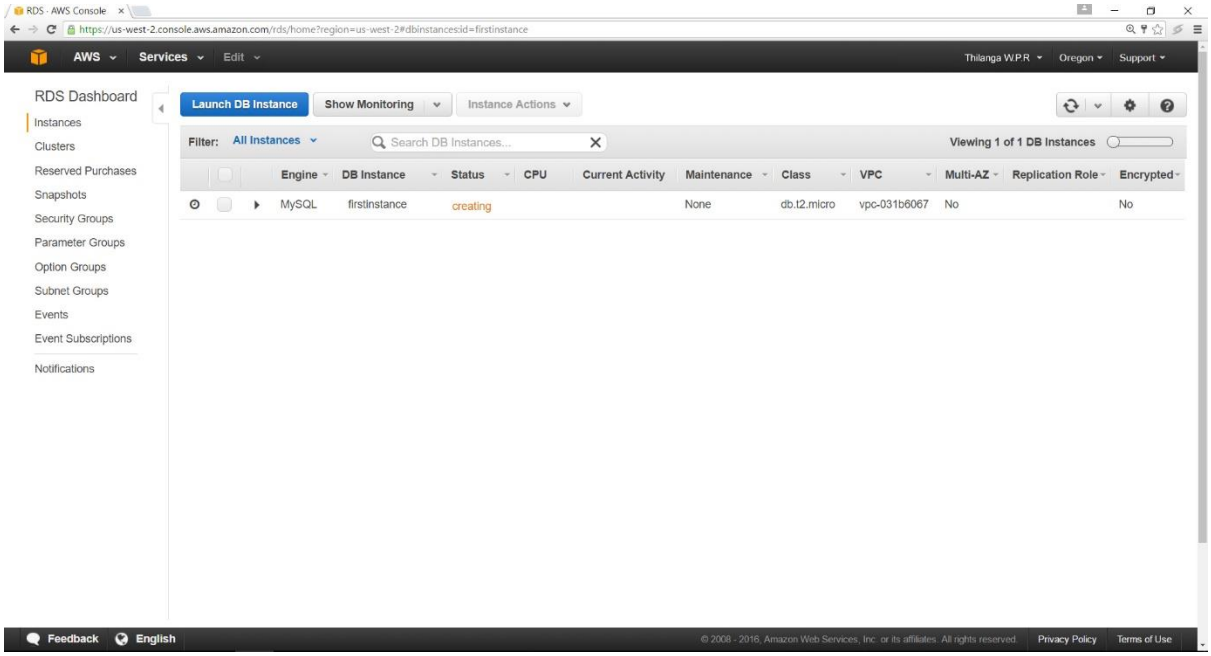
Click 'Launch DB Instance'.

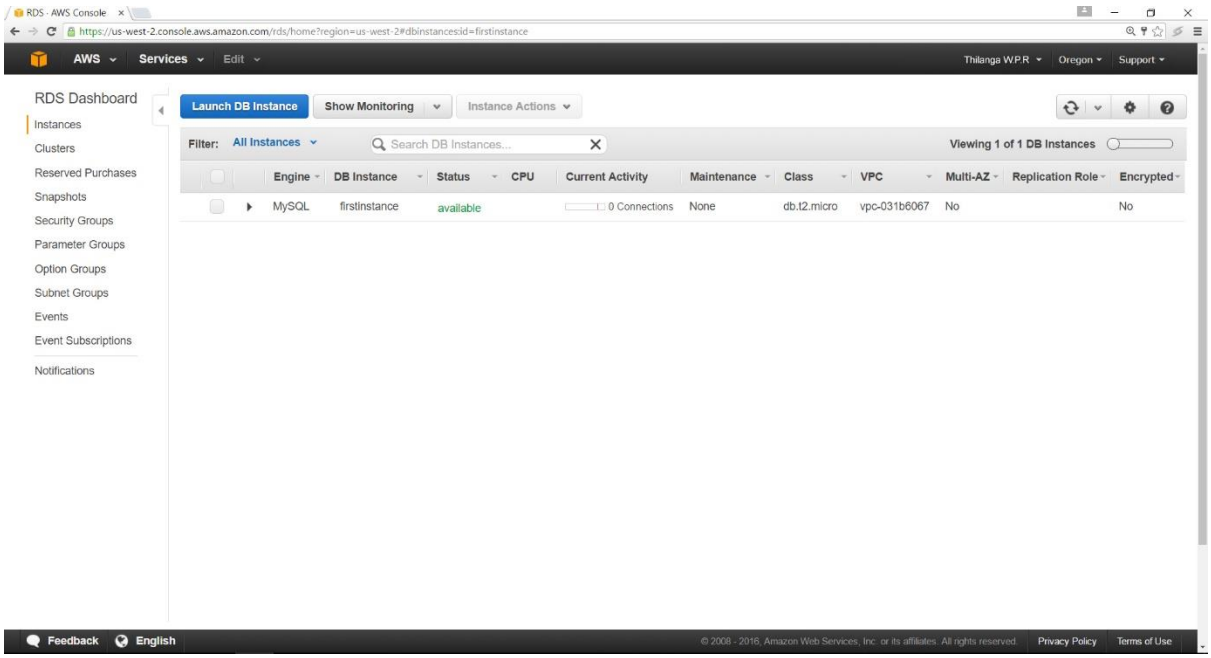


Step 07: Click ‘View Your DB Instances’ from next window.



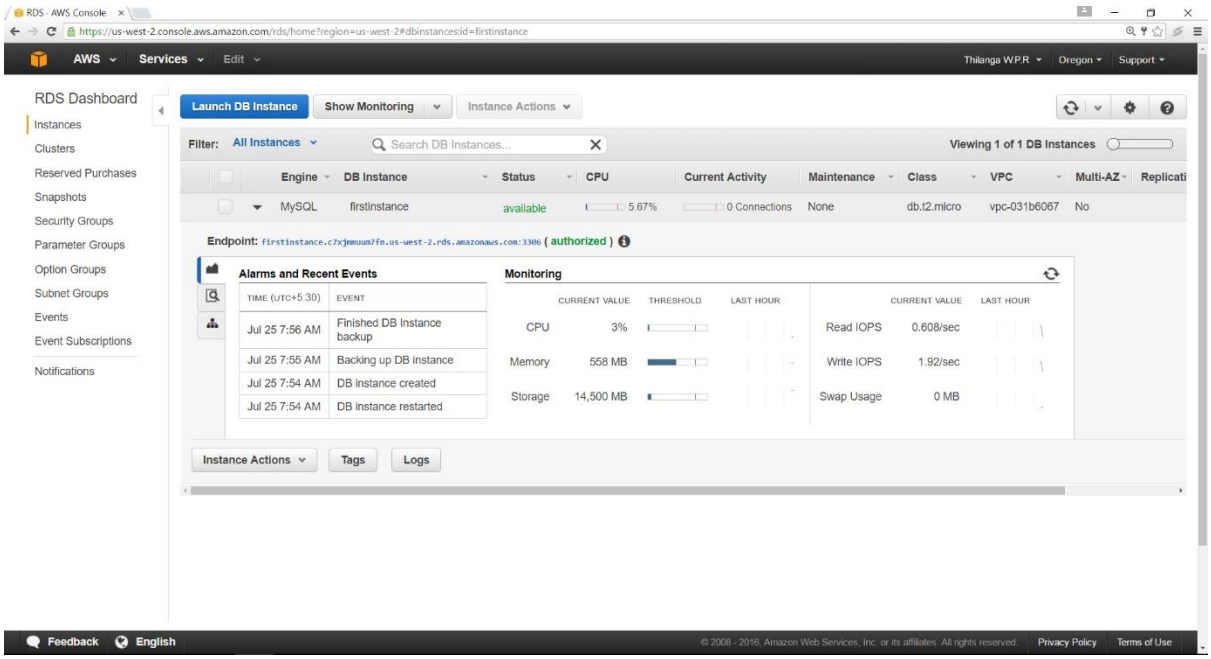
Step 08: Wait until the instance status change to ‘available’ from ‘creating’.





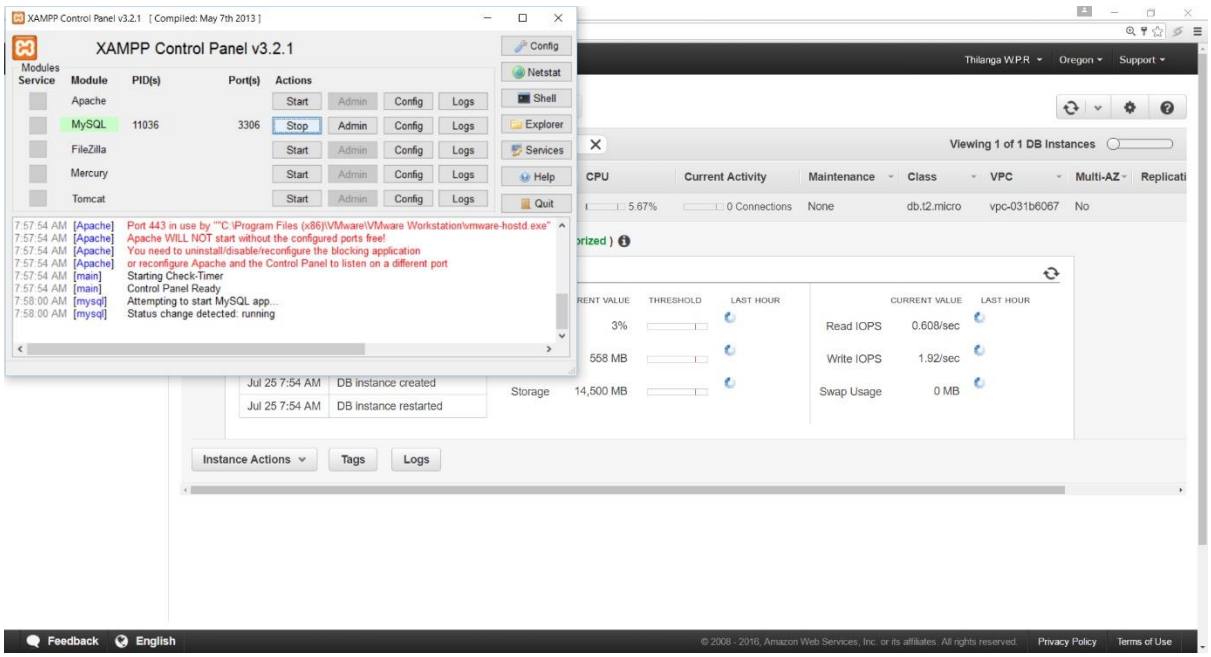
Step 09: Expand the instance to view Endpoint.

Copy the Endpoint without the port number.



Step 10: Open XAMPP Control Panel.

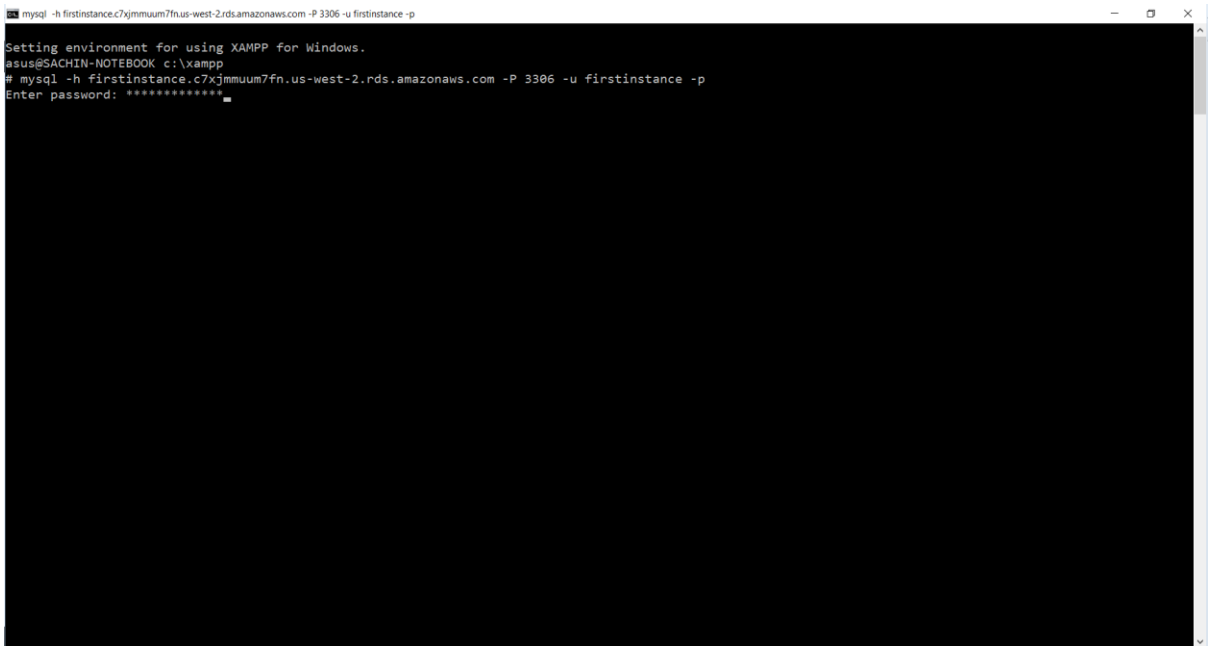
Start MySQL.



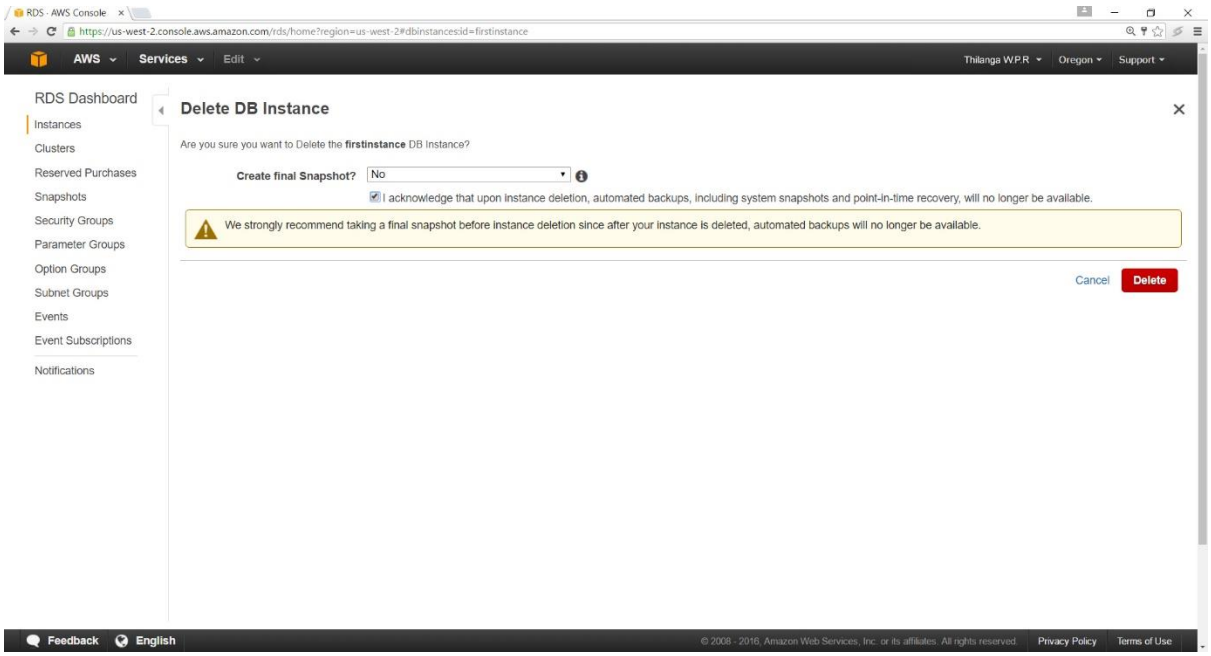
Step 11: Go to the Shell in XAMPP Control Panel.

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

Enter master password.



Step 12: Delete the created DB instance. Choose ‘No’ in Create final Snapshot. Confirm delete by clicking ‘Delete’.


RDS · AWS Console
https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#dbinstances:id=firstinstance
AWS
Services
Edit
Thilanga W.P.R
Oregon
Support
RDS Dashboard
Instances
Clusters
Reserved Purchases
Snapshots
Security Groups
Parameter Groups
Option Groups
Subnet Groups
Events
Event Subscriptions
Notifications
Delete DB Instance
Are you sure you want to Delete the firstinstance DB Instance?
Create final Snapshot?
No
I acknowledge that upon instance deletion, automated backups, including system snapshots and point-in-time recovery, will no longer be available.
We strongly recommend taking a final snapshot before instance deletion since after your instance is deleted, automated backups will no longer be available.
Cancel
Delete
Feedback
English
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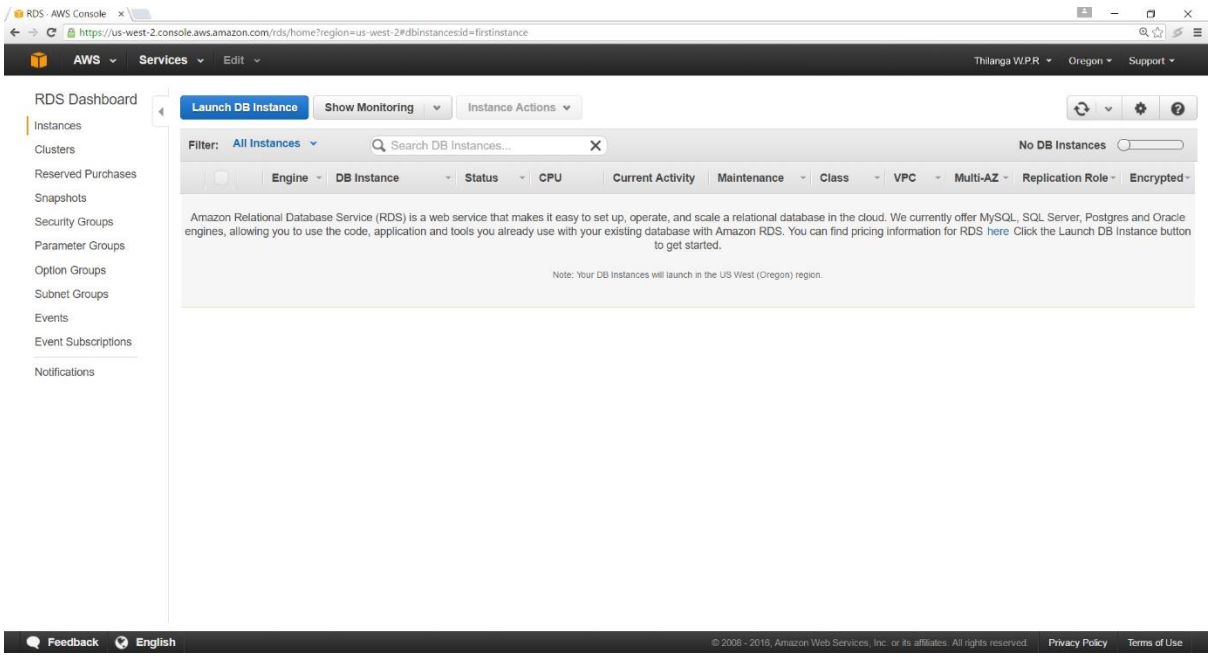
RDS · AWS Console
https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#dbinstances:id=firstinstance
AWS
Services
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Thilanga W.P.R
Oregon
Support
RDS Dashboard
Instances
Clusters
Reserved Purchases
Snapshots
Security Groups
Parameter Groups
Option Groups
Subnet Groups
Events
Event Subscriptions
Notifications
Launch DB Instance
Show Monitoring
Instance Actions
Filter:
All Instances
Search DB Instances...
No DB Instances
Engine
DB Instance
Status
CPU
Current Activity
Maintenance
Class
VPC
Multi-AZ
Replication Role
Encrypted
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.
Feedback
English
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