

Lab 1 & 2

Getting Started with Amazon Relational Database Service.

Create a DB instance running the MySQL database engine

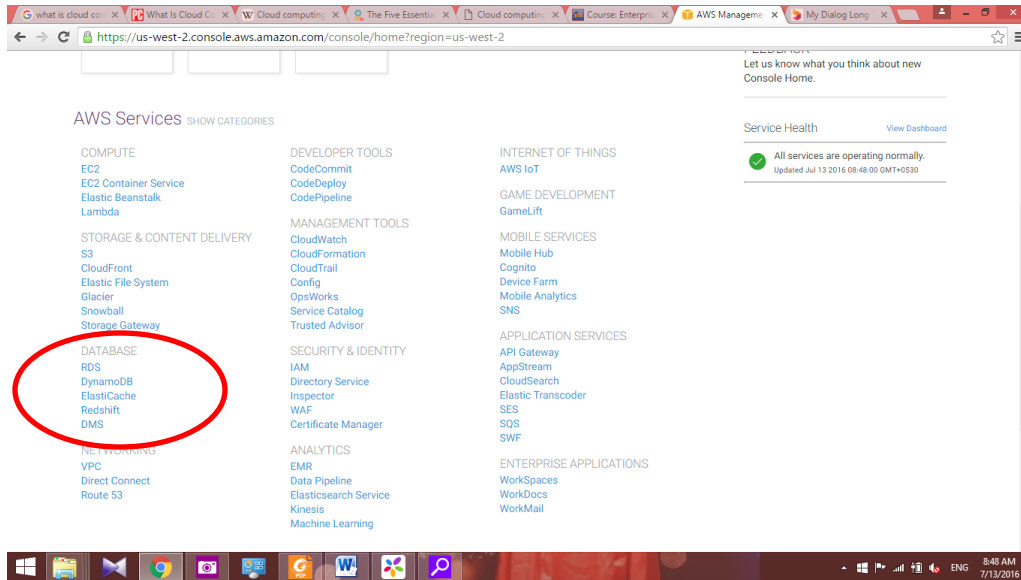
Wickramasundara D.G.T.K

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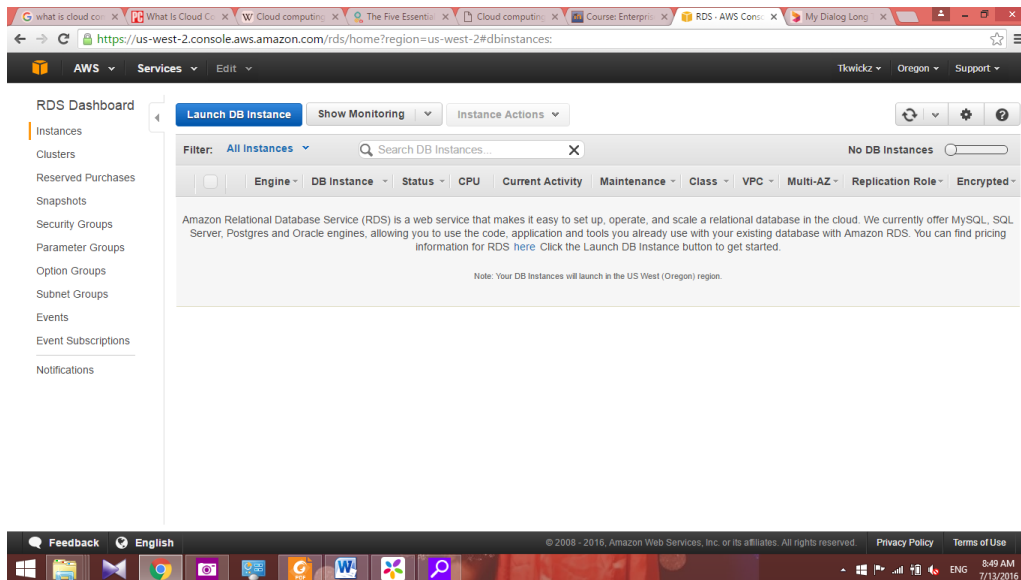
Weekdays

Log into the AWS using your username and password.

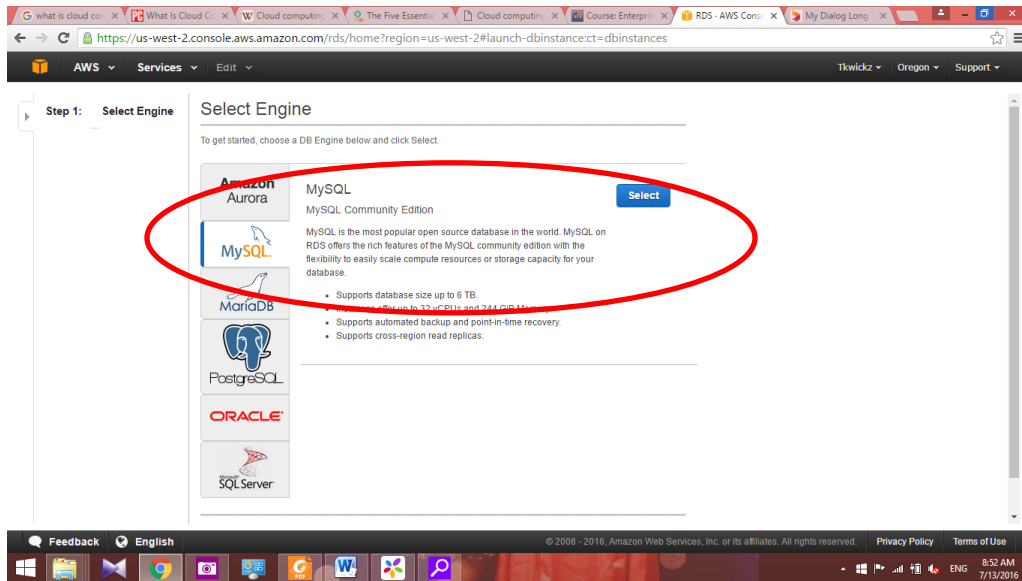
1. There select “RDS” option under DATABASE category.



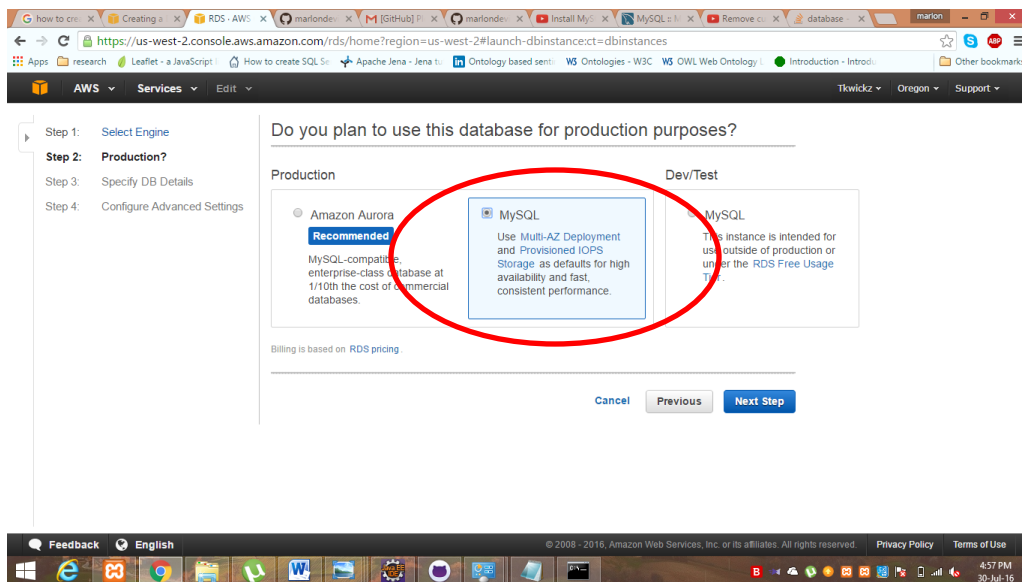
2. Click “Launch DB Instance”



3. Select “MySQL”



4. Select MySQL option and click “Next Step”.



5. Fill the form as below and click **“Next Step”** (associate storage you can put any value below 30 since we are using free tier).

Step 1: Select Engine
Step 2: Production?
Step 3: Specify DB Details
Step 4: Configure Advanced Settings

Your current selection is eligible for the free tier.
[Learn More](#).

Estimate your monthly costs for the DB Instance using the [RDS Instance Cost Calculator](#).

Specify DB Details

Instance Specifications

DB Engine: mysql
License Model: general-public-license
DB Engine Version: 5.6.19a
[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*: 20 GB

(Minimum: 5 GB, Maximum: 6144 GB) Higher allocated storage may improve IOPS performance.

Warning: 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.

Settings

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Estimate your monthly costs for the DB Instance using the [RDS Instance Cost Calculator](#).

Multi-AZ Deployment: No
Storage Type: General Purpose (SSD)
Allocated Storage*: 20 GB

Warning: 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.

Settings

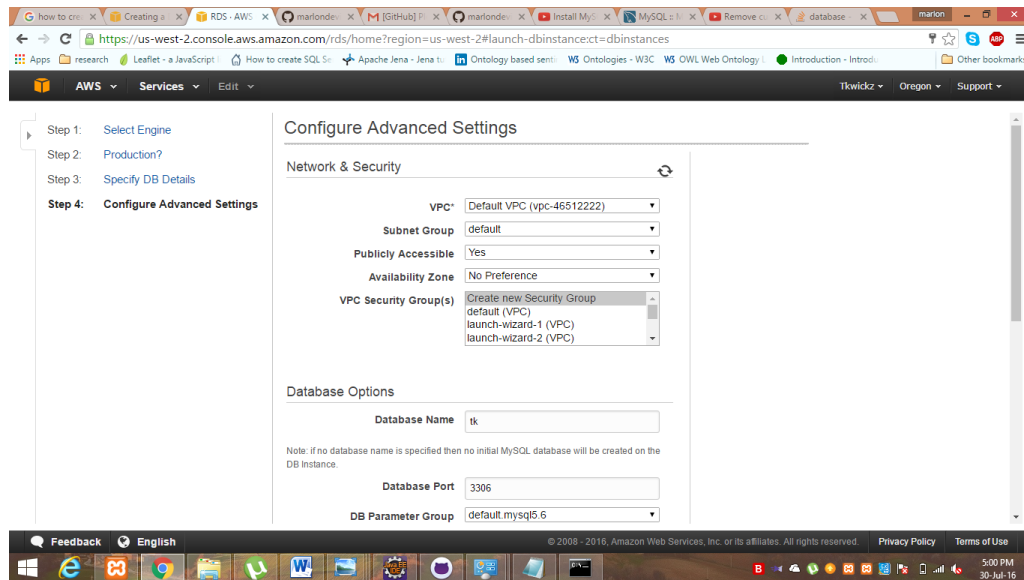
DB Instance Identifier*: tk2
Master Username*: tk123
Master Password*:
Confirm Password*:

Retype the value you specified for Master Password.

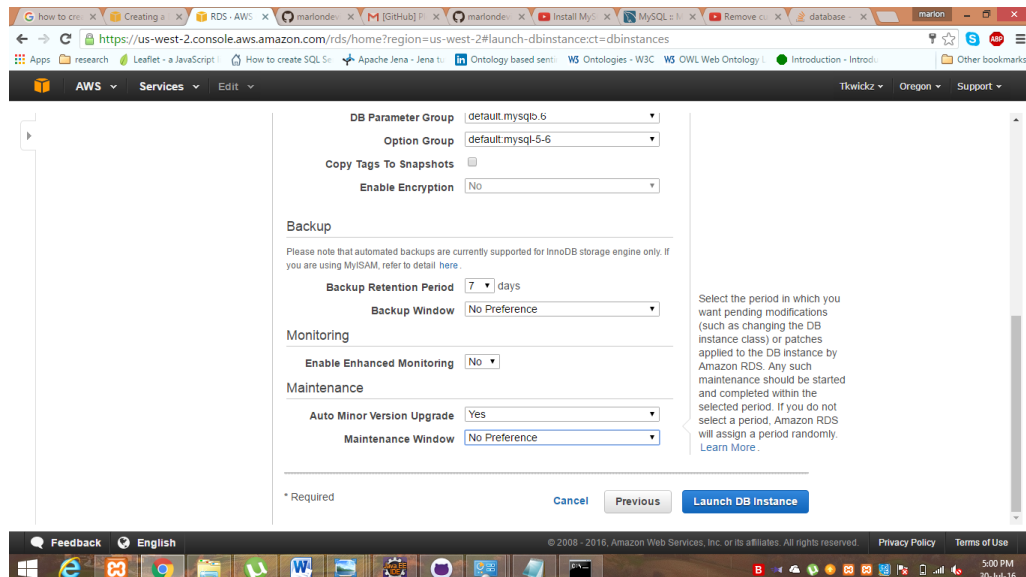
* Required

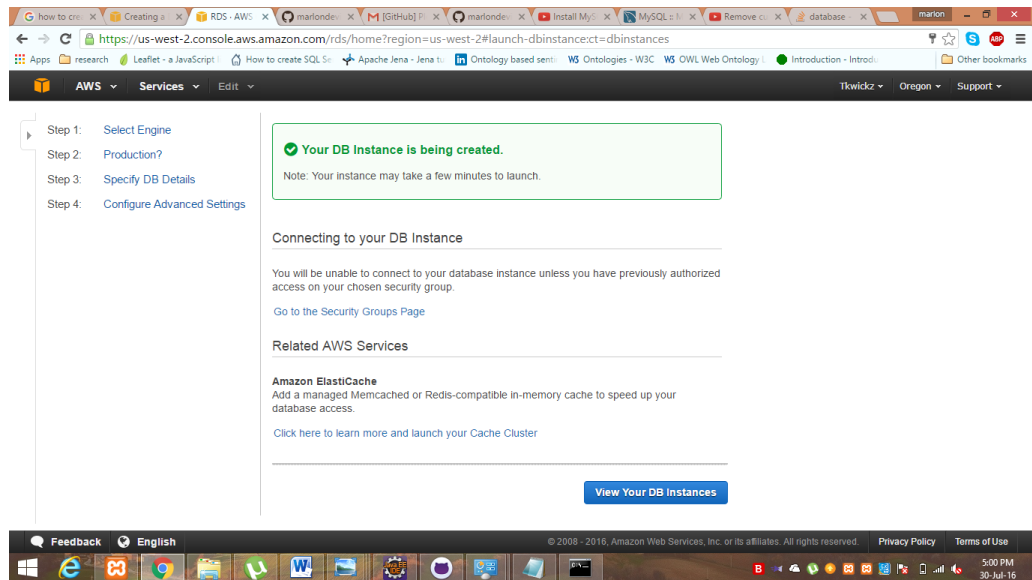
Cancel Previous **Next Step**

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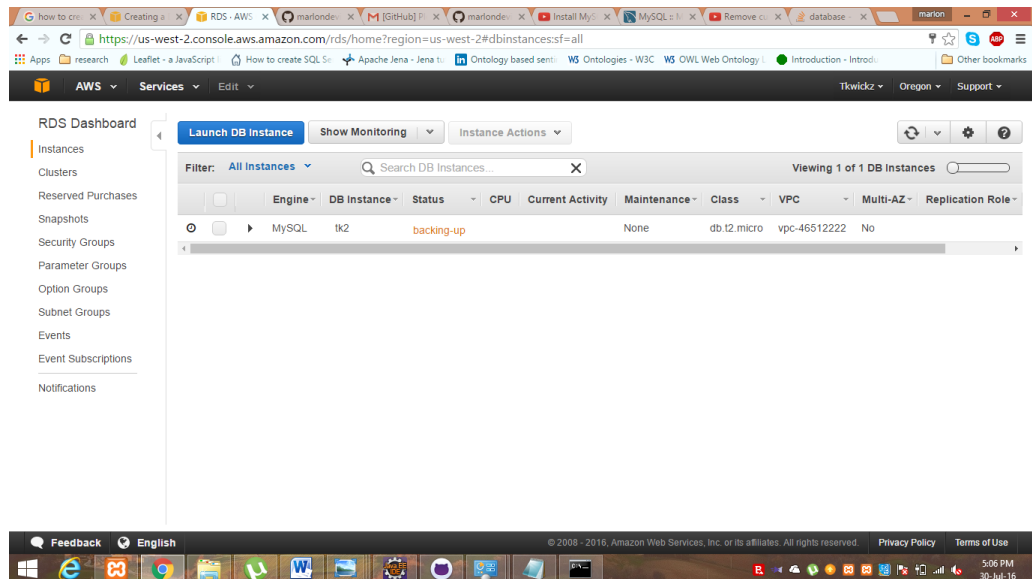


6. Finally, click “Launch DB Instance”



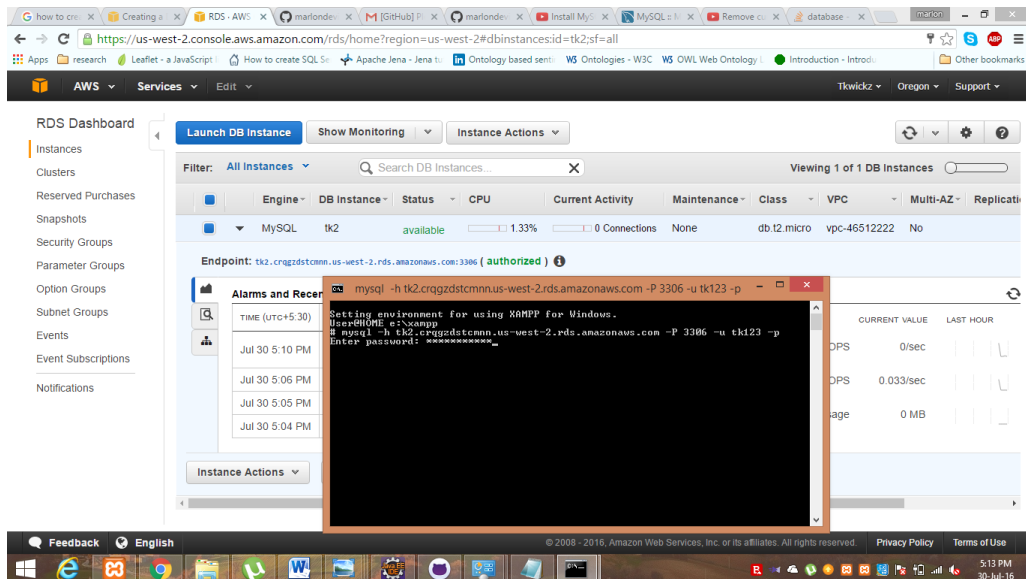
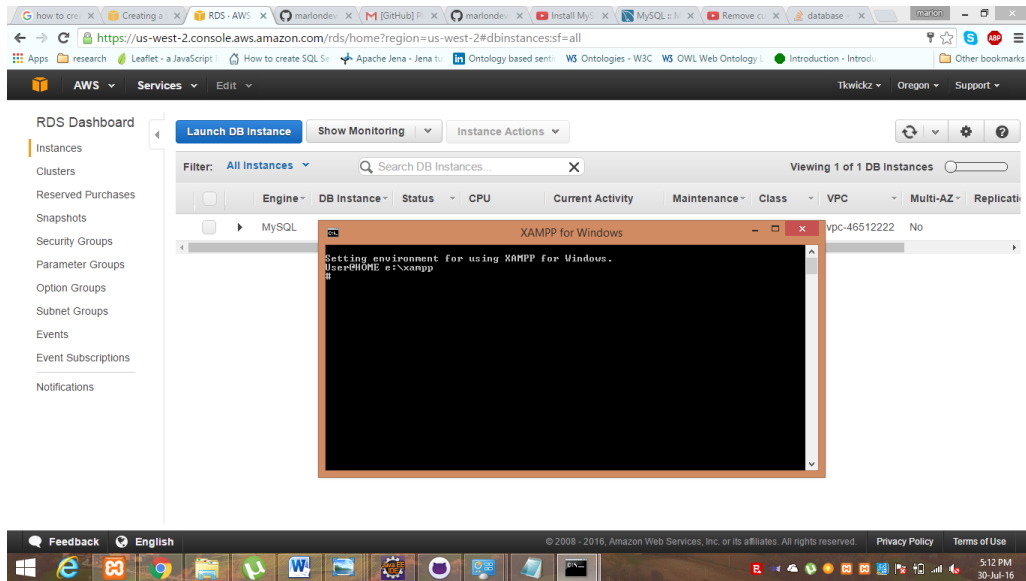


7. Now it is shown that the DB instance is created



8. Now we are going to connect DB instance with MySQL. To do so I use Xampp. In its shell we write below command.

```
"mysql -h <endpoint> -P 3306 -u <mymasteruser> -p
```



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https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#dbinstancesid=tk2;sf=all

Apps research Leaflet - a JavaScript... How to create SQL S... Apache Jena - Jena 1... Ontology based sem... W3 Ontologies - W3C... OWL Web Ontology... Introduction - Intro... Other bookmarks

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... Viewing 1 of 1 DB Instances

Engine	DB Instance	Status	CPU	Current Activity	Maintenance	Class	VPC	Multi-AZ	Replica
MySQL	tk2	available	1.33%	0 Connections	None	db.t2.micro	vpc-46512222	No	

Endpoint: tk2.crqgzdstcmnn.us-west-2.rds.amazonaws.com:3306 (authorized)

Alarms and Recer

TIME (UTC+5:30)	
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Instance Actions

```
mysql -h tk2.crqgzdstcmnn.us-west-2.rds.amazonaws.com -P 3306 -u tk123 -p
Setting environment for using XAMPP for Windows.
mysql>
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 19
Server version: 5.6.19-log MySQL Community Server (GPL)

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql>
```

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