



SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

Enterprise Standards and Best Practices for IT Infrastructure

4th Year 2nd Semester 2014

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Group Number:

Practical Session: Weekday(Friday lab)

Practical Number : 03

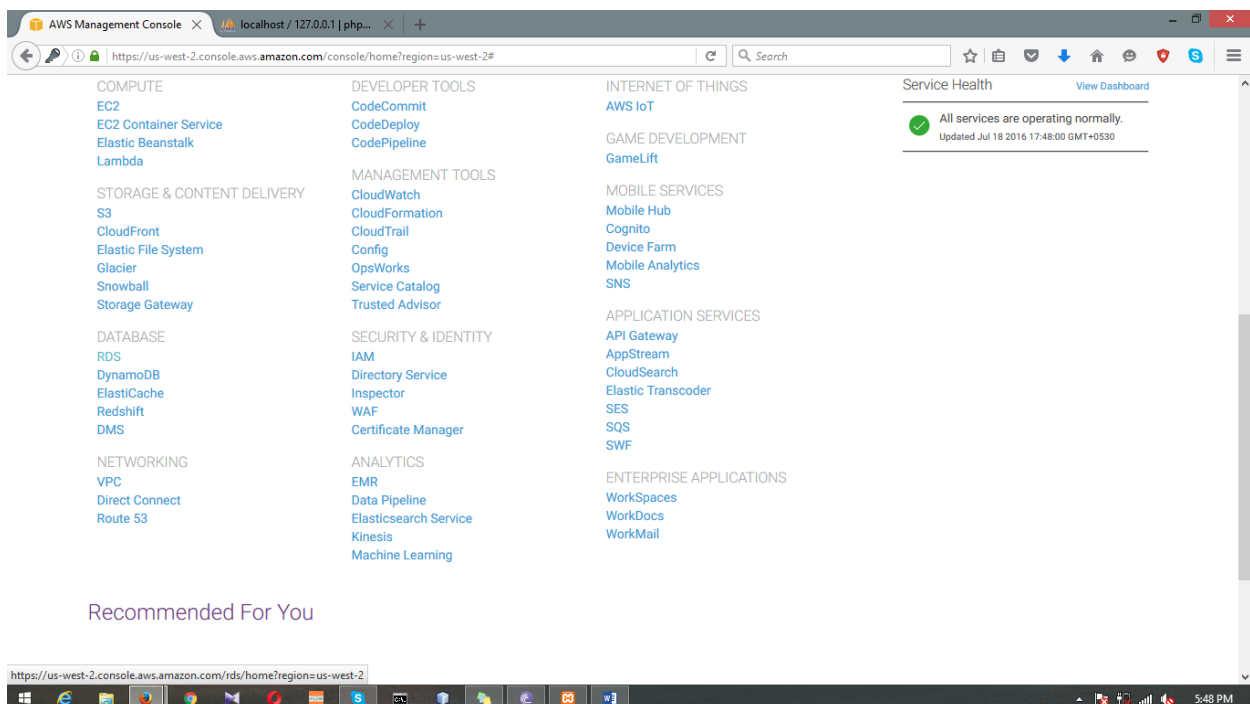
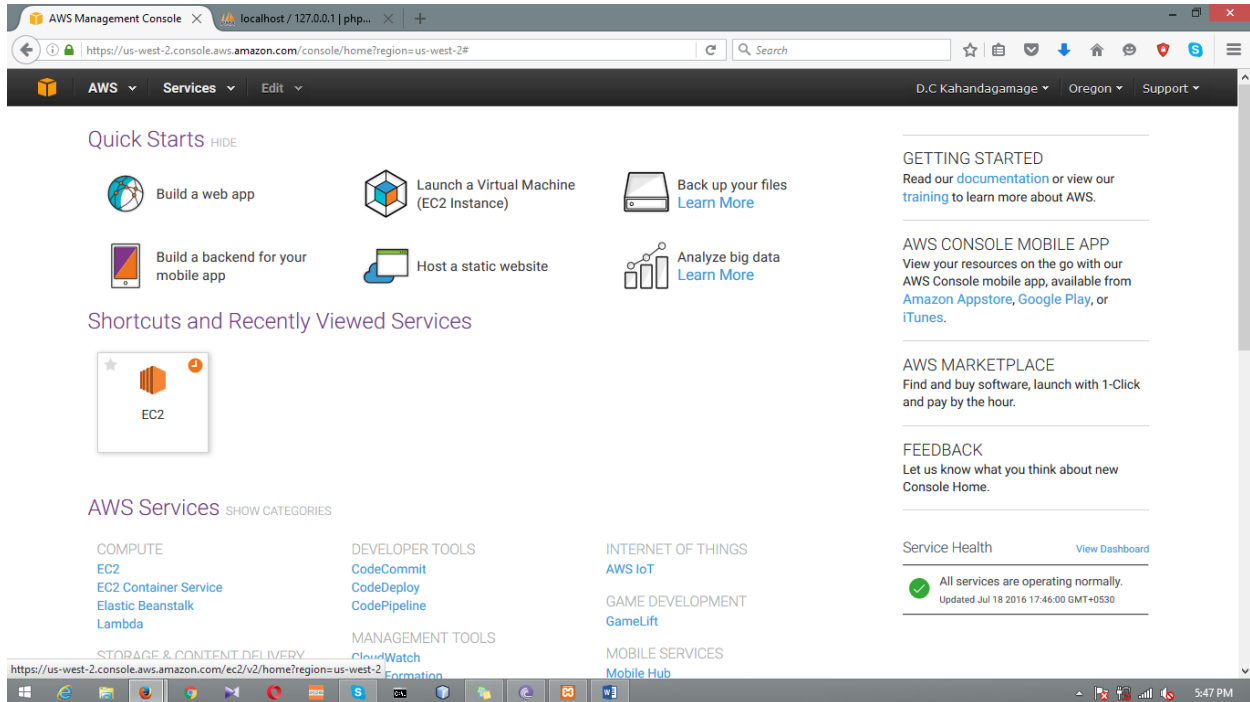
Date of Submission: 2016/07/30

Date of Evaluation : _____

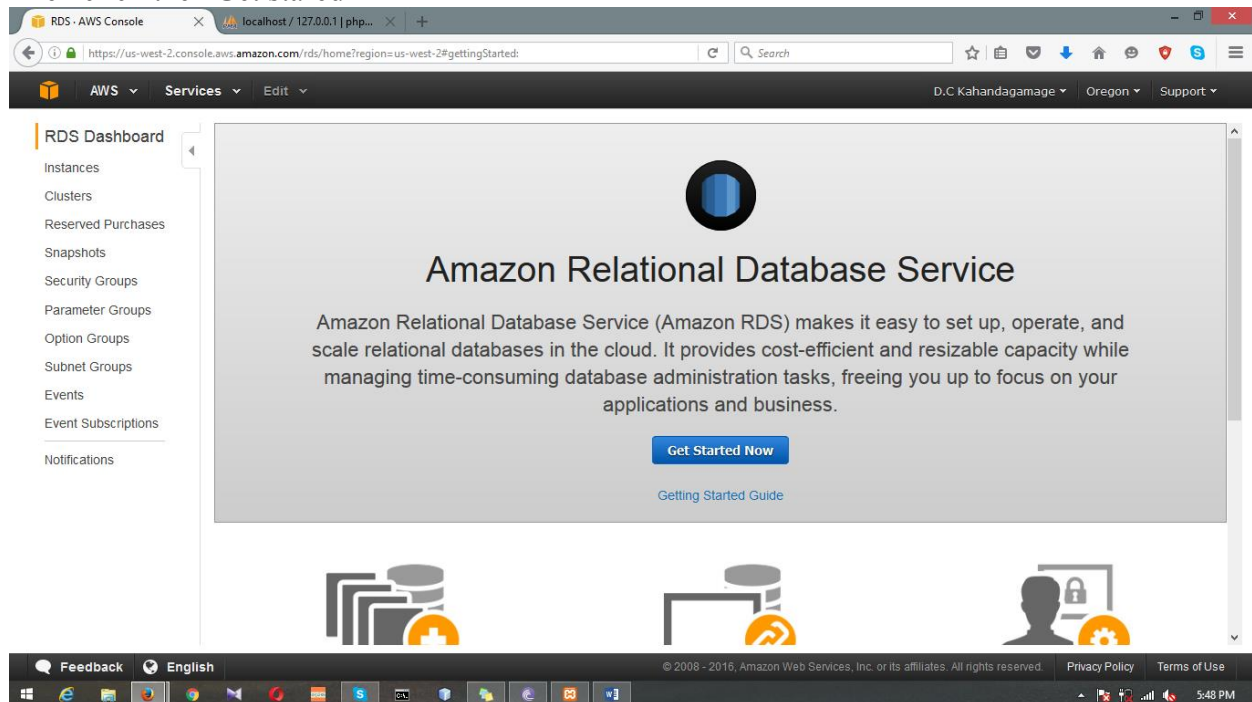
Evaluators Signature : _____

Creating and connect the SQL:

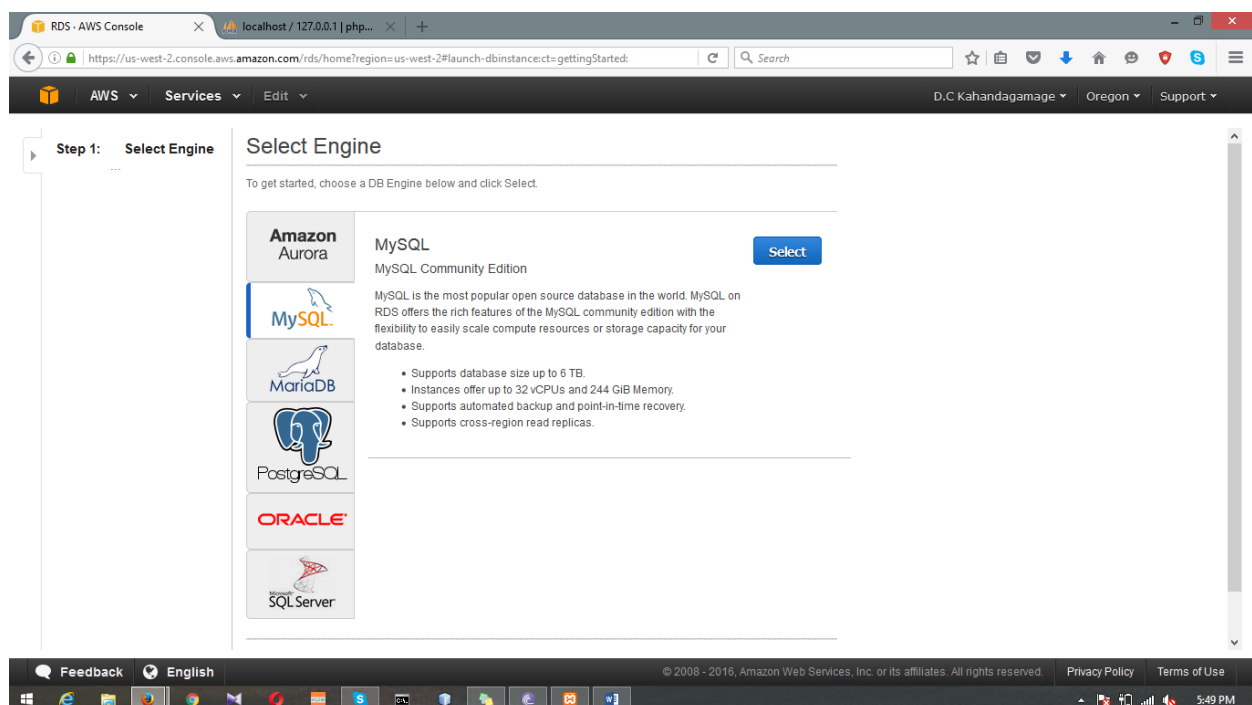
Properly login to AWS Account and management control. Then click RDS in Database category



Then click the “Get started”



Select MY SQL



Then select the plan of production process (Select MY SQL)

The screenshot shows the AWS RDS console interface. On the left, a sidebar lists four steps: Step 1: Select Engine, Step 2: Production?, Step 3: Specify DB Details, and Step 4: Configure Advanced Settings. The main content area is titled 'Do you plan to use this database for production purposes?'. It features two columns: 'Production' and 'Dev/Test'. Under 'Production', there are two radio button options: 'Amazon Aurora' (marked 'Recommended') and 'MySQL'. The 'MySQL' option is selected. A note for MySQL states: 'Use Multi-AZ Deployment and Provisioned IOPS Storage as defaults for high availability and fast, consistent performance.' Under 'Dev/Test', the 'MySQL' option is also selected, with a note: 'This instance is intended for use outside of production or under the RDS Free Usage Tier.' At the bottom, there are three buttons: 'Cancel', 'Previous', and 'Next Step'. The footer of the console shows '© 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved.' and links for 'Privacy Policy' and 'Terms of Use'.

Specify the relevant details as this screen shot

In setting section insert the user name , database name and password

The screenshot shows the 'Instance Specifications' and 'Settings' sections of the AWS RDS console. The 'Instance Specifications' section includes fields for 'DB Engine' (mysql), 'License Model' (general-public-license), 'DB Engine Version' (5.6.27), 'DB Instance Class' (db.m1.small — 1 vCPU, 1.7 GB RAM), 'Multi-AZ Deployment' (No), 'Storage Type' (General Purpose (SSD)), and 'Allocated Storage' (15 GB). A warning message states: '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.' The 'Settings' section includes fields for 'DB Instance Identifier' (example), 'Master Username' (denuka), 'Master Password' (*****), and 'Confirm Password' (*****). A note on the right says: 'Retype the value you specified for Master Password.' At the bottom, there are three buttons: 'Cancel', 'Previous', and 'Next Step'. The footer of the console shows '© 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved.' and links for 'Privacy Policy' and 'Terms of Use'.

Add the proper name for Database(Denuka)

Publicly Accessible: Yes

Availability Zone: No Preference

VPC Security Group(s): default (VPC)

Database Options

Database Name: denuka

Database Port: 3306

DB Parameter Group: default.mysql5.6

Option Group: default.mysql5-6

Copy Tags To Snapshots: No

Enable Encryption: No

Backup

Backup Retention Period: 7 days

Backup Window: No Preference

Maintenance

Auto Minor Version Upgrade: Yes

Maintenance Window: No Preference

Launch DB Instance

If the requirements are correct the “successful DB instance created” will appear

Step 1: Select Engine

Step 2: Production?

Step 3: Specify DB Details

Step 4: Configure Advanced Settings

✓ Your DB Instance is being created.

Note: Your instance may take a few minutes to launch.

Connecting to your DB Instance

You will be unable to connect to your database instance unless you have previously authorized access on your chosen security group.

Go to the Security Groups Page

Related AWS Services

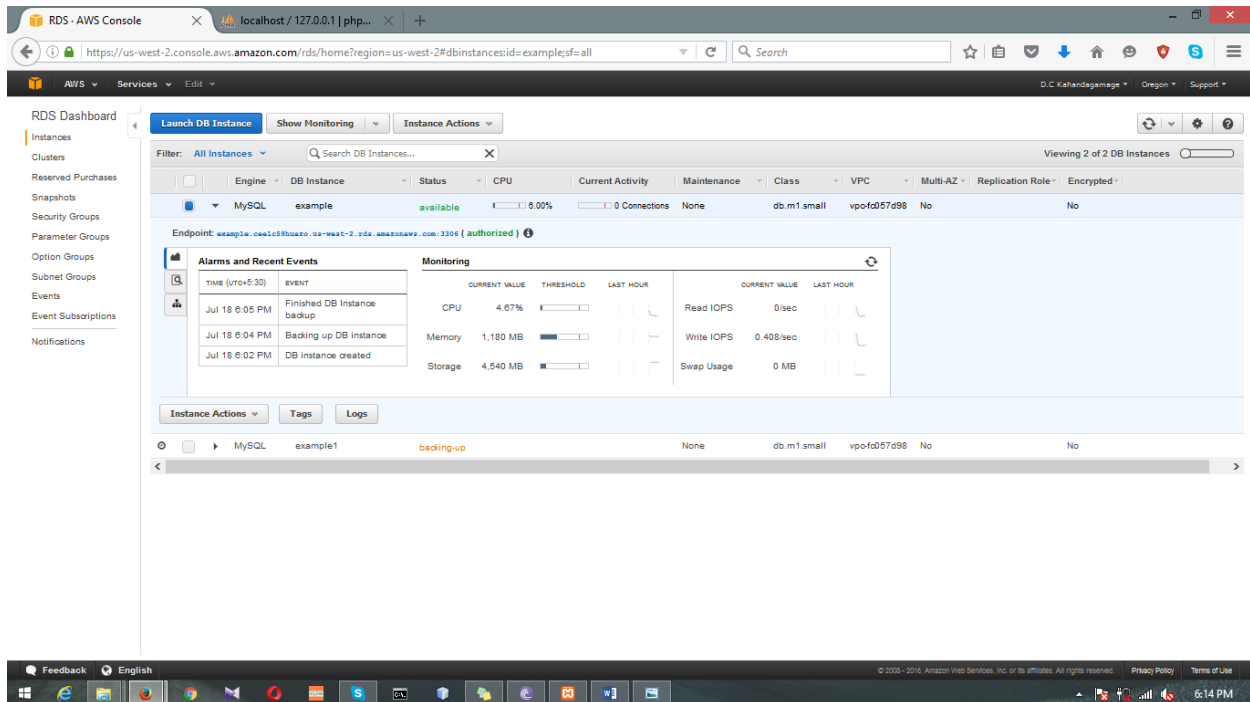
Amazon ElastiCache

Add a managed Memcached or Redis-compatible in-memory cache to speed up your database access.

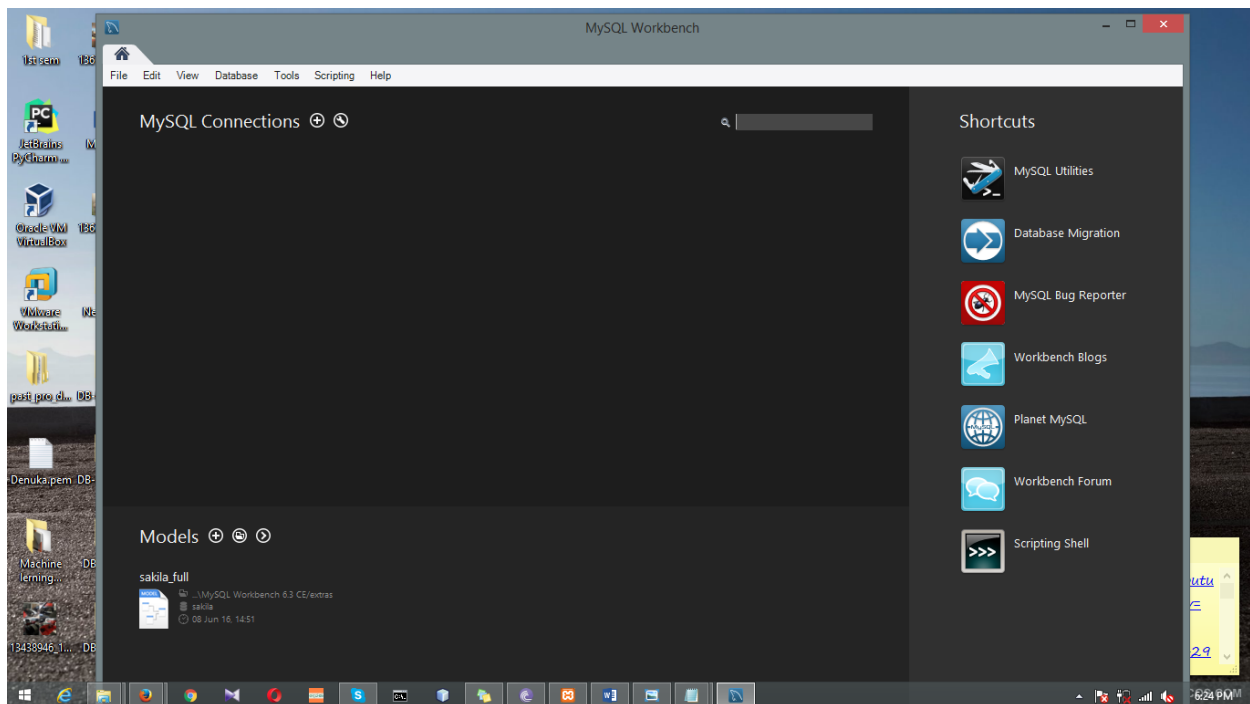
Click here to learn more and launch your Cache Cluster

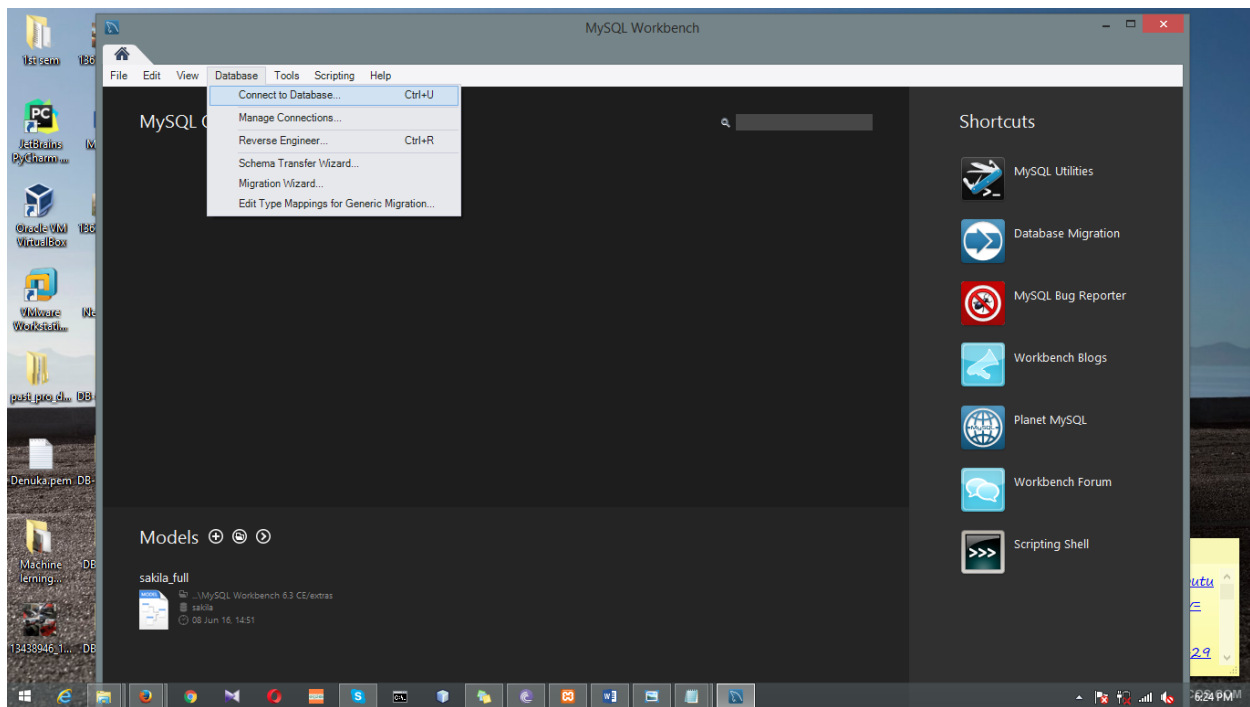
View Your DB Instances

Created Database with specific name which we added early



Then the user can install the SQL workbench and connect the instance





Add the proper username and password for connect the instance

