



SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

Enterprise Standards and Best Practices for IT Infrastructure

4th Year 2nd Semester 2016

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Practical Session: <WD>

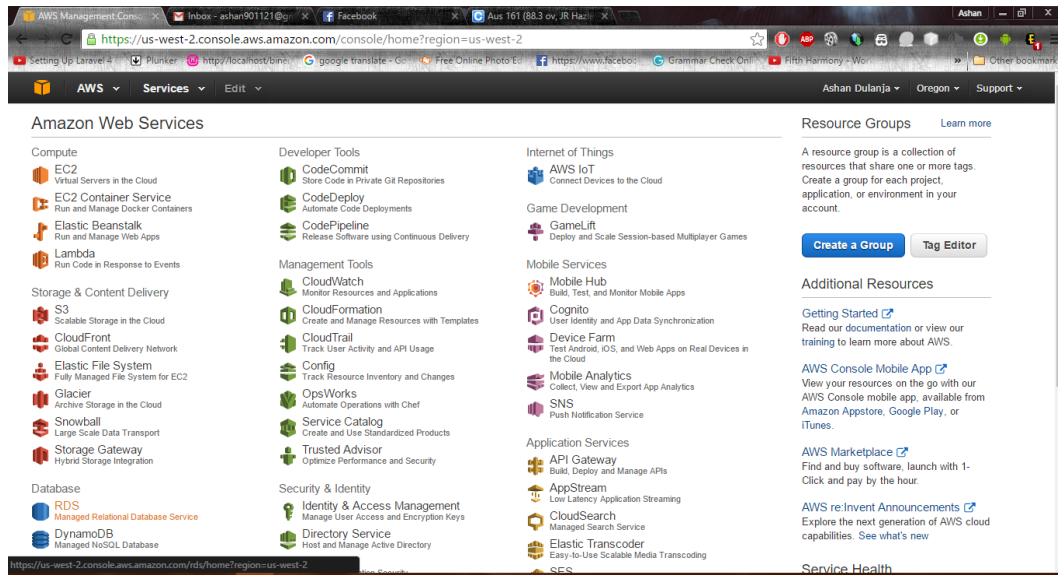
Date of Submission: 30/07/2016

Date of Evaluation : _____

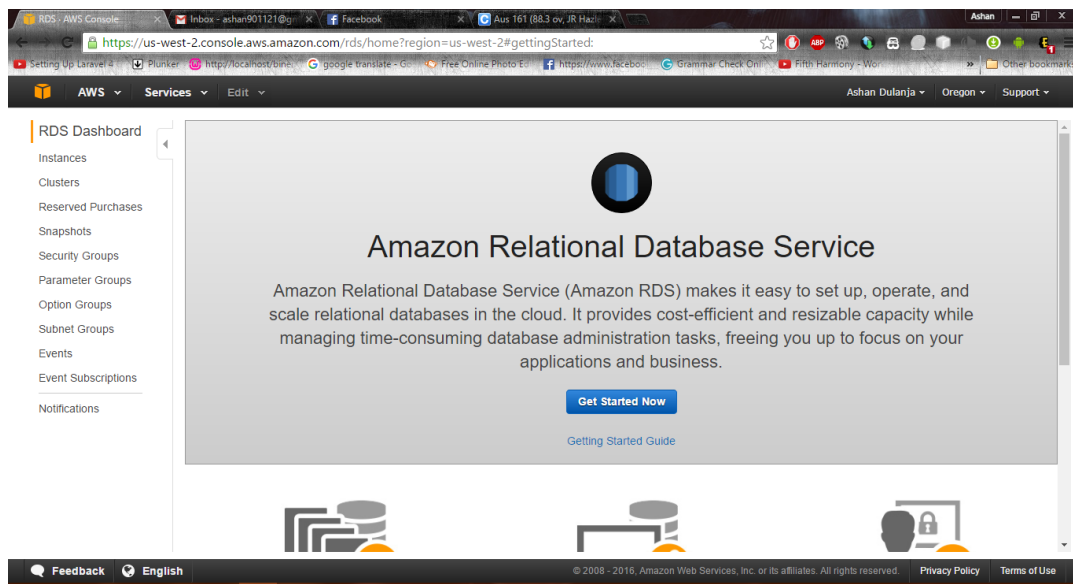
Evaluators Signature : _____

Configuration Relational Database Service

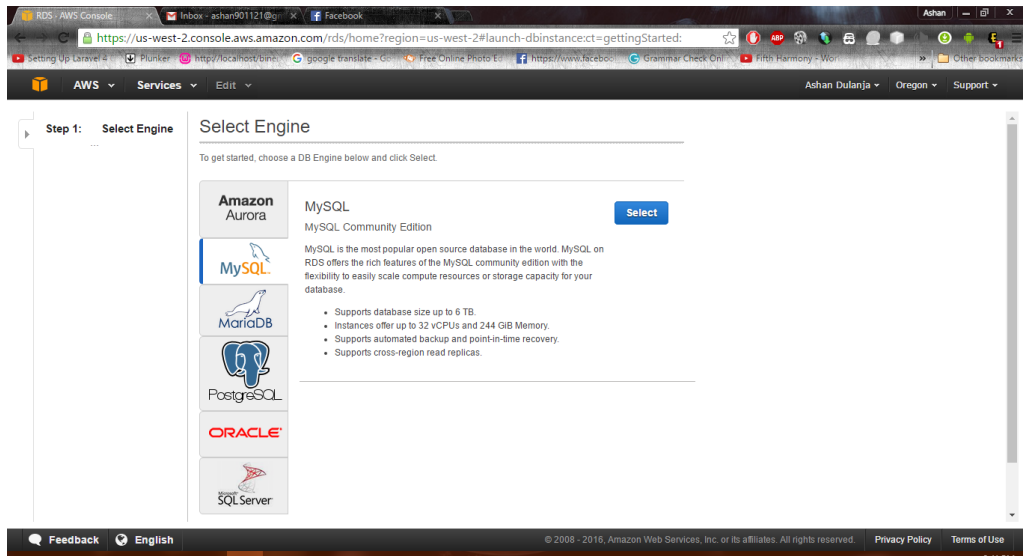
1. Select RDS



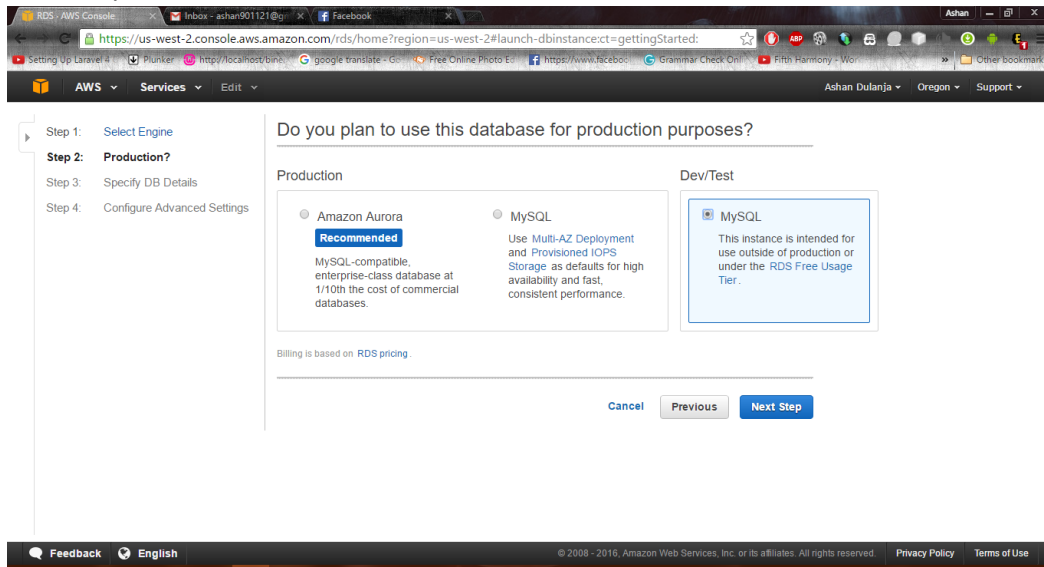
2. Click the Get started now



3. Select MySQL



4. Select MySQL and click next



5. Instant Specification

The screenshot shows the 'Step 4: Configure Advanced Settings' page in the AWS RDS console. The left sidebar contains information about the free tier and a cost calculator. The main area is titled 'Instance Specifications' and includes the following settings:

- DB Engine:** mysql
- 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:** 5 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.'

On the right, there is a checkbox for 'Only show options that are eligible for RDS Free Tier' and a note about Amazon RDS maintaining a synchronous standby replica in a different Availability Zone.

The bottom of the page includes a footer with 'Feedback', 'English', and copyright information for Amazon Web Services, Inc. (2008-2016).

6. Set password and User name

The screenshot shows the 'Settings' page in the AWS RDS console. The left sidebar is the same as in the previous step. The main area is titled 'Settings' and includes the following settings:

- Multi-AZ Deployment:** No
- Storage Type:** General Purpose (SSD)
- Allocated Storage:** 5 GB

The same warning message about storage provisioning is present.

Below the storage settings, there are four input fields for configuration:

- DB Instance Identifier:** esbl
- Master Username:** kladu
- Master Password:** (masked with dots)
- Confirm Password:** (masked with dots)

A note on the right says: 'Retype the value you specified for Master Password.'

At the bottom, there is a 'Cancel' button and a 'Next Step' button. The footer is the same as in the previous step.

7. Configure advanced setting

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

Configure Advanced Settings

Network & Security

VPC: Default VPC (vpc-9da1e5f9)
Subnet Group: default
Publicly Accessible: Yes
Availability Zone: No Preference
VPC Security Group(s): Create new Security Group
default (VPC)
launch-wizard-1 (VPC)
launch-wizard-2 (VPC)

Database Options

Database Name: esblid
Database Port: 3306
DB Parameter Group: default.mysql5.6

Note: Specify a string of up to 64 alpha-numeric characters that define the name given to a database that Amazon RDS creates when it creates the DB instance, as in "mydb". If you do not specify a database name, Amazon RDS does not create a database when it creates the DB instance.

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8.

DB Parameter Group: default.mysql5.6
Option Group: default.mysql5.6
Copy Tags To Snapshots: ☐
Enable Encryption: No

Backup

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: 7 days
Backup Window: No Preference

Monitoring

Enable Enhanced Monitoring: No

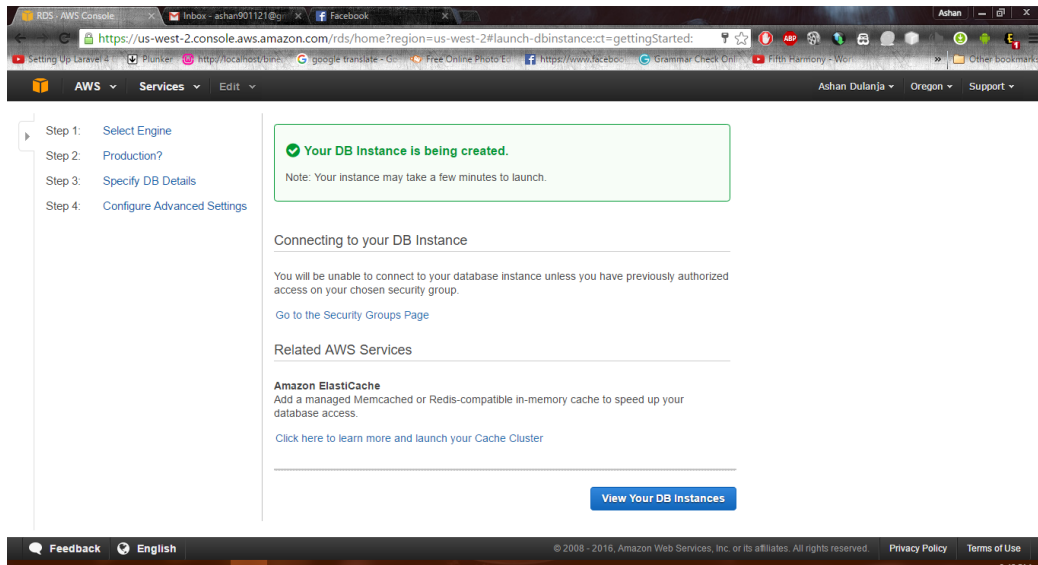
Maintenance

Auto Minor Version Upgrade: Yes
Maintenance Window: No Preference

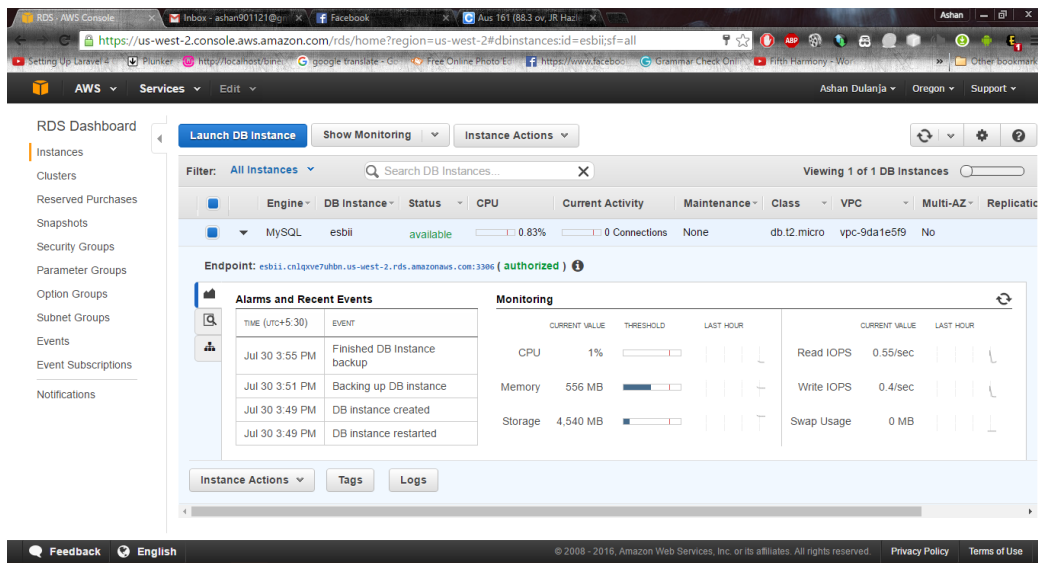
* Required Cancel Previous Launch DB Instance

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9. Instant created successfully



10. Created instant



11.

The screenshot shows the AWS RDS console with the 'Configuration Details' tab selected. The instance is named 'esbii' and is of class 'db.t2.micro'. It is a MySQL 5.6.19a instance with a General Public License. The instance was created on July 30, 2016, at 3:49:55 PM UTC+5:30. The DB Name is 'esbldb', the Username is 'kkladu', and the Option Group is 'default:mysql-5-6 (in-sync)'. The Parameter Group is 'default:mysql5.6 (in-sync)'. The instance is not publicly accessible and has a publicly accessible endpoint at 'esbii.cn1qxe7uhbn.us-west-2.rds.amazonaws.com' on port 3306. The instance is in the 'available' state and has a storage capacity of 5 GB. The instance is part of a Multi-AZ deployment with a standby instance in the same availability zone. The instance has a maintenance window of 'tue.07:48-tue:08:18' and a backup window of '11:53-12:23'. The instance is not encrypted and has no automated backups. The instance is not a snapshot and has no copy tags to snapshots. The instance is not a snapshot and has no copy tags to snapshots.

Configuration Details		Security and Network	
Engine	MySQL 5.6.19a	Availability Zone	us-west-2c
License Model	General Public License	VPC	vpc-9da1e5f9
Created Time	July 30, 2016 at 3:49:55 PM UTC+5:30	Subnet Group	default (Complete)
DB Name	esbldb	Subnets	subnet-a15cd0d7 subnet-49e63211 subnet-7882771c
Username	kkladu	Security Groups	rds-launch-wizard (sg-1d48157b) (active)
Option Group	default:mysql-5-6 (in-sync)	Publicly Accessible	Yes
Parameter Group	default:mysql5.6 (in-sync)	Endpoint	esbii.cn1qxe7uhbn.us-west-2.rds.amazonaws.com
Copy Tags To Snapshots	No	Port	3306
Resource ID	db-HYA45HEZEATFSSH7TG3IDUOCVI	Certificate Authority	rds-ca-2015 (Mar 5, 2020)

Instance and IOPS		Encryption Details		Availability and Durability		Maintenance Details	
Instance Class	db.t2.micro	Encryption Enabled	No	DB Instance Status	available	Auto Minor Version Upgrade	Yes
Storage Type	General Purpose (SSD)			Multi AZ	No	Maintenance Window	tue.07:48-tue:08:18
IOPS	disabled			Automated Backups	Enabled (7 Days)	Backup Window	11:53-12:23
Storage	5 GB			Latest Restore Time	July 30, 2016 at 3:55:00 PM	Pending Maintenance	None

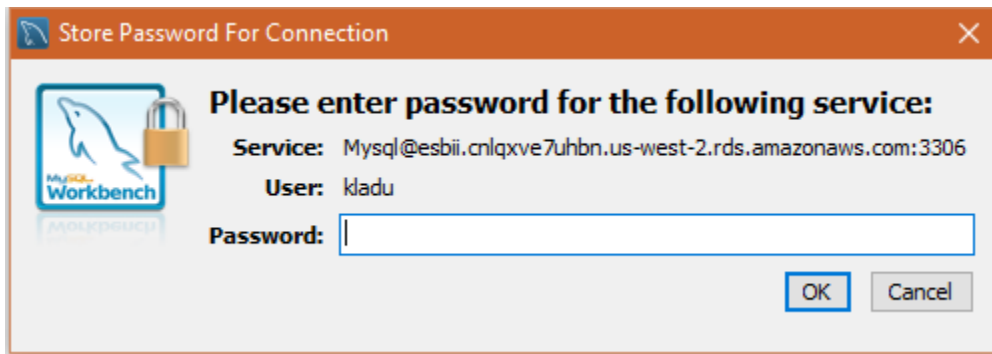
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Copy Tags To Snapshots	No	Port	3306
Resource ID	db-HYA45HEZEATFSSH7TG3IDUOCVI	Certificate Authority	rds-ca-2015 (Mar 5, 2020)

Instance and IOPS	
Instance Class	db.t2.micro
Storage Type	General Purpose (SSD)
IOPS	disabled
Storage	5 GB

13. Connect instant via workbench



14. Connected

