

Sri Lanka Institute of Information Technology



ESBP II

Year 4, Semester 2 – 2016

Lab Assignment 5

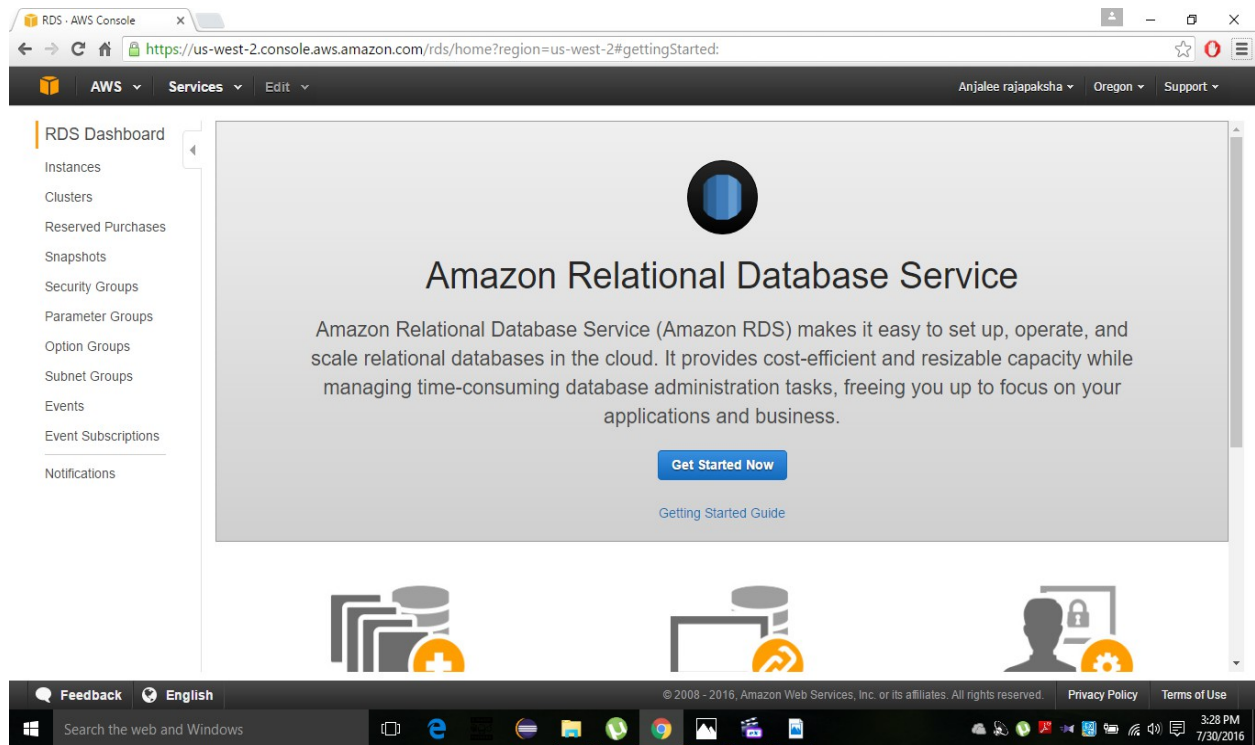
Installing MySQL in Cloud Amazon

Madushani R.P.A

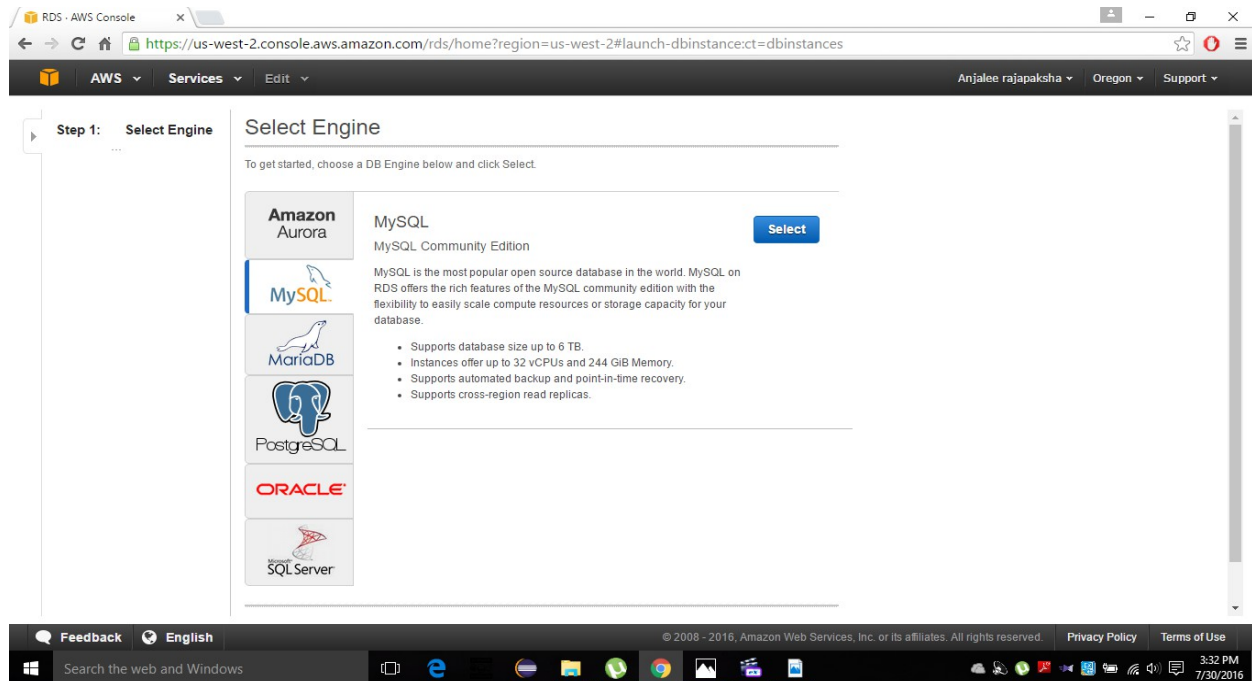
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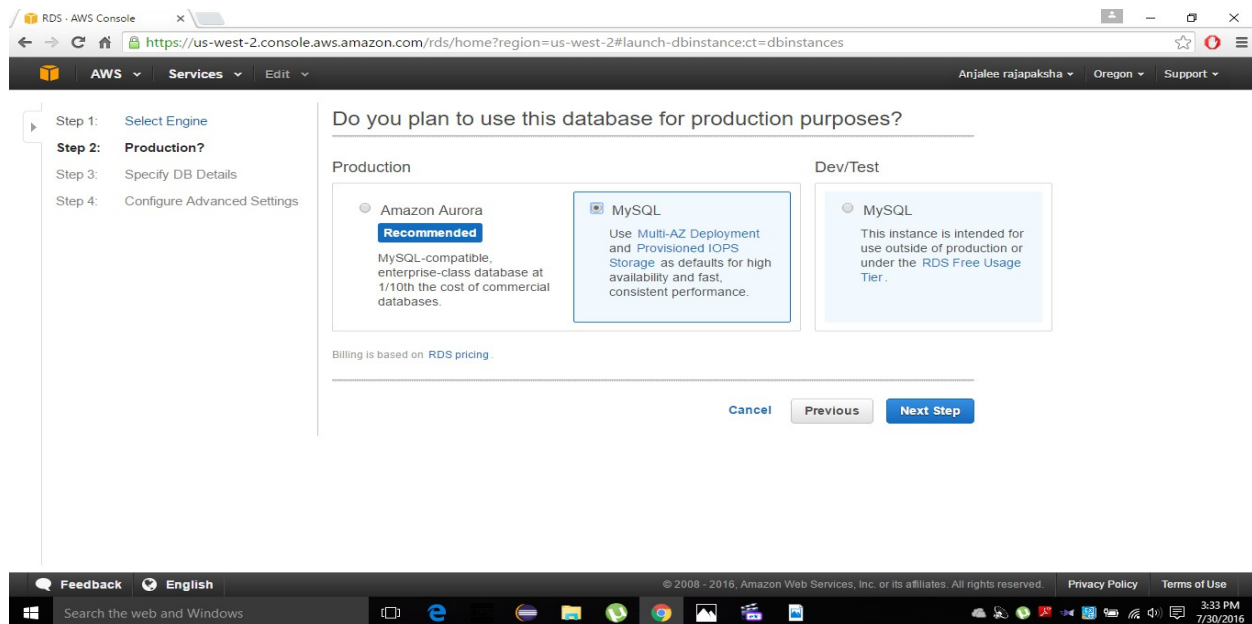
In AWS home select 'RDS' then click 'Instances'.



Click 'Launch DB Instance' & Select 'MySQL' and click



Select 'MySQL' in Production.



Select db.12.micro—1 vCPU, 1 GiB RAM, select No for Multi-AZ Deployment, Storage Type : General Purpose (SSD), Allocated Storage : 15 GB , Give a DB Instance Identifier any name and for Master Username any username.

RDS - AWS Console

https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#launch-dbinstance:ct=dbinstances

AW S Services Edit

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eligible for the free tier:

- DB Instance Class

You will be charged normal RDS Prices. [Learn More](#).

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

DB Instance Class: db.m3.xlarge — 4 vCPU, 15 GiB RAM

Multi-AZ Deployment: No

Storage Type: General Purpose (SSD)

Allocated Storage*: 5 GB

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*: AnjaliMySQL

Master Username*: anjali

Master Password*:

Confirm Password*:

Retype the value you specified for Master Password.

* Required

Cancel Previous Next Step

Feedback English

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Select 'No' in Enable Enhanced Monitoring.

RDS - AWS Console

https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#launch-dbinstance:ct=dbinstances

AW S Services Edit

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DB Parameter Group: default.mysql5.6

Option Group: default.mysql5-6

Copy Tags To Snapshots: ☐

Enable Encryption: No

current IP address (112.134.87.8) to connect to your instance will be created. This will make it easier for you to connect to the instance and configure it.

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

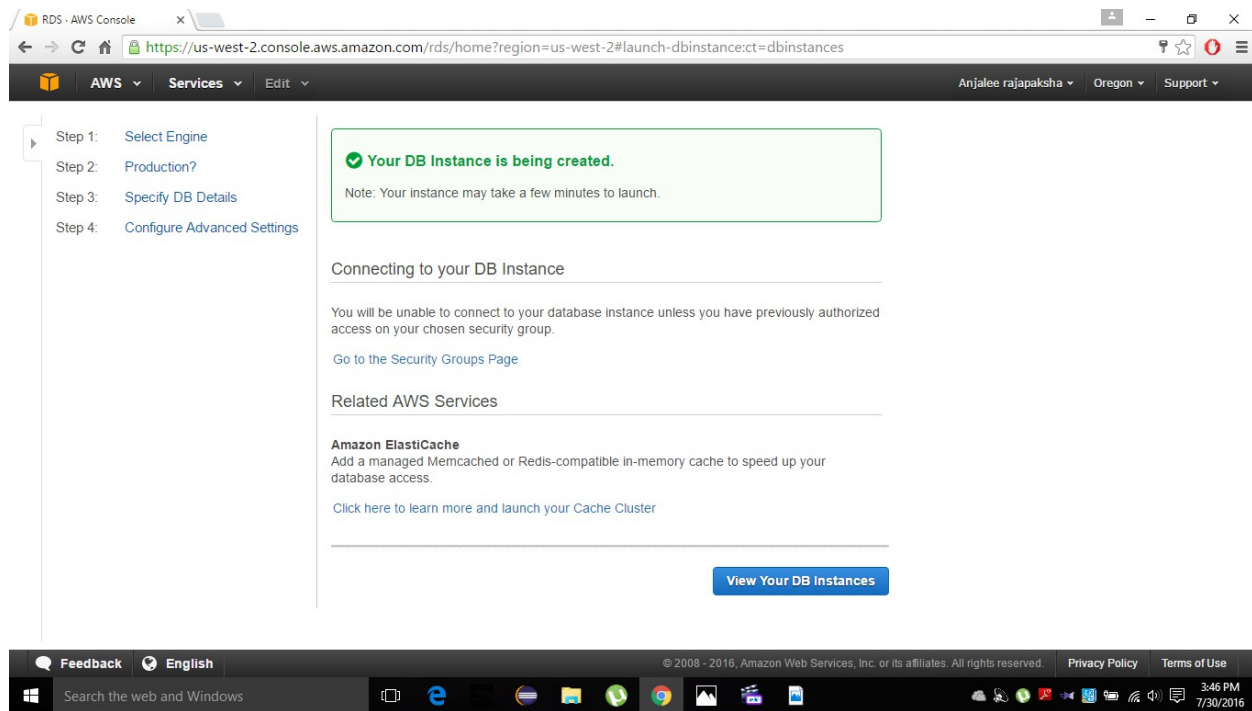
Cancel Previous Launch DB Instance

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Wait until the status become 'available' from 'creating'.

RDS - AWS Console

https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#dbinstances:id=AnjaliMySQL

AWS Services Edit

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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	Re
<input type="checkbox"/>	MySQL	anjalimysql	backing-up	0.46%	0 Connections	None	db.m3.xlarge	vpc-e00b7084	No	

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RDS - AWS Console

https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#dbinstances:id=AnjaliMySQL

AWS Services Edit

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RDS Dashboard

- Instances
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- 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	Replic
<input type="checkbox"/>	MySQL	anjalimysql	available	0.72%	0 Connections	None	db.m3.xlarge	vpc-e00b7084	No	

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Open xampp enable MySQL then select 'shell' and type `mysql -h end instance -P 3306 -u kalindugayan -p` and provide password previously you provided ,then press 'enter'. You can see the MySQL instance has created.

The screenshot displays the AWS RDS console interface. On the left, the 'RDS Dashboard' sidebar lists various resources like Instances, Clusters, and Snapshots. The main content area shows a list of DB instances, with 'anjalimysql' selected. Below the instance list, there's a section for 'Alarms and Recent Events' showing a timeline of events: 'Finished DB Instance backup', 'Backing up DB instance', 'DB instance created', and 'DB instance restarted'. To the right, a 'Monitoring' section displays metrics like CPU, Memory, Storage, Read IOPS, Write IOPS, and Swap Usage. Overlaid on the console is a terminal window titled 'XAMPP for Windows - mysql -h anjalimysql.cvhsfpc1bmno.us-west-2.rds.amazonaws.com -P 3306 -u anjalimysql -p'. The terminal shows the command prompt, the command to connect to the MySQL instance, and the successful connection message: 'Welcome to the MariaDB monitor. Commands end with ; or \g. Your MySQL connection id is 41. Server version: 5.6.27-log MySQL Community Server (GPL)'. The terminal also shows the prompt 'mysql [(none)]>'.

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