

Sri Lanka Institute of Information Technology

Enterprise Standards and Best Practices for IT Infrastructure

4th Year 2nd Semester 2016

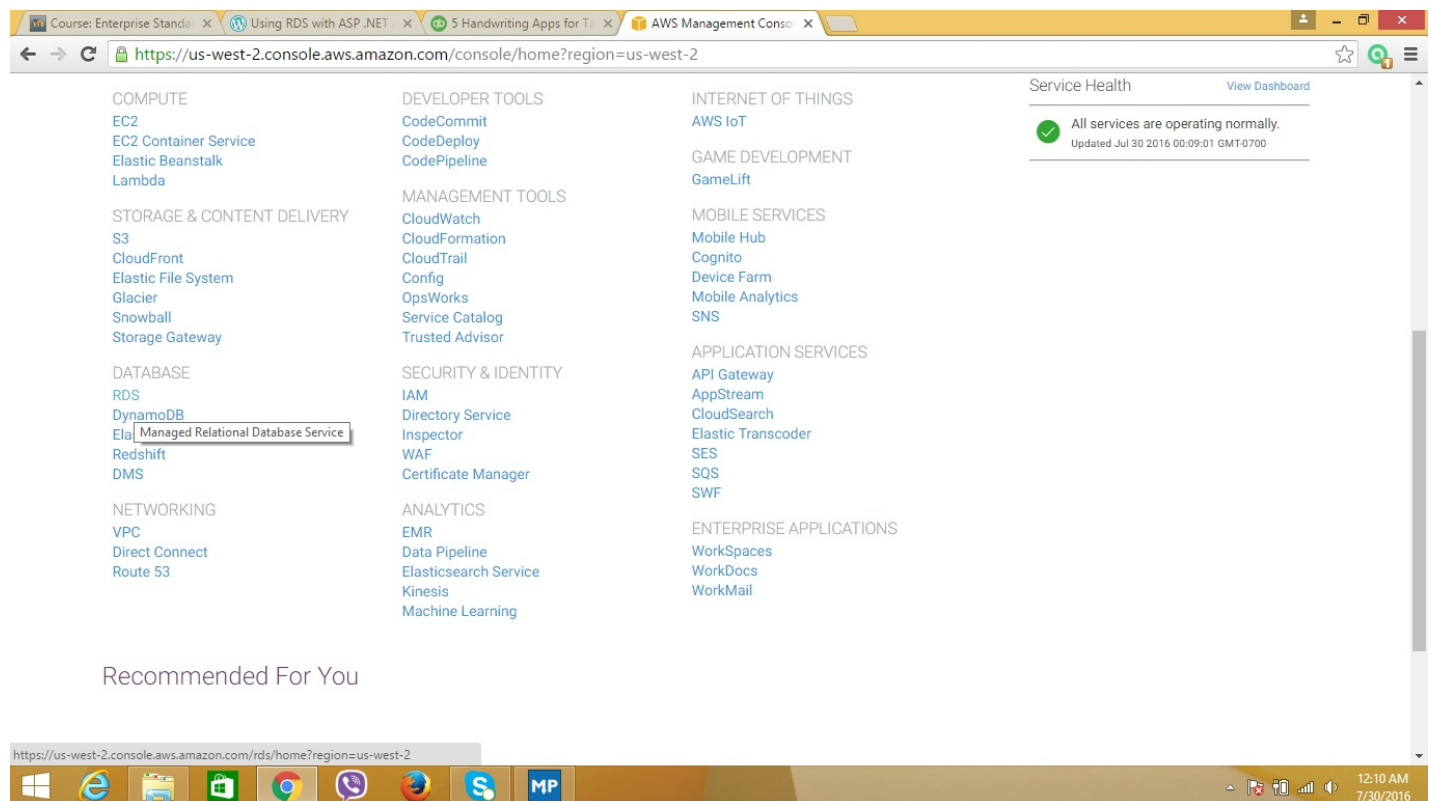
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IT Number - IT13018474

AWS RDS instance setup

step 1

Select RDS for create data base access



step 2

click "launch a DB instance" for create DB

Course: Enterprise Stand... X Using RDS with ASP.NET X 5 Handwriting Apps for T... X RDS - AWS Console X

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

AWS Services Edit IT13018474 Oregon Support

RDS Dashboard

- Instances
- Clusters
- Reserved Purchases
- Snapshots
- Security Groups
- Parameter Groups
- Option Groups
- Subnet Groups
- Events
- Event Subscriptions
- Notifications

Launch an Aurora DB Instance

Restore Aurora DB Cluster from S3

Resources

You are using the following Amazon RDS resources in the US West (Oregon) region (used/quota):

DB Instances (1/40)	Parameter Groups (1)
Allocated Storage (15.00 GB/100.00 TB)	Default (1)
Click here to increase DB instances limit	Custom (0/100)
Reserved DB Purchases (0/40)	Option Groups (1)
Snapshots (52)	Default (1)
Manual (0/50)	Custom (0/20)
Automated (52)	Subnet Groups (1/50)
Recent Events (2)	Supported Platforms VPC
Event Subscriptions (0/20)	Default Network vpc-6f37700b

Additional Information

- Getting Started with RDS
- Overview and Features
- Documentation
- Articles and Tutorials
- Data import guide for MySQL
- Data import guide for Oracle
- Data import guide for SQL Server
- Pricing
- Forums

Create Instance

Amazon Relational Database Service (RDS) makes it easy to set up, operate, and scale a relational database in the cloud.

Launch a DB Instance

Note: Your DB Instances will launch in the US West (Oregon) region:

Service Health

Related Services

Amazon ElastiCache
Add a managed Redis or Memcached-compatible in-memory cache to speed up your database access.
[Click here to learn more and launch your Cache Cluster](#)

Service Messages

[New RDS Feature Announcements](#)

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step 3

Select My SQL community edition

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

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Step 1: Select Engine

Select Engine

To get started, choose a DB Engine below and click Select.

Amazon Aurora

MySQL

MariaDB

PostgreSQL

ORACLE

Microsoft SQL Server

MySQL

MySQL Community Edition

MySQL is the most popular open source database in the world. MySQL on RDS offers the rich features of the MySQL community edition with the flexibility to easily scale compute resources or storage capacity for your database.

- Supports database size up to 6 TB.
- Instances offer up to 32 vCPUs and 244 GiB Memory.
- Supports automated backup and point-in-time recovery.
- Supports cross-region read replicas.

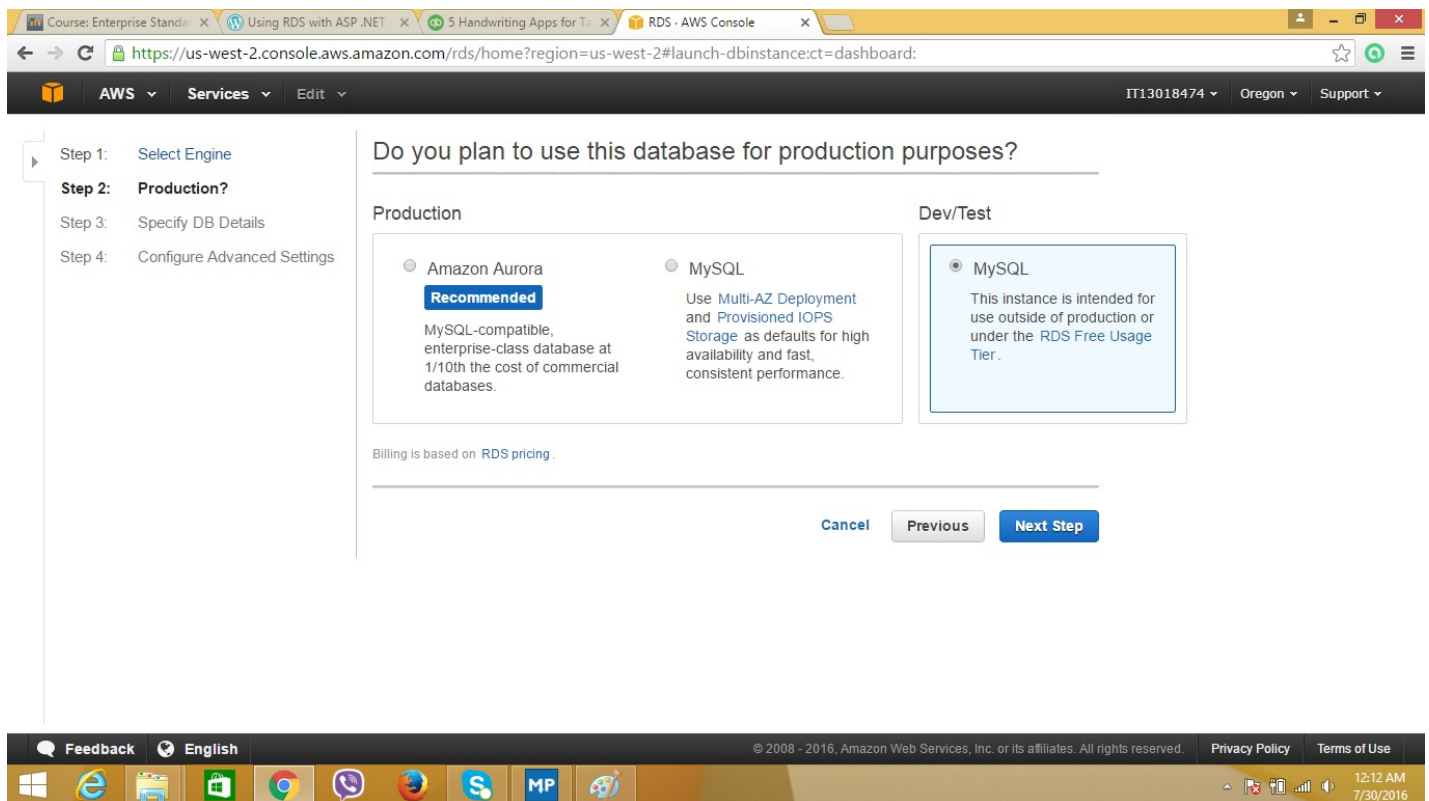
Select

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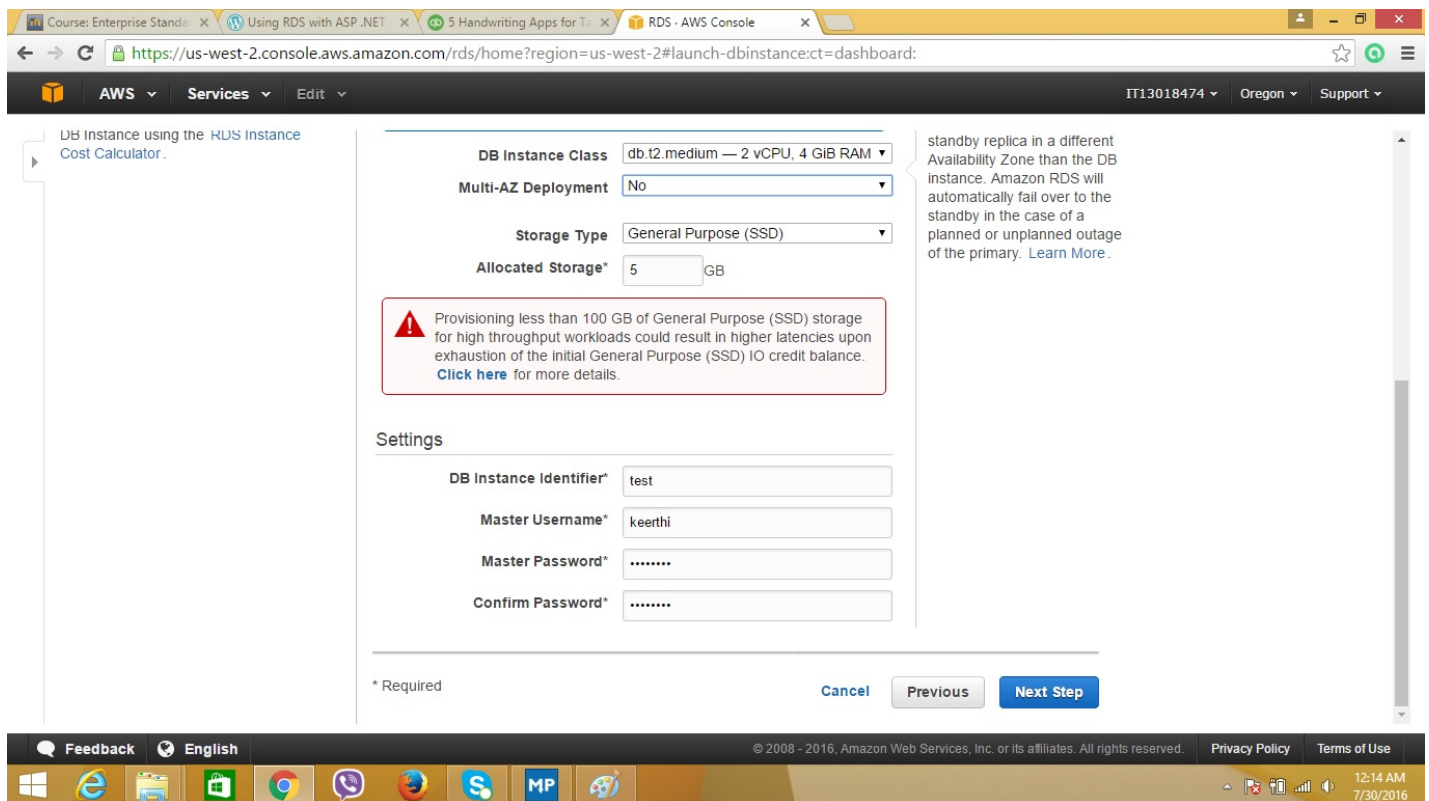
step 4

select "This instance is intended for use outside of production or under the RDS Free Usage Tier."



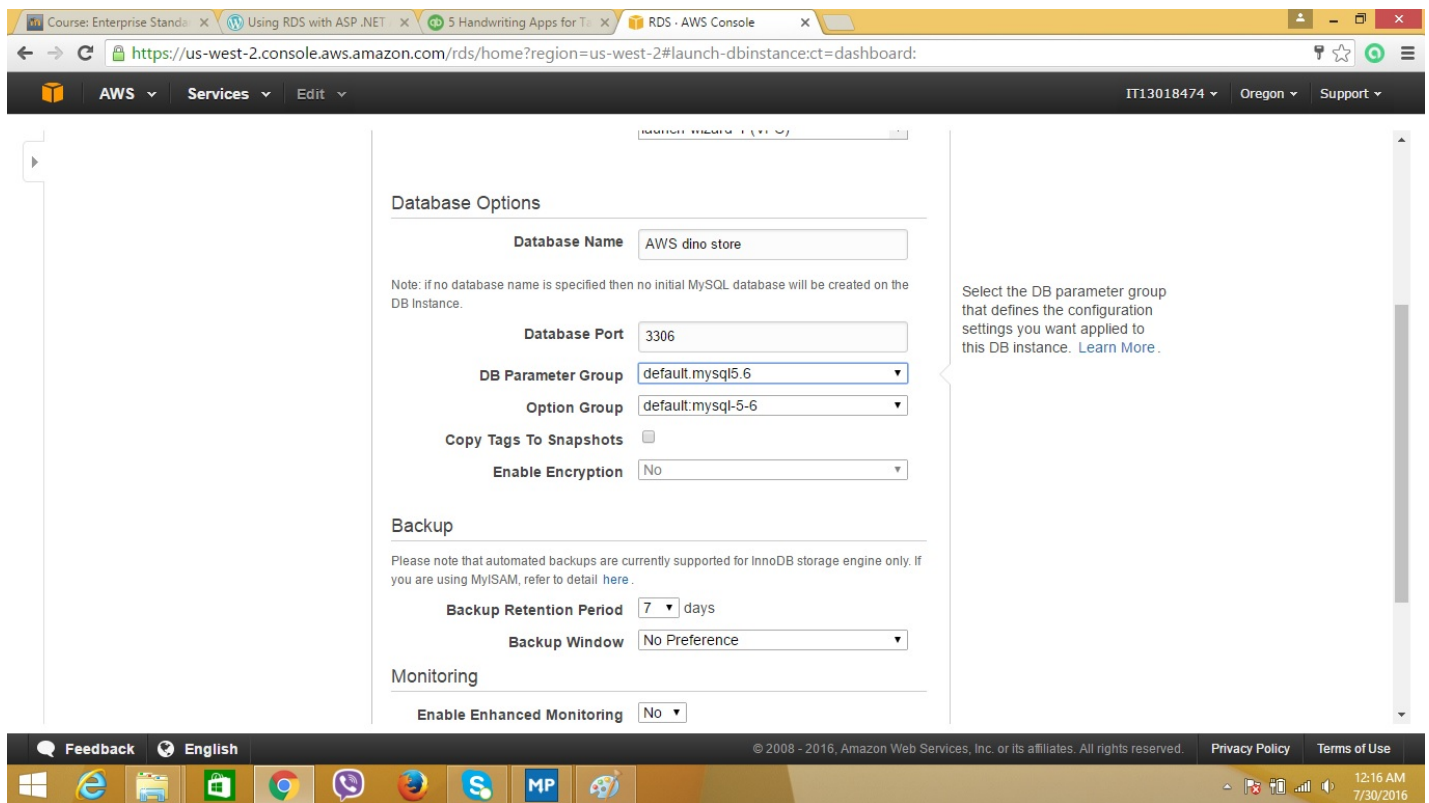
step 5

Fill the appropriate text with correct data



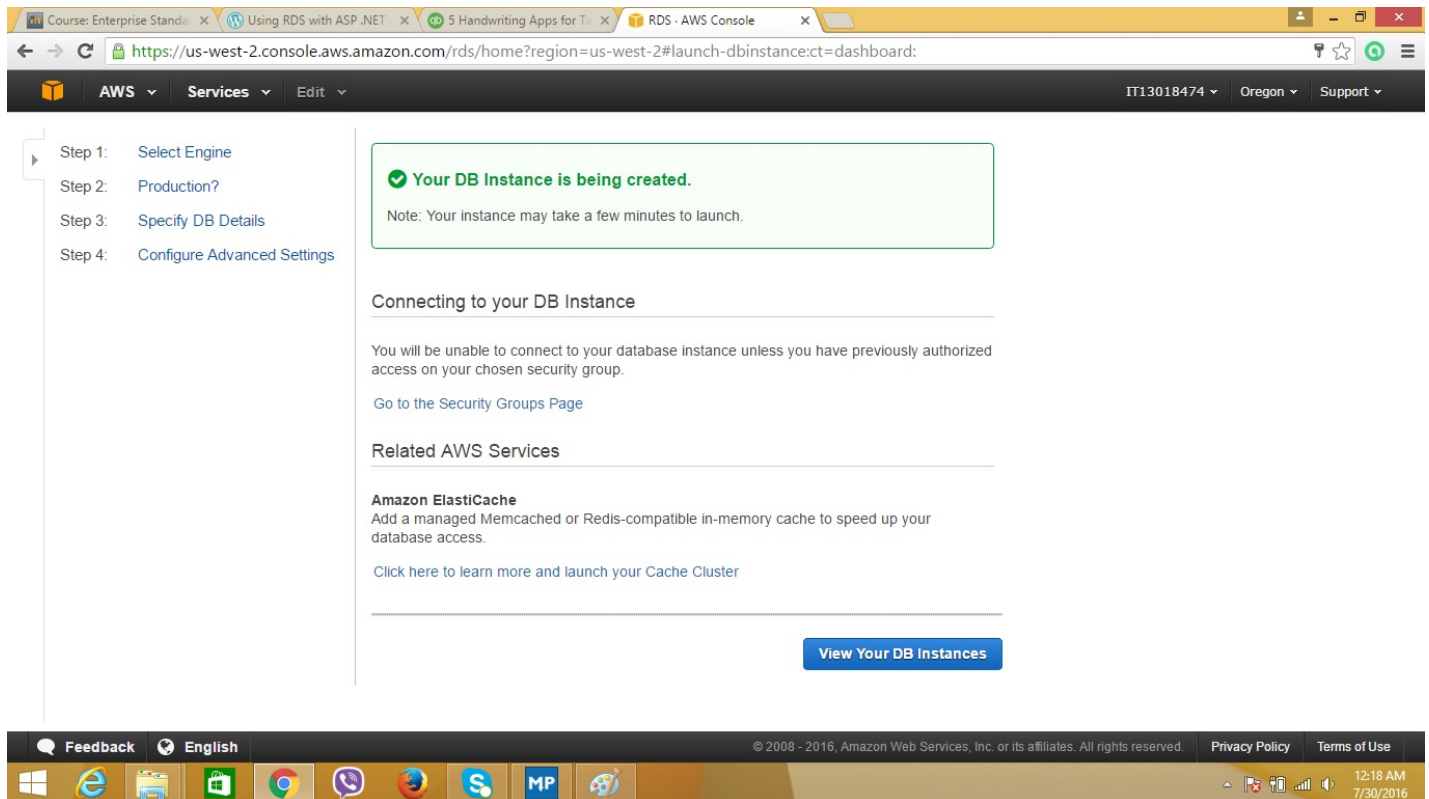
step 6

After the previous step we will see this and fill again it with correct data



step 7

Show message your db instance has created, if you gave the correct info.



step 8

we can see the db instance with the name of we created "test123"

RDS Dashboard

Launch DB Instance Show Monitoring Instance Actions

Filter: All Instances Search DB Instances... Viewing 2 of 2 DB Instances

	Engine	DB Instance	Status	CPU	Current Activity	Maintenance	Class	VPC	Multi-AZ	Repl
<input type="checkbox"/>	MySQL	test	available	0.50%	0 Connections	None	db.t2.medium	vpc-6f37700b	No	
<input checked="" type="checkbox"/>	MySQL	test123	available	0.85%	0 Connections	None	db.t2.medium	vpc-6f37700b	No	

Endpoint: test123.cjkhcmhivisj.us-west-2.rds.amazonaws.com:3306 (authorized)

Alarms and Recent Events

TIME (UTC-7)	EVENT
Jul 30 12:24 AM	Backing up DB instance
Jul 30 12:22 AM	DB instance created
Jul 30 12:22 AM	DB instance restarted

Monitoring

	CURRENT VALUE	THRESHOLD	LAST HOUR		CURRENT VALUE	LAST HOUR
CPU	0.9%			Read IOPS	0/sec	
Memory	3,280 MB			Write IOPS	0.4/sec	
Storage	4,540 MB			Swap Usage	0 MB	

Instance Actions Tags Logs

step 9

we can show the instance information that we created earlier

RDS Dashboard

DB Instances > test123

Details Recent Events & Logs

Endpoint: test123.cjkhcmhivisj.us-west-2.rds.amazonaws.com:3306 (authorized)

Configuration Details

Engine	MySQL 5.6.27
License Model	General Public License
Created Time	July 30, 2016 at 12:22:59 AM UTC-7
DB Name	AWSdinstore
Username	keerthi
Option Group	default:mysql-5-6 (in-sync)
Parameter Group	default:mysql5.6 (in-sync)
Copy Tags To Snapshots	No
Resource ID	db-V2AJZYU7RNZIPOBMJGSKMG2QNU

Security and Network

Availability Zone	us-west-2c
VPC	vpc-6f37700b
Subnet Group	default (Complete)
Subnets	subnet-700a7e14 subnet-2ddf505b subnet-7674a02e
Security Groups	rds-launch-wizard-1 (sg-86015ce0) (active)
Publicly Accessible	Yes
Endpoint	test123.cjkhcmhivisj.us-west-2.rds.amazonaws.com
Port	3306
Certificate Authority	rds-ca-2015 (Mar 5, 2020)

Instance and IOPS

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

Encryption Details Availability and Durability Maintenance Details

step 10

Next, open MySQL workbench which is installed in your system already and create new database connection to connect the cloud database. Now successfully we have connected the cloud database and below are screens for the same

