

ESBII

Assignment AWS

N.Senthuran

IT13030018

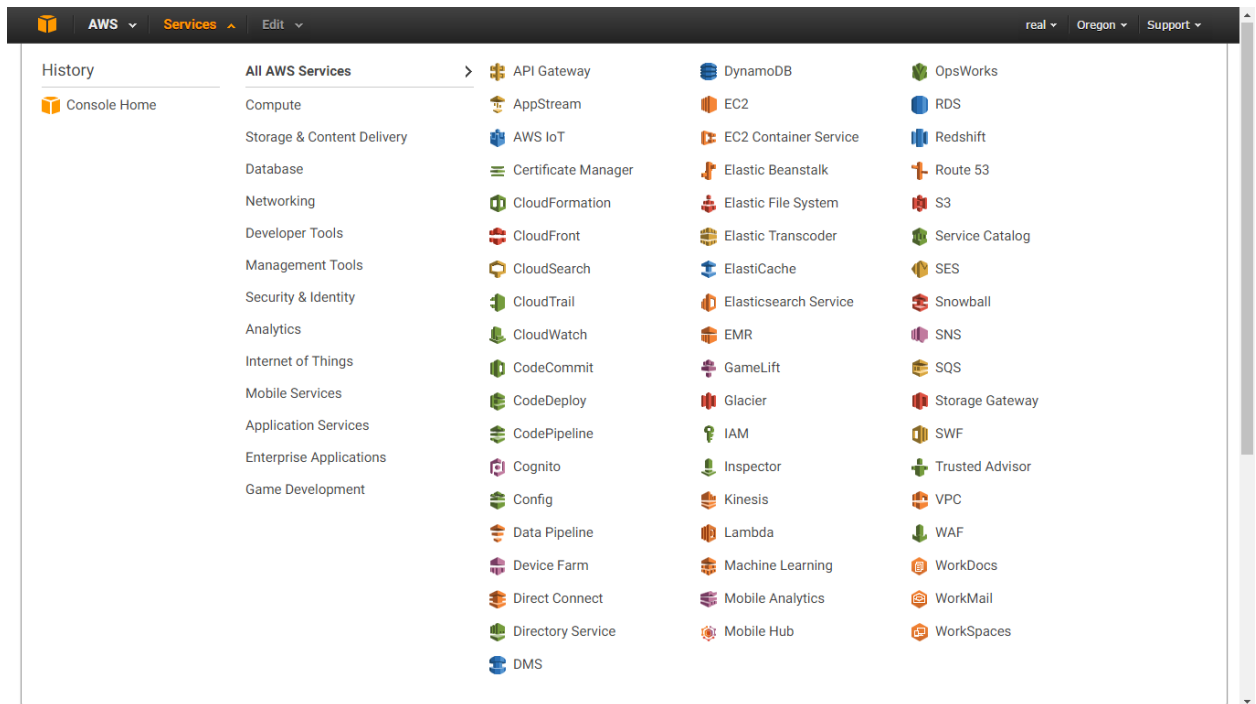
CSN'13

Sri Lanka Institute of Information
Technology

Create Mysql database instance in AWS:

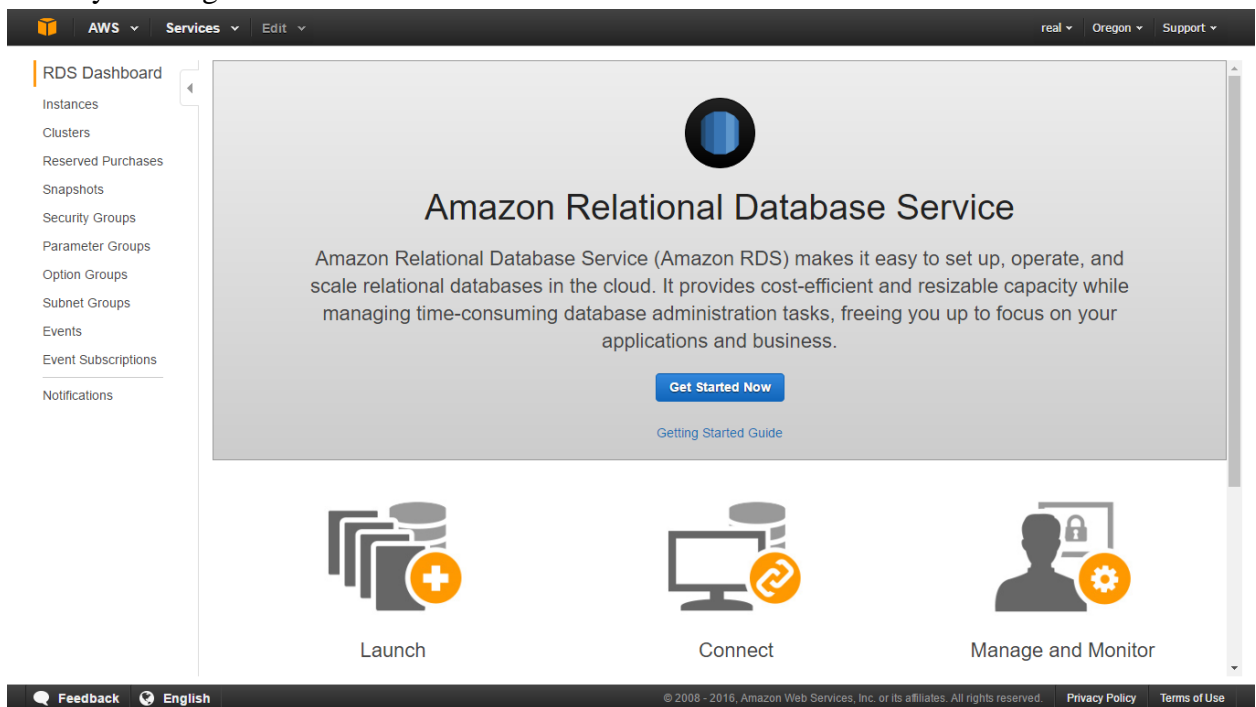
- Logging to AWS console by using the like <https://aws.amazon.com>

The image shows two screenshots of the AWS ecosystem. The top screenshot is the AWS website homepage, featuring a dark header with navigation links like 'Menu', 'Products', 'Solutions', 'Pricing', and 'More'. A large banner promotes the 'AWS Summit new york city' on August 11 at 10:00 AM ET. Below the banner are four featured cards: 'GETTING STARTED' (Learn how to start using AWS in minutes), 'AWS PRICING' (Optimize your spend for both variable or fixed loads), 'AWS FREE TIER' (Gain hands-on experience with AWS free for 12 months), and 'AWS SUMMIT LIVESTREAM' (Signup to watch the Keynote Livestream on August 11 at 10:00 AM ET). The bottom screenshot is the AWS Management Console, showing a 'Quick Starts' section with tasks like 'Build a web app', 'Launch a Virtual Machine (EC2 Instance)', 'Back up your files', 'Build a backend for your mobile app', 'Host a static website', and 'Analyze big data'. Below this is a comprehensive list of 'AWS Services' categorized into Compute, Developer Tools, Internet of Things, Game Development, Mobile Services, Application Services, Enterprise Applications, Storage & Content Delivery, Management Tools, Security & Identity, Analytics, Database, and Networking. On the right side of the console, there are sections for 'GETTING STARTED', 'AWS CONSOLE MOBILE APP', 'AWS MARKETPLACE', 'FEEDBACK', and 'Service Health', which indicates that all services are operating normally as of August 04, 2016.



Click RDS on dashboard

➤ Start by clicking Get Started Now



➤ Select Mysql

The screenshot shows the 'Select Engine' step in the AWS Management Console. The left sidebar indicates 'Step 1: Select Engine'. The main content area is titled 'Select Engine' and includes the instruction: 'To get started, choose a DB Engine below and click Select.' A vertical list of database engines is on the left: Amazon Aurora, MySQL, MariaDB, PostgreSQL, ORACLE, and Microsoft SQL Server. The 'MySQL' option is highlighted. To the right of the MySQL logo, the text reads 'MySQL MySQL Community Edition' with a 'Select' button. Below this, a description states: '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.' A bulleted list of features follows: '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', and 'Supports cross-region read replicas.' A 'Cancel' button is at the bottom right of the main content area. The footer contains 'Feedback', 'English', copyright information, and links to 'Privacy Policy' and 'Terms of Use'.

➤ Select Mysql Dev/Test and click Next

The screenshot shows the 'Production?' step in the AWS Management Console. The left sidebar indicates 'Step 2: Production?'. The main content area is titled 'Do you plan to use this database for production purposes?'. It features two columns: 'Production' and 'Dev/Test'. In the 'Production' column, 'Amazon Aurora' is marked as 'Recommended' with a blue badge, and 'MySQL' is also listed. In the 'Dev/Test' column, 'MySQL' is selected with a radio button. A description for the Dev/Test MySQL option states: 'This instance is intended for use outside of production or under the RDS Free Usage Tier.' At the bottom, there is a 'Billing is based on RDS pricing' link. Navigation buttons at the bottom right include 'Cancel', 'Previous', and 'Next Step'. The footer is identical to the previous screenshot.

➤ Configure Database

Feedback

English

AWS

Services

Edit

real

Oregon

Support

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

DB Engine Version

5.6.27

Review the [Known Issues/Limitations](#) to learn about potential compatibility issues with specific database versions.

DB Instance Class

- Select One -

Multi-AZ Deployment

- Select One -

Storage Type

- Select One -

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*

realDB

Master Username*

real

Master Password*

.....

Confirm Password*

.....

Retype the value you specified for Master Password.

* Required

Cancel

Previous

Next Step

Feedback

English

© 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Privacy Policy

Terms of Use

Feedback

English

AWS

Services

Edit

real

Oregon

Support

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-aa451ace)

Subnet Group

default

Publicly Accessible

Yes

Availability Zone

us-west-2a

VPC Security Group(s)

Create new Security Group

default (VPC)

launch-wizard-1 (VPC)

Database Options

Database Name

my-DB

Note: If no database name is specified then no initial MySQL database will be created on the DB Instance.

Database Port

3306

DB Parameter Group

default.mysql5.6

Option Group

default.mysql5-5.6

Copy Tags To Snapshots

☐

Enable Encryption

No

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.

Feedback

English

© 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Privacy Policy

Terms of Use

AWS

Services

Edit

realOregonSupport

Database Name

my-DB

Note: If no database name is specified then no initial MySQL database will be created on the DB Instance.

Database Port

3306

DB Parameter Group

default.mysql5.6

Option Group

default.mysql-5-6

Copy Tags To Snapshots

☐

Enable Encryption

No

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.

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

Feedback

English

© 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Privacy Policy

Terms of Use

AWS

Services

Edit

realOregonSupport

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

Feedback

English

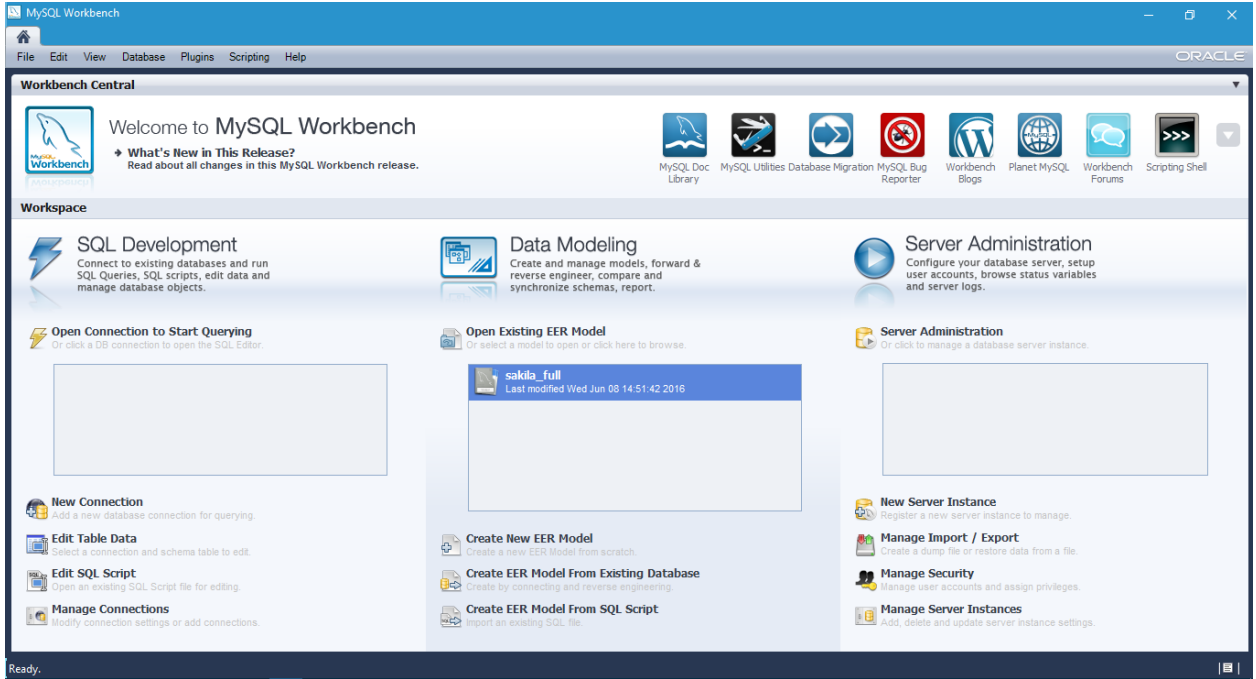
© 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Privacy Policy

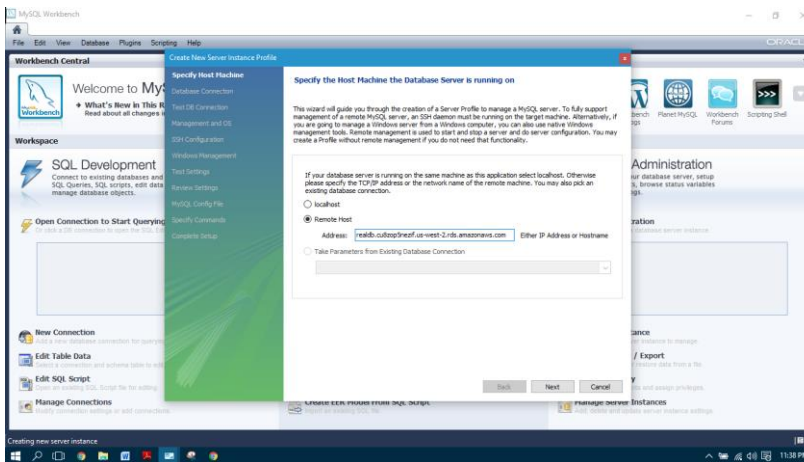
Terms of Use

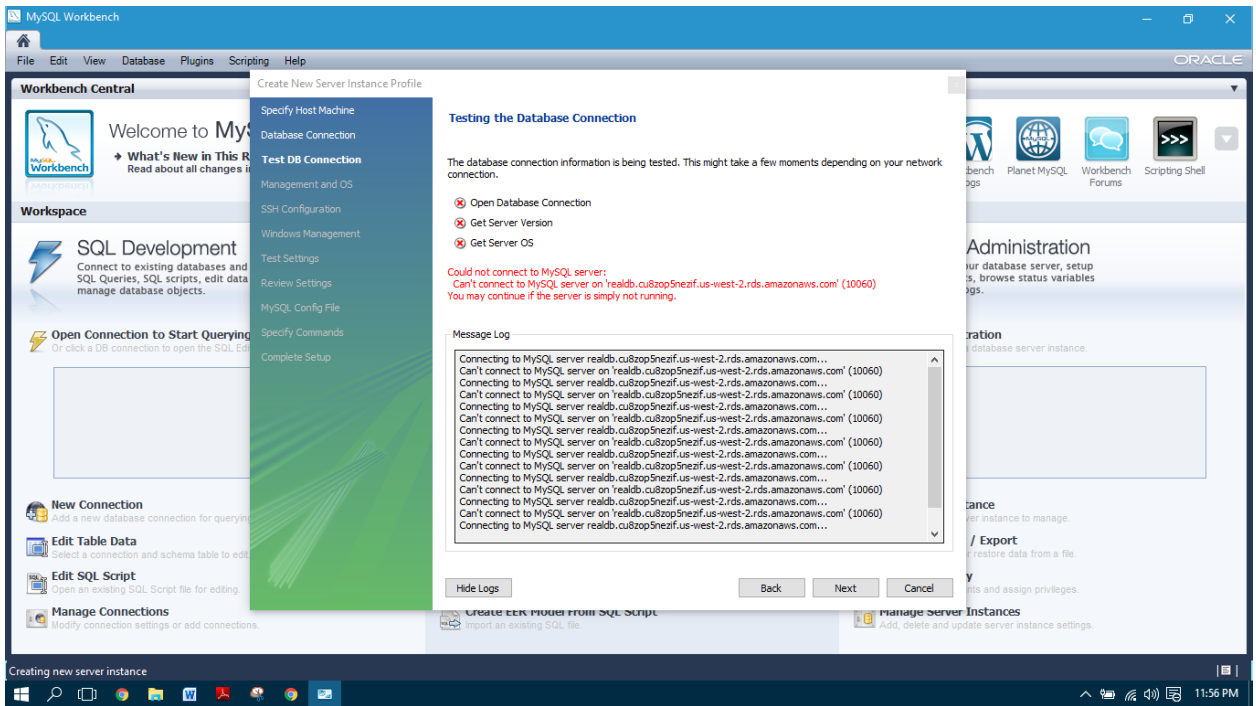
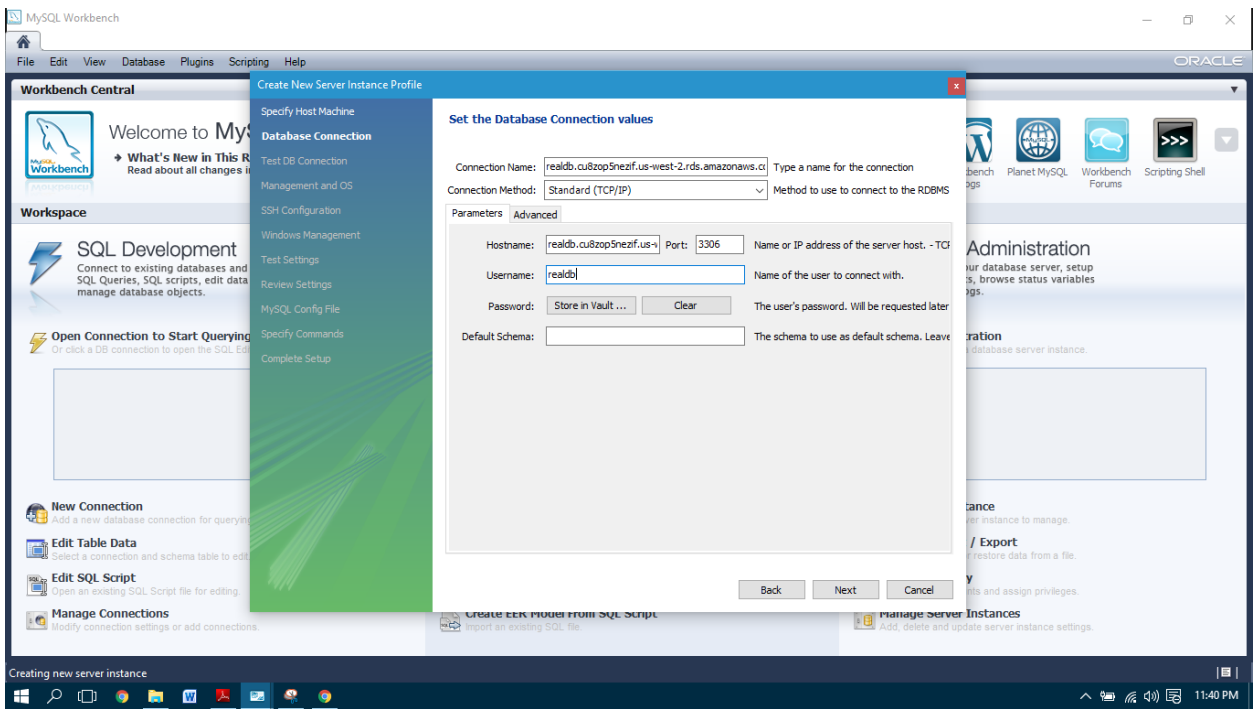
Connect AWS Mysql database instance in Mysql workbench:

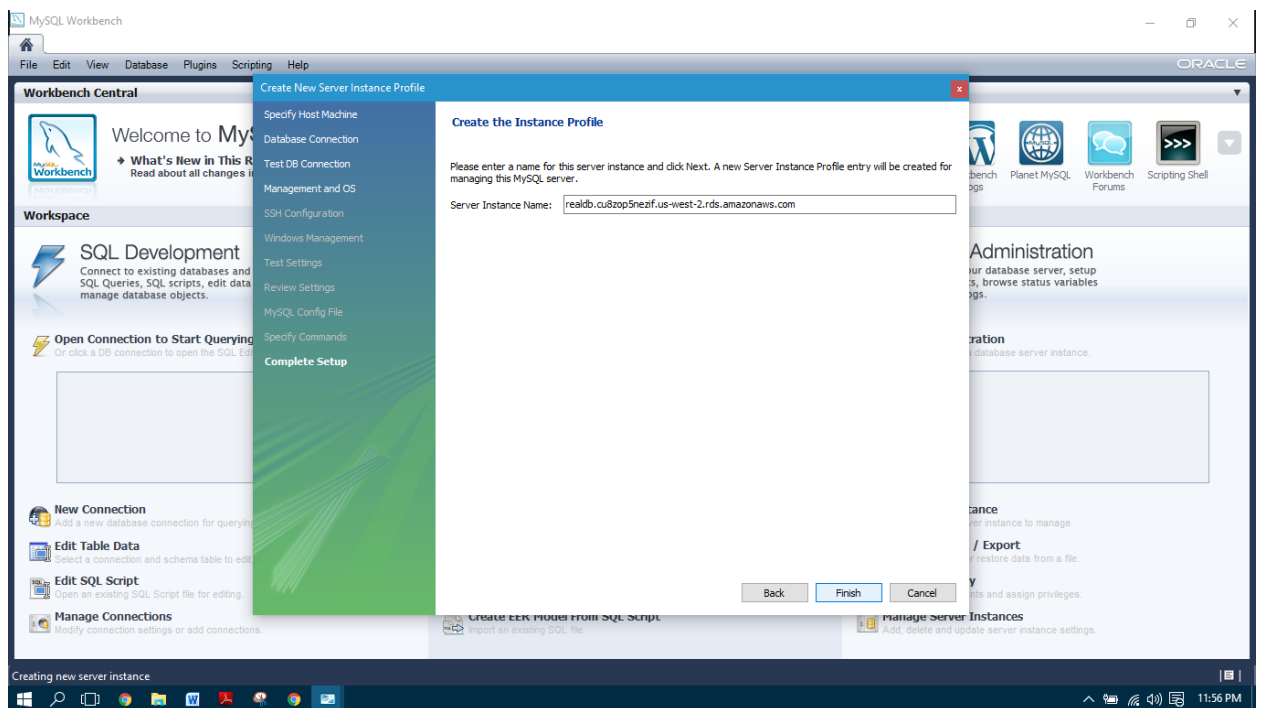
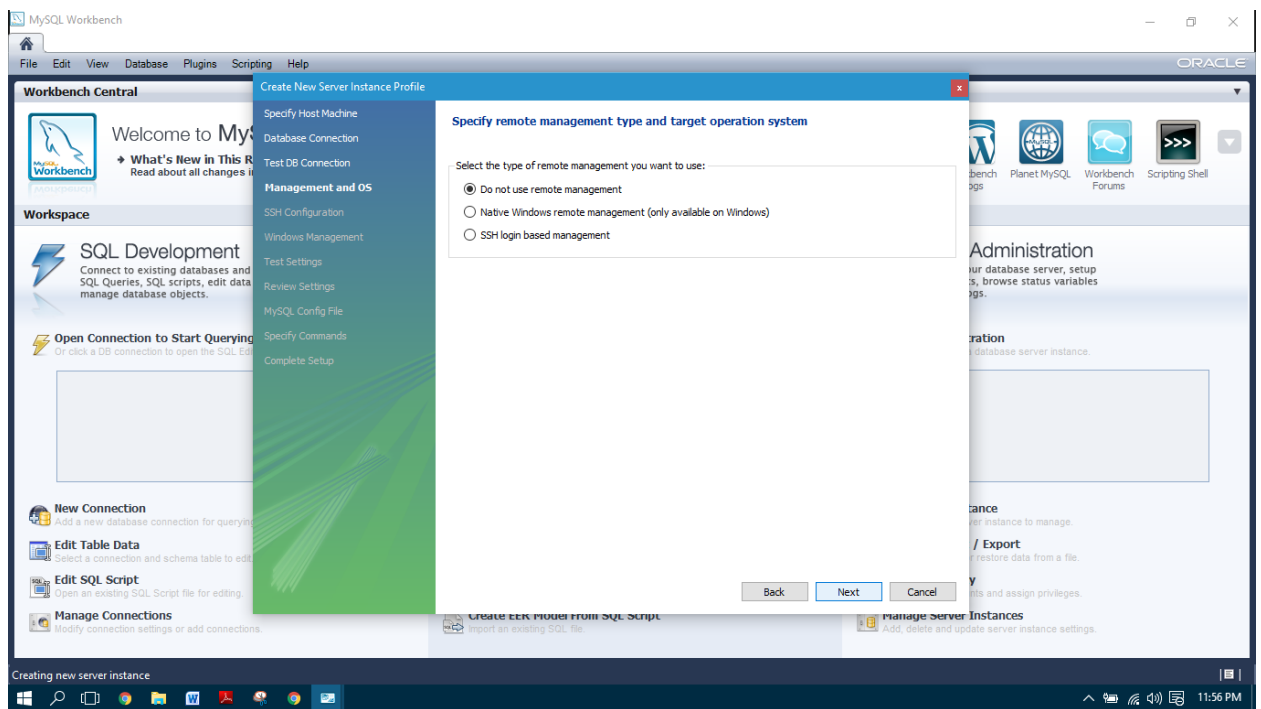
- Open mysql workbench and click new server instance



- Enter remote host IP address







- Now you can access mysql by clicking server administrator in mysql workbench

