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: WE Tuesday

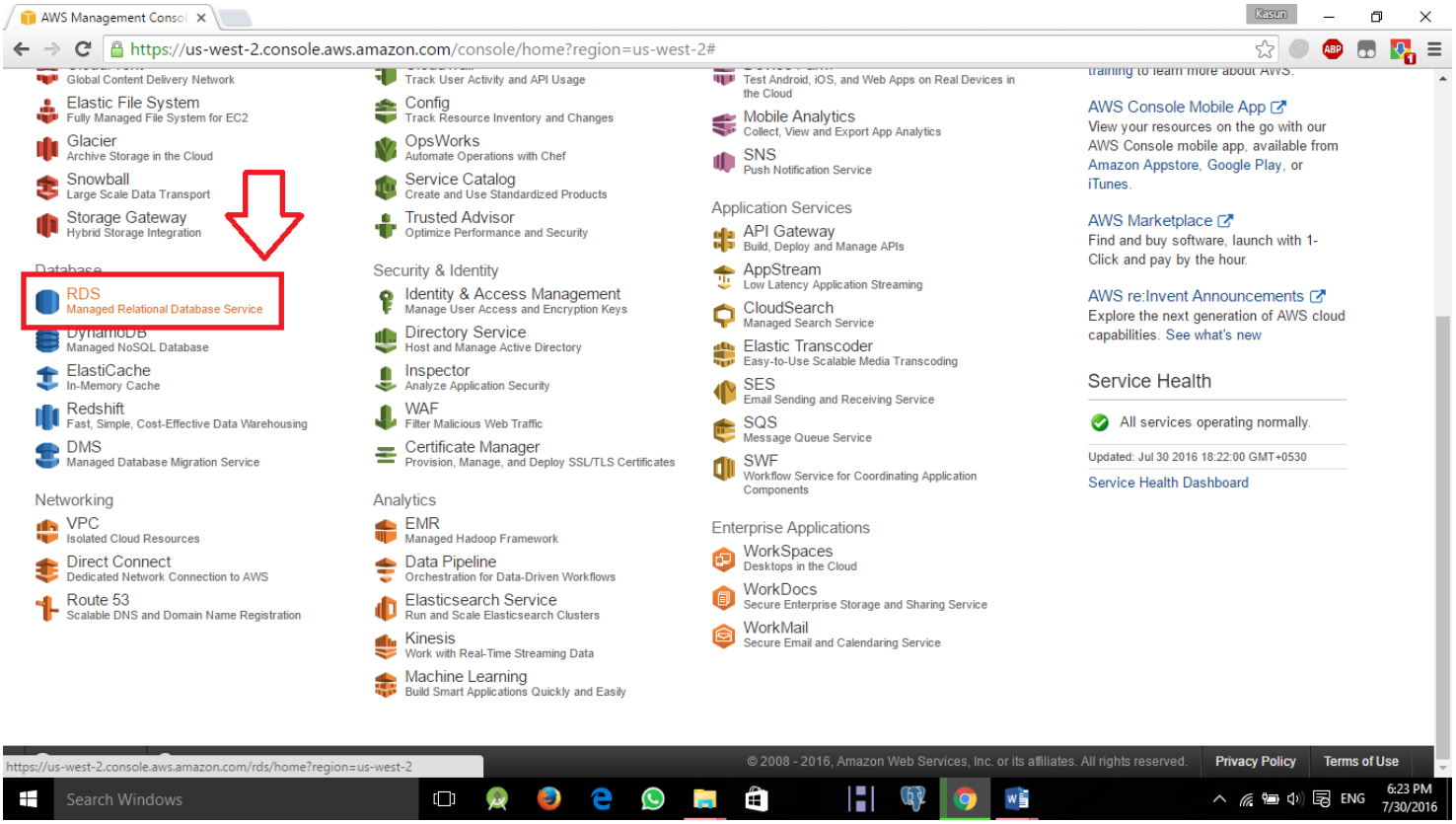
Practical Number : Lab 03

Date of Submission: 2016/07/30

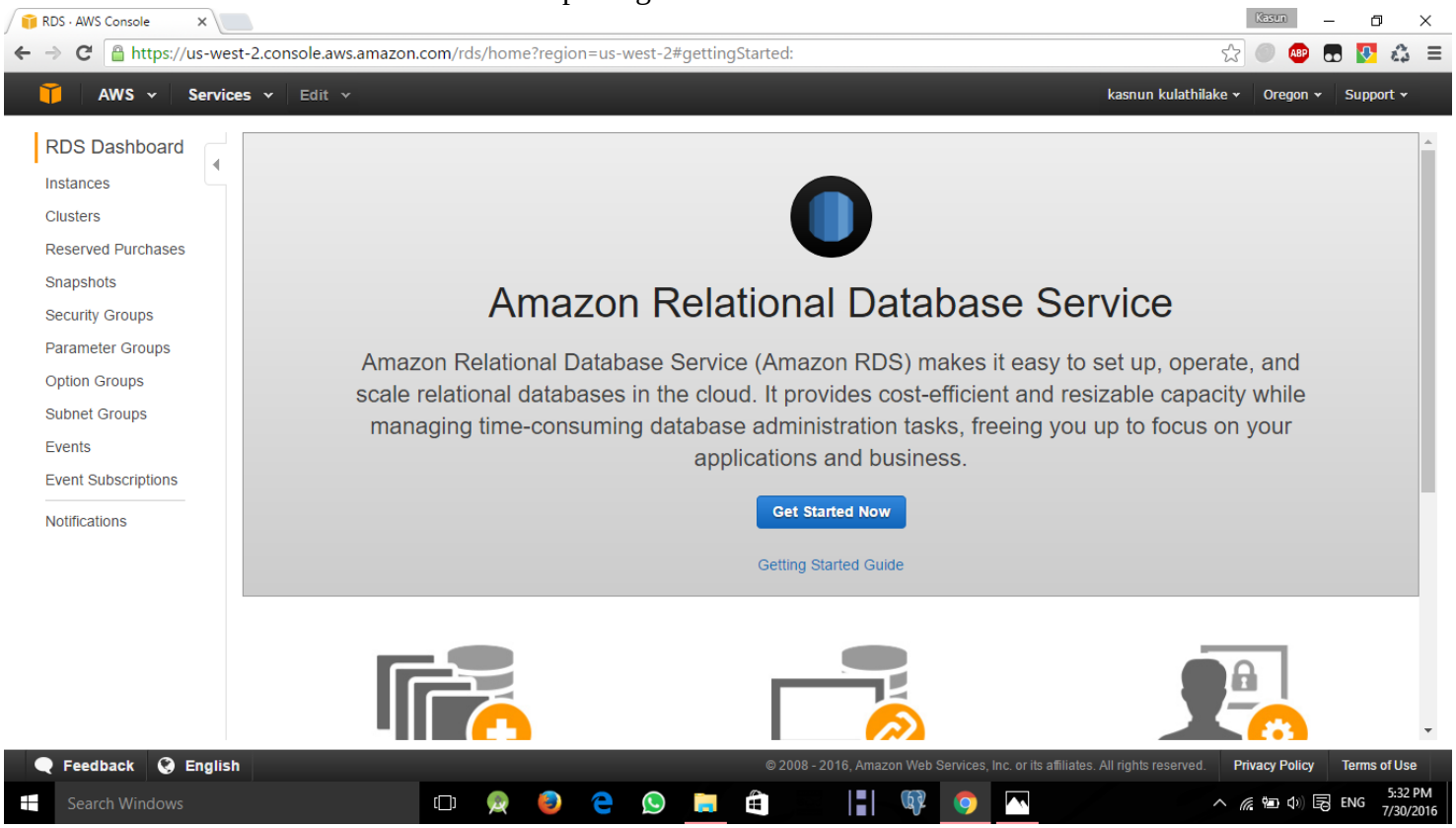
Creating a MySQL DB Instance

Steps

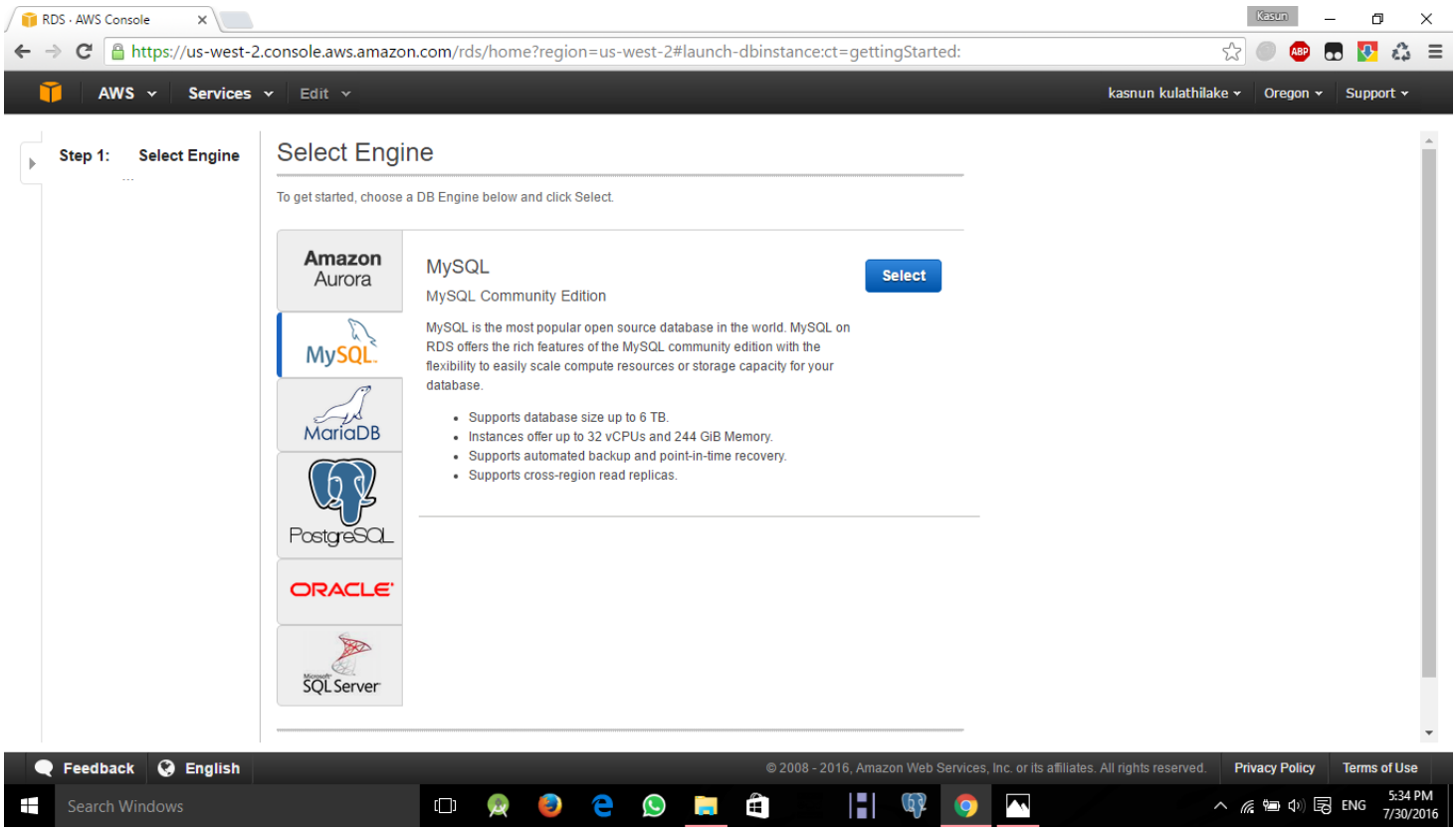
1. Open the Amazon RDS AWS Console



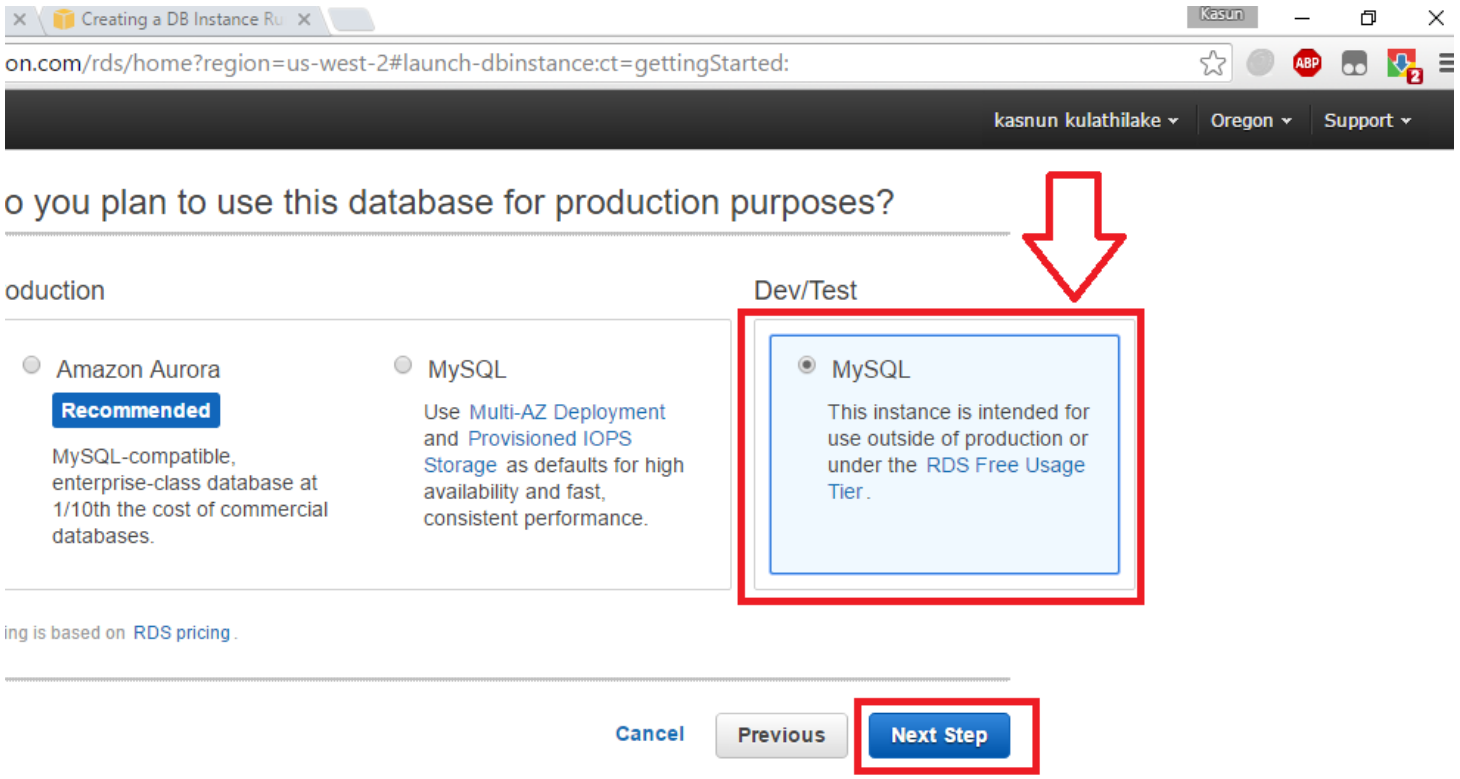
2. From the RDS dashboard .press get started now button.



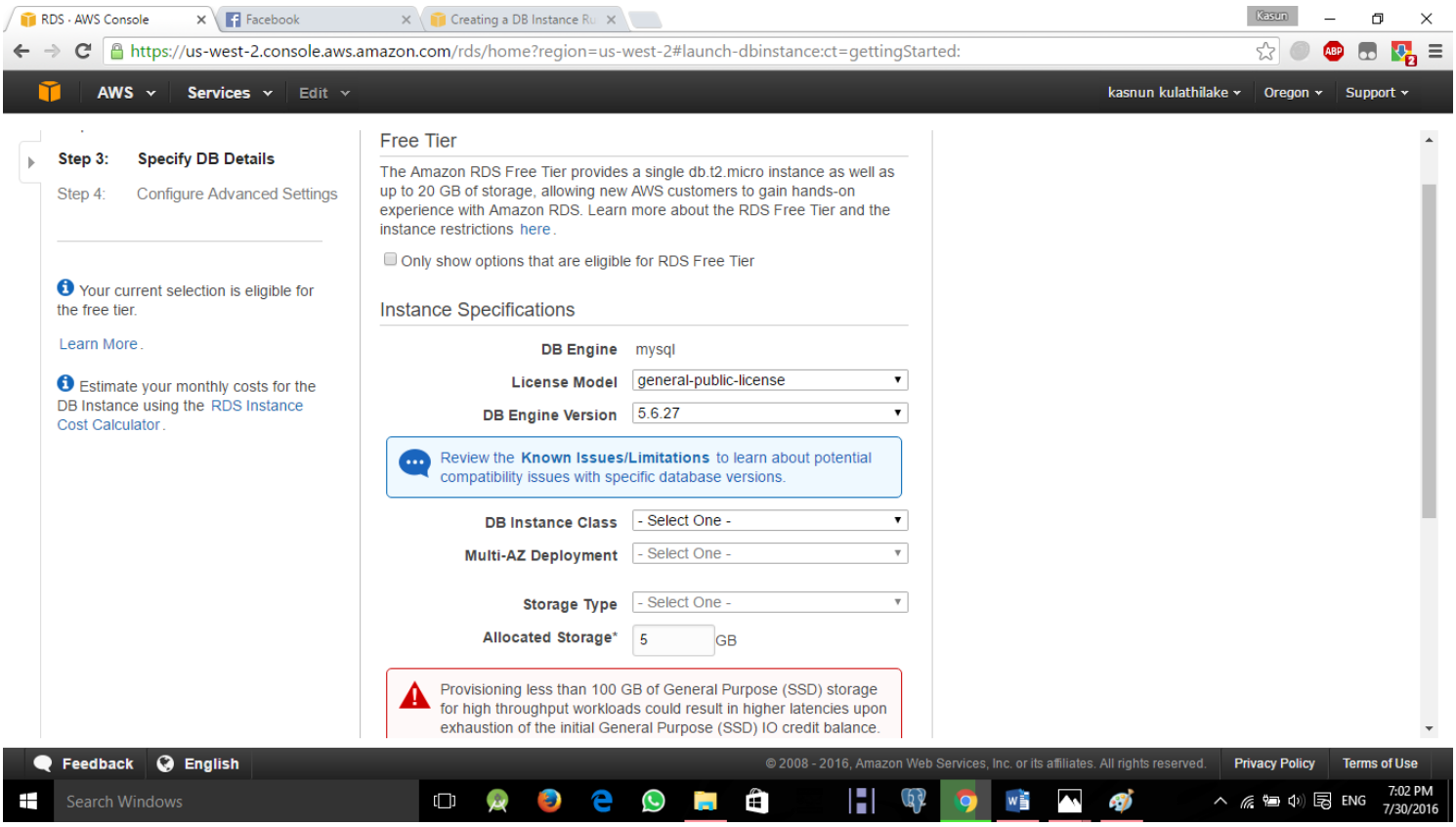
3. In the **Launch DB Instance Wizard** window, click the **Select** button for the MySQL DB engine.



4. For database plan select dev/test MYSQL this is under the RDS free usage tier and press next step button.

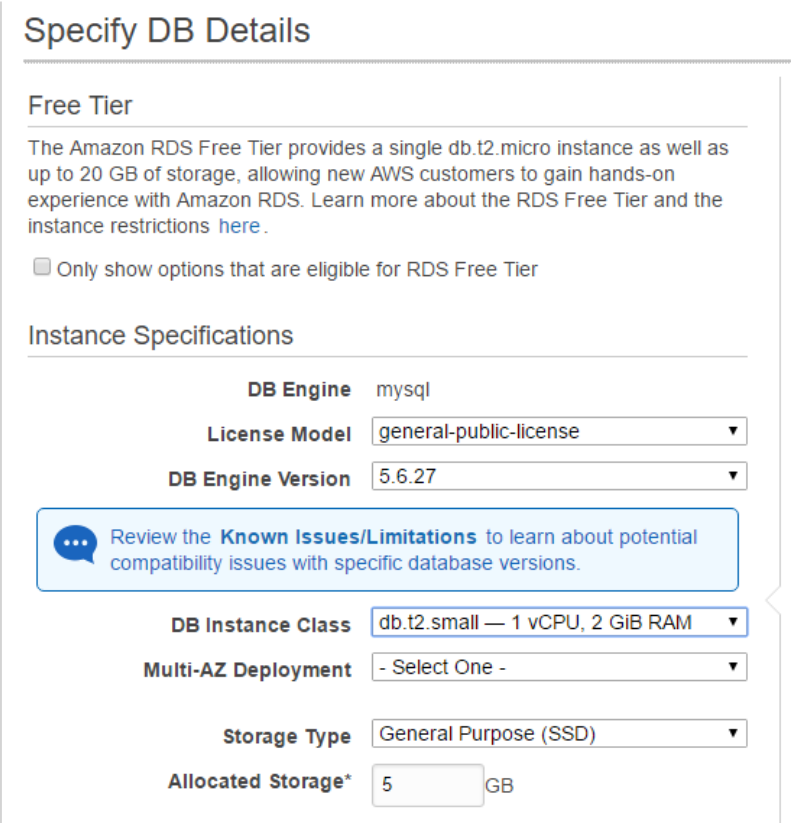


5. On the Specify DB Details page, specify your DB instance information.

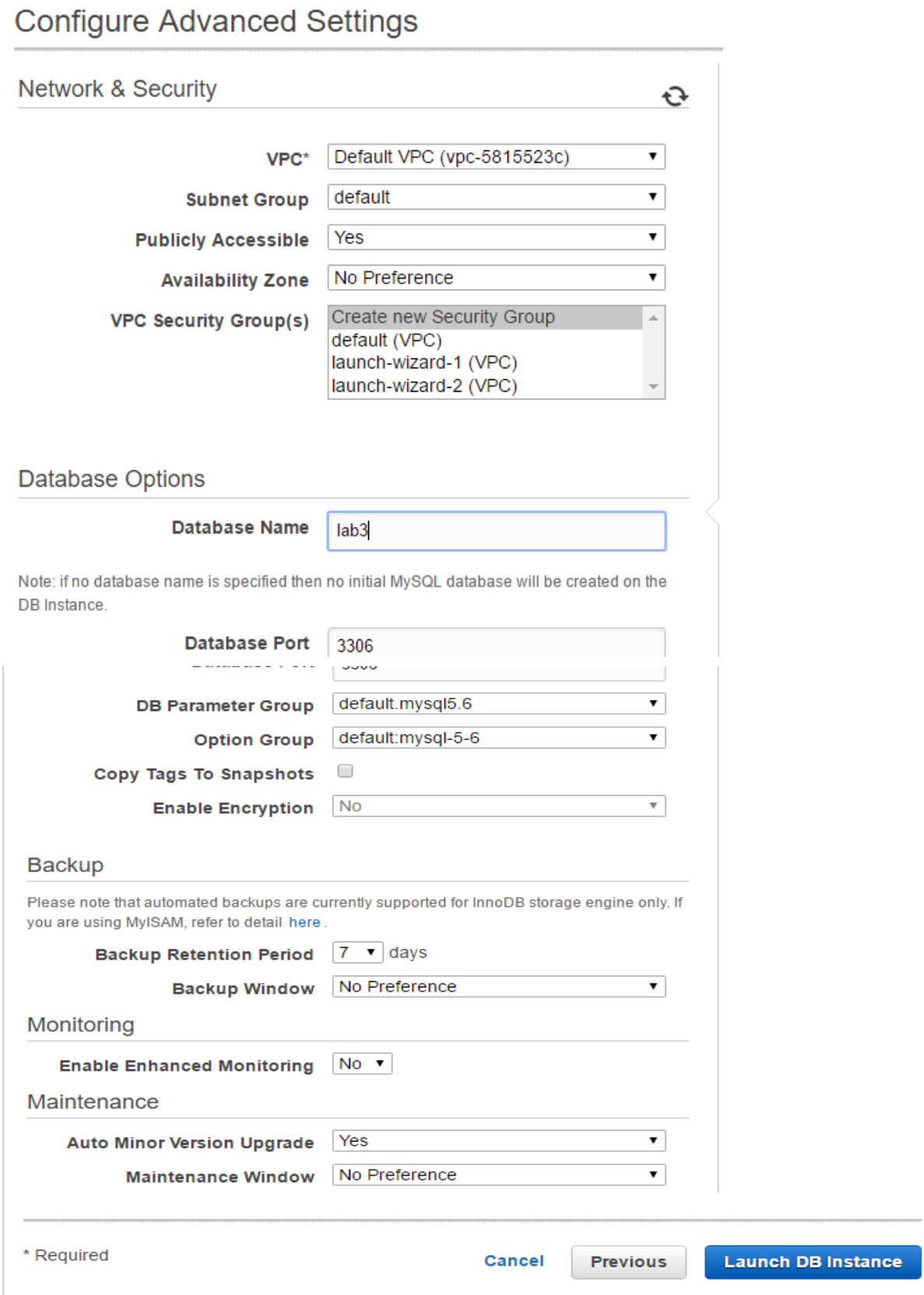


For this parameter...	...Do this:
License Model	MySQL has only one license model. Select the default, `General-Public-License`, to use the general license agreement for MySQL.
DB Engine Version	Select the version of MySQL that you want to work with. Note that Amazon RDS supports several versions of MySQL.
DB Instance Class	Select a DB instance class that defines the processing and memory requirements for the DB instance. For more information about all the DB instance class options, see DB Instance Class.
Multi-AZ Deployment	Determine if you want to create a standby replica of your DB instance in another Availability Zone for failover support. For more information about multiple Availability Zones, see Regions and Availability Zones.
Allocated Storage	Type a value to allocate storage for your database (in gigabytes). In some cases, allocating a higher amount of storage for your DB instance than the size of your database can improve I/O performance. For more information about storage allocation, see Amazon RDS Storage Types.

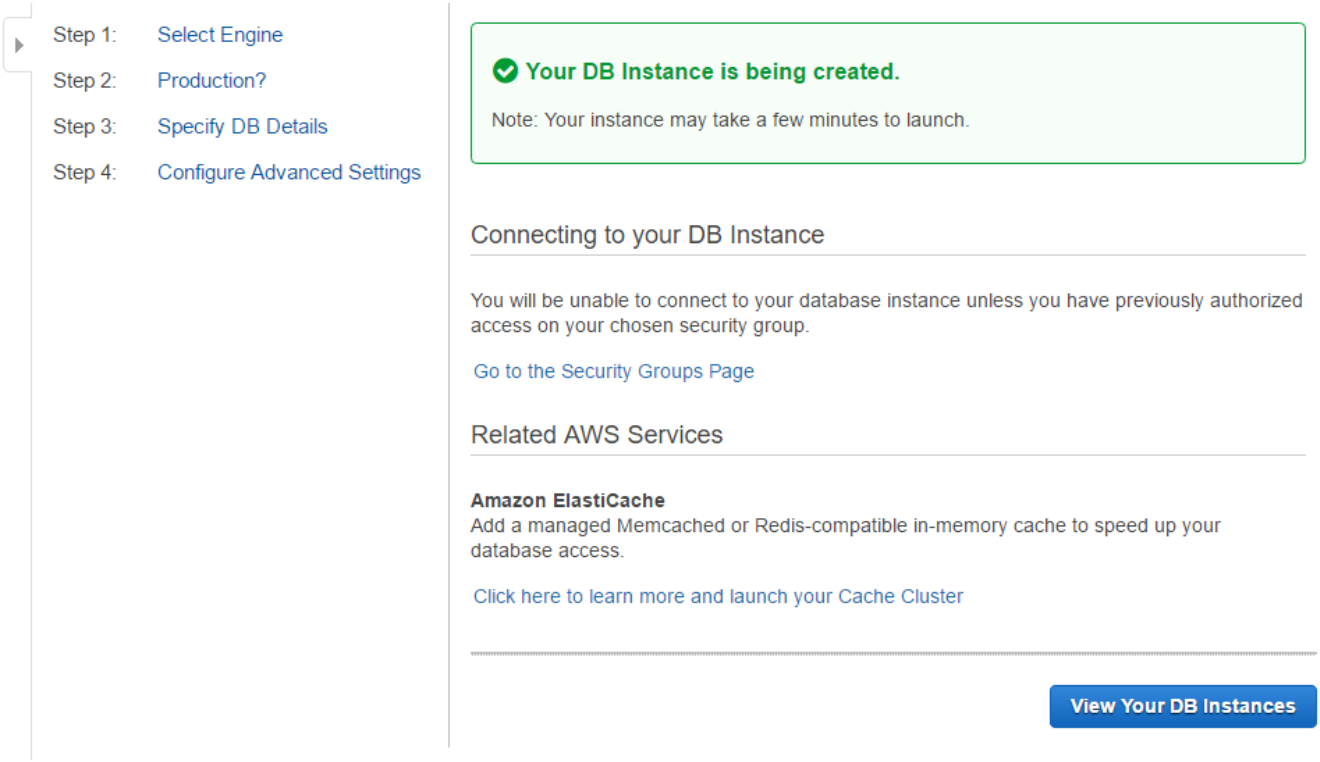
For this parameter...	...Do this:
Storage Type	Select the storage type you want to use. For more information about storage, see Storage for Amazon RDS.
DB Instance Identifier	Type a name for the DB instance that is unique for your account in the region you selected. You may choose to add some intelligence to the name such as including the region and DB Engine you selected, for example `mysql-instance1`.
Master Username	Type a name using alphanumeric characters that you will use as the master user name to log on to your DB instance. The default privileges granted to the master user name account include: create, drop, references, event, alter, delete, index, insert, select, update, create temporary tables, lock tables, trigger, create view, show view, alter routine, create routine, execute, create user, process, show databases, grant option.
Master Password	Type a password that contains from 8 to 16 printable ASCII characters (excluding /,", and @) for your master user password.
Confirm Password	Re-type the Master Password for confirmation.

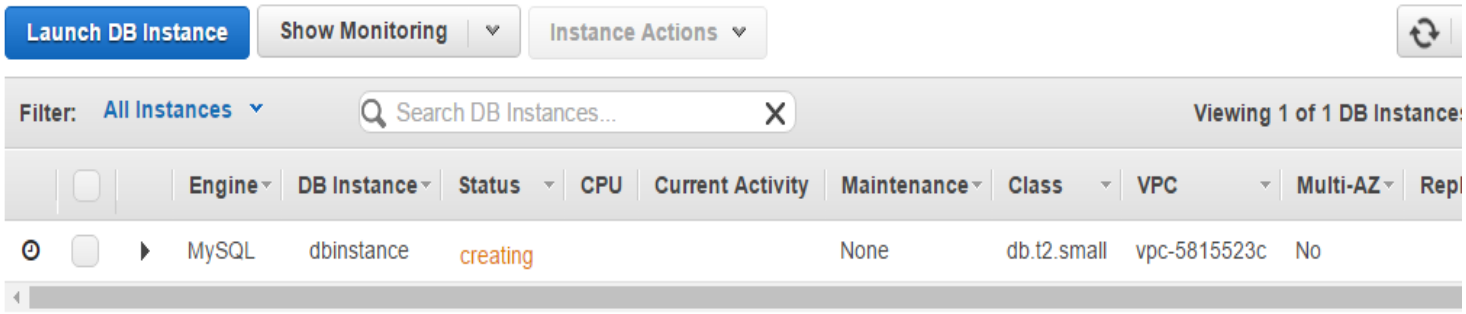


6. On the Configure Advanced Settings page, provide additional information that RDS needs to launch the MySQL DB instance. The table shows settings for an example DB instance. Specify your DB instance information, then click Next Step.

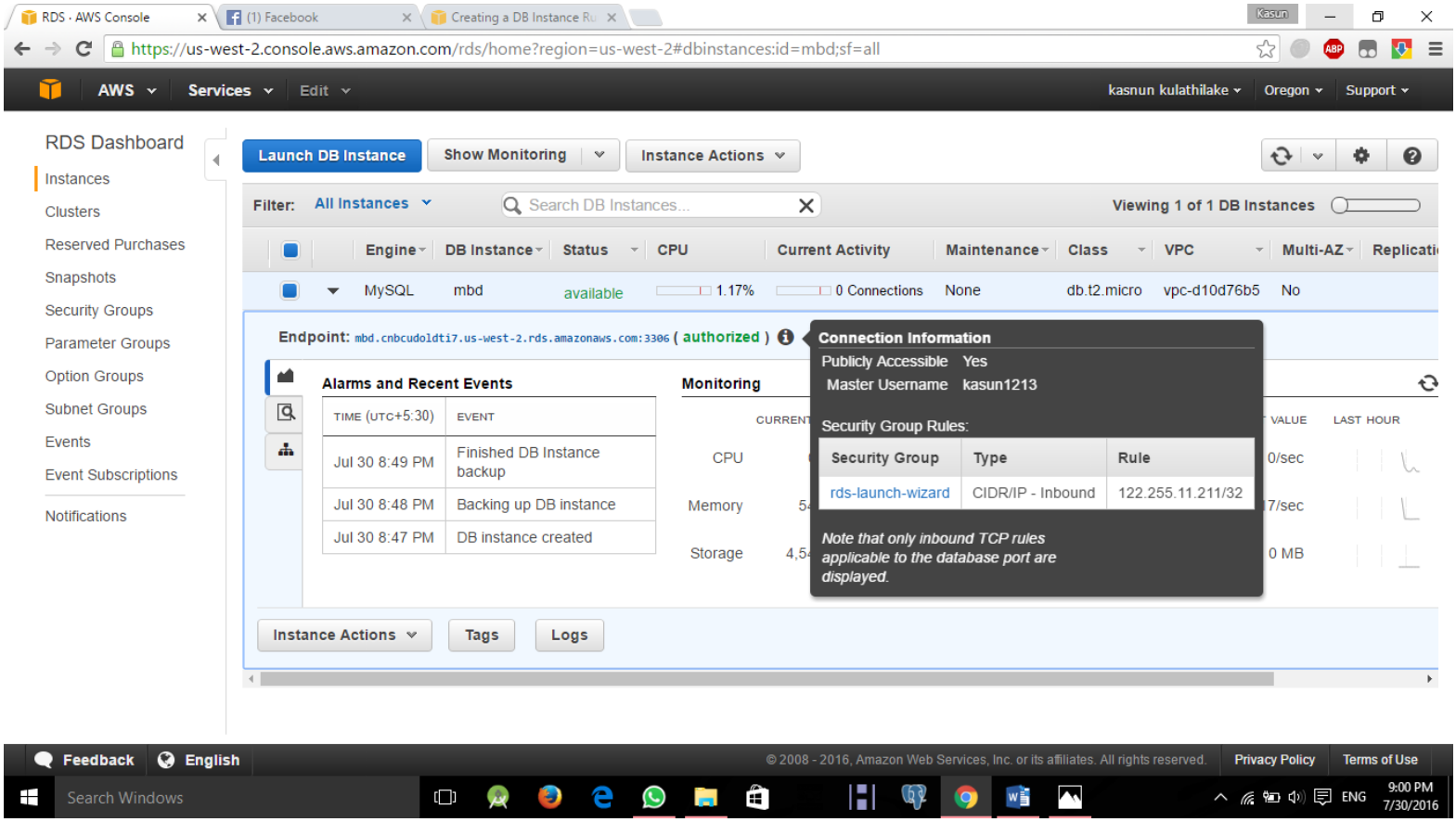


7. Click Launch DB Instance to create your MySQL DB instance



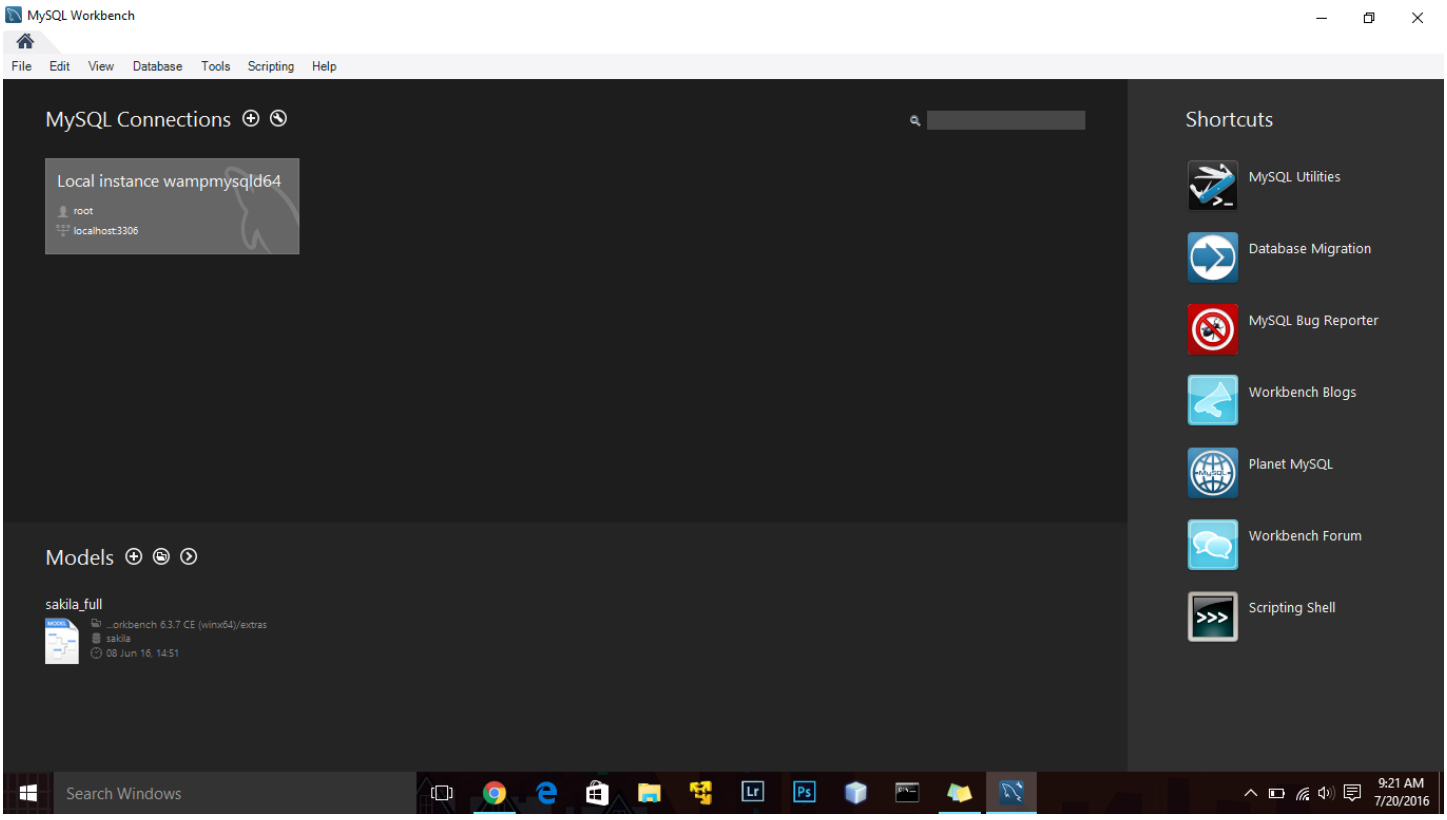


8. it could take several minutes for the new instance to be available ,

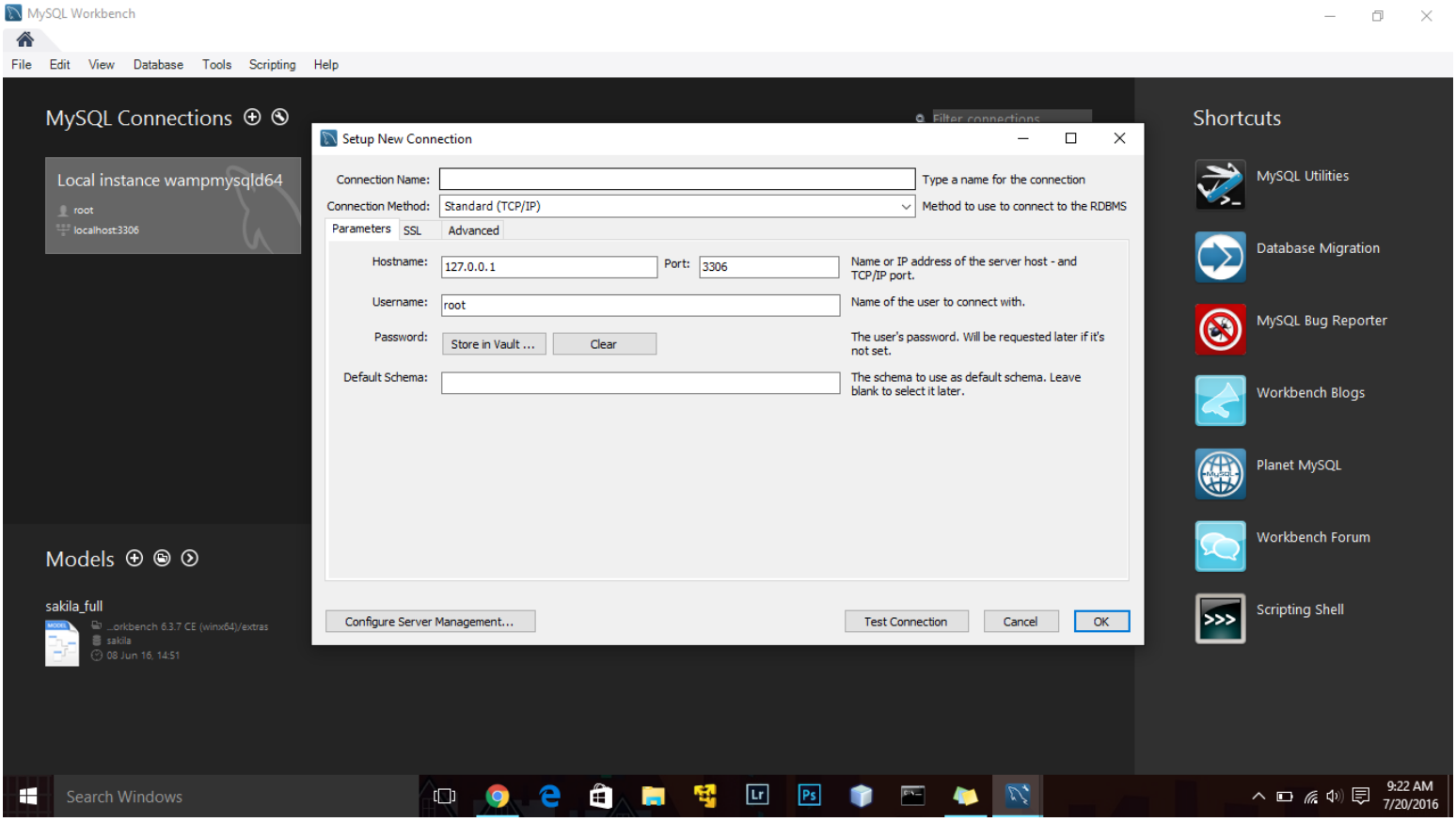


9. Connecting to a DB Instance Running the MySQL Database Engine

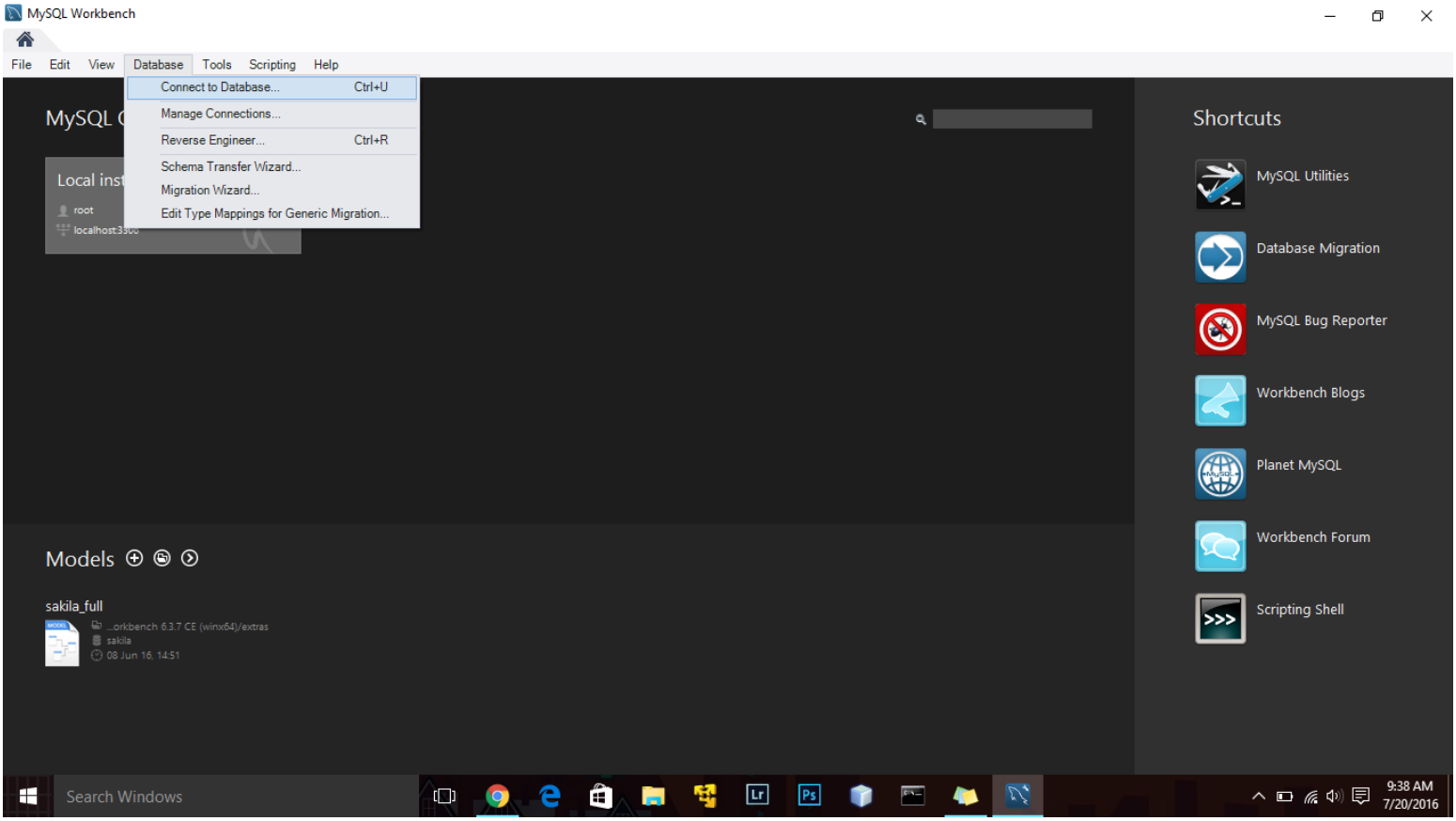
Once Amazon RDS provisions our DB instance, we can use any standard MySQL client application or utility to connect to the instance, here I used mysql workbench.



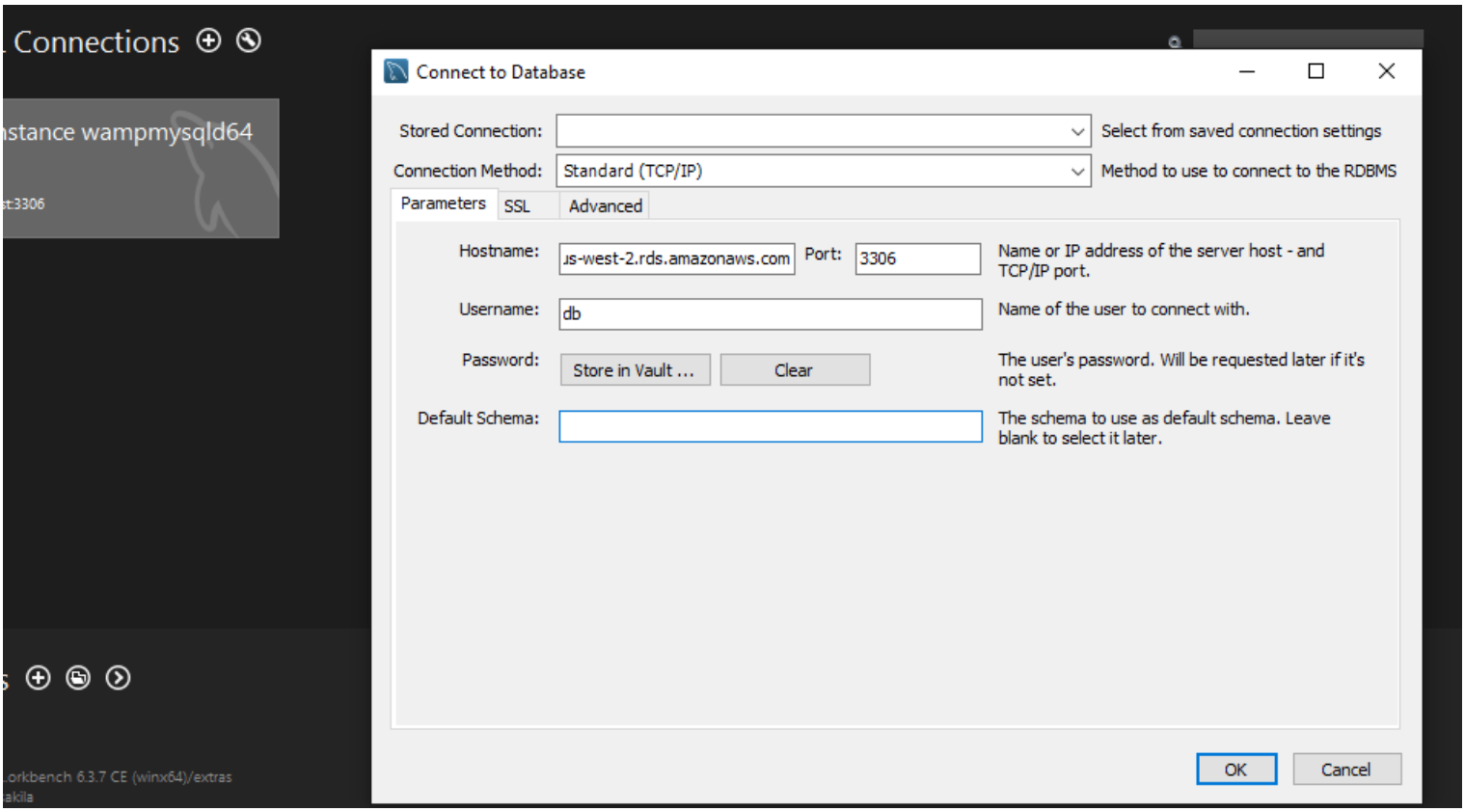
10. Setup the connection using host name and the port



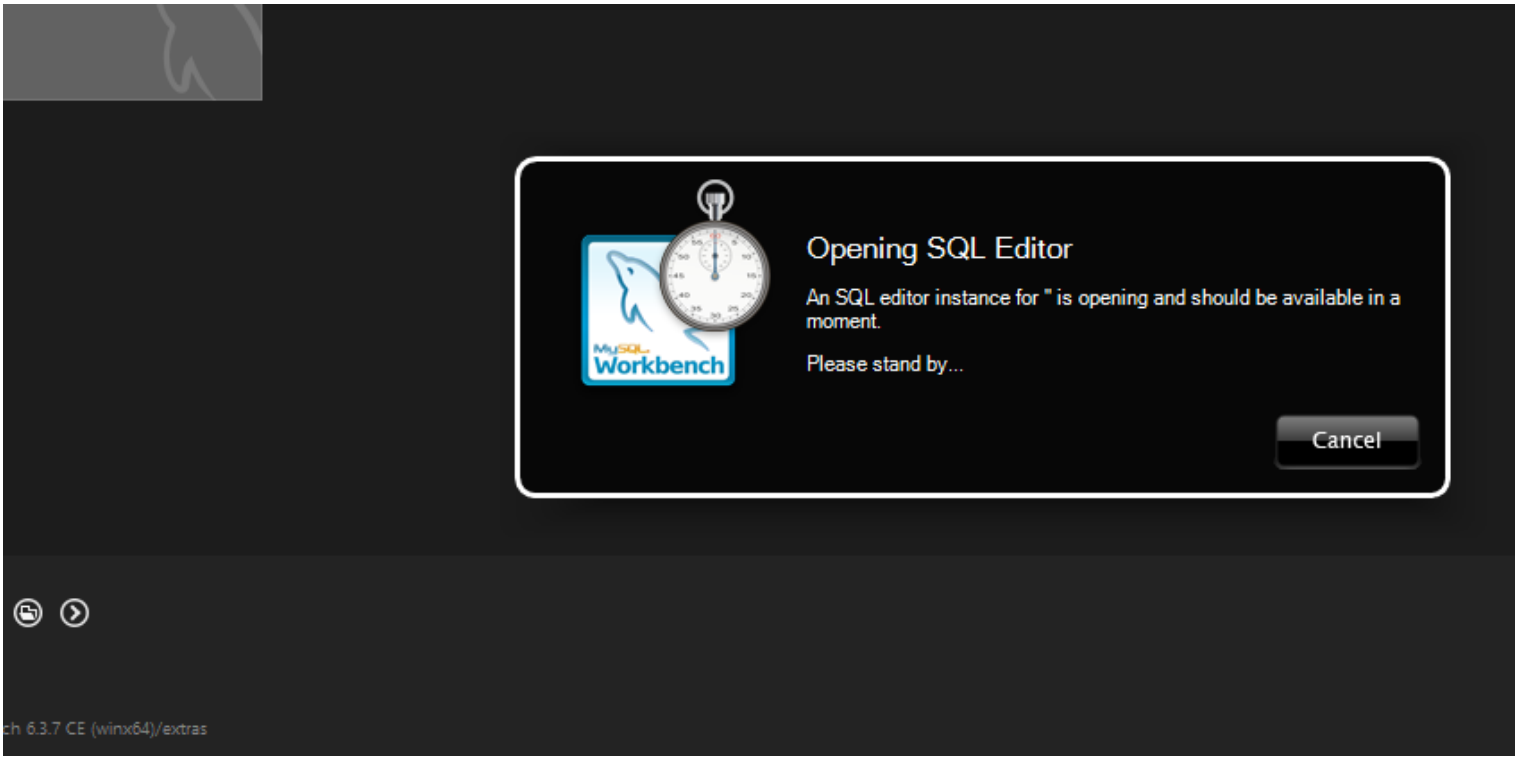
11. Once the connection complete we need to connect the database, to connect go to database tag and select connect to database

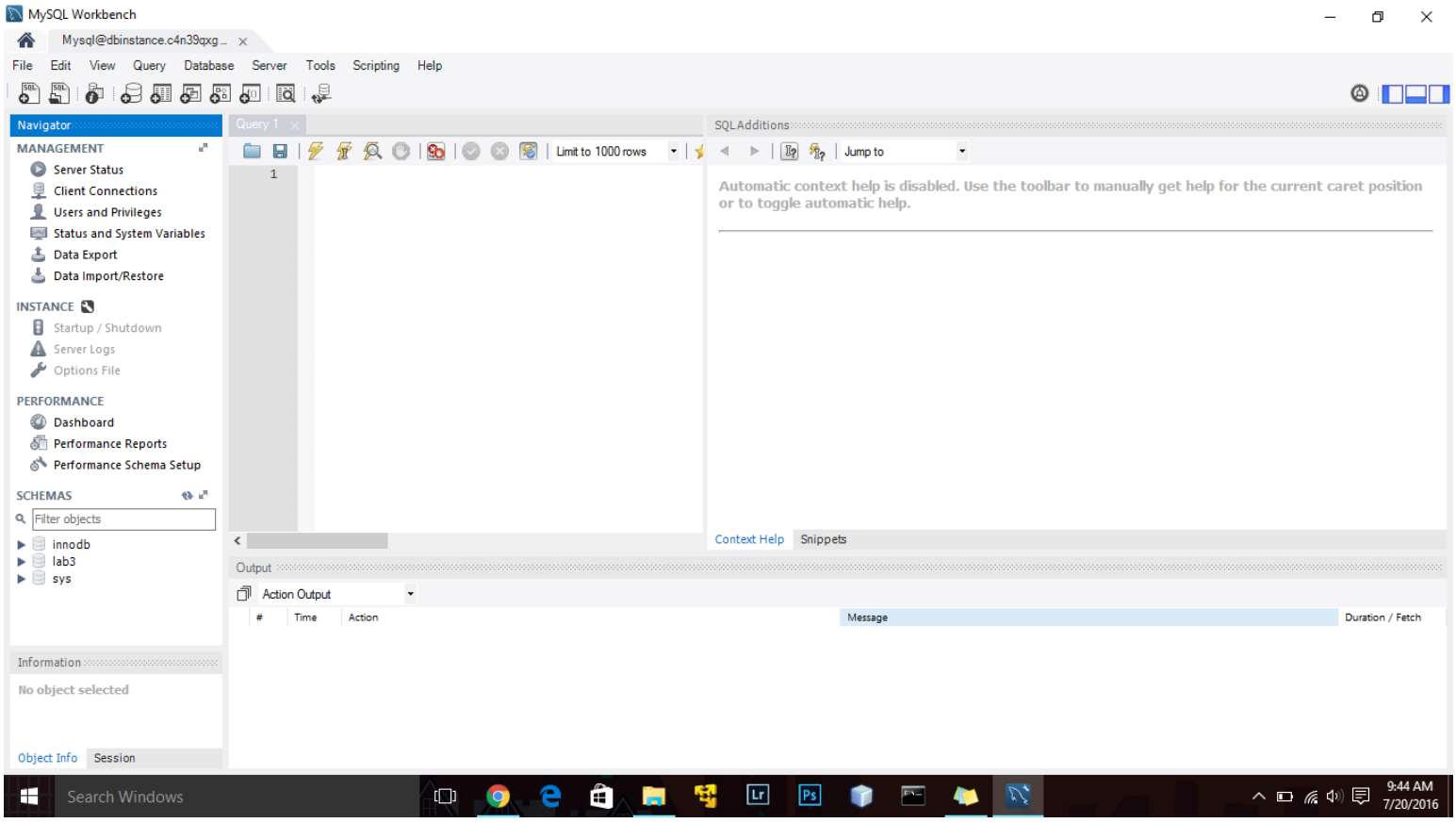


12. Provide the server host name and the port address to connect



13. Once connection done we can open the SQL editor.




MySQL Workbench
Mysql@dbinstance.c4n39qxg...
File Edit View Query Database Server Tools Scripting Help
Navigator
MANAGEMENT
Server Status
Client Connections
Users and Privileges
Status and System Variables
Data Export
Data Import/Restore
INSTANCE
Startup / Shutdown
Server Logs
Options File
PERFORMANCE
Dashboard
Performance Reports
Performance Schema Setup
SCHEMAS
Filter objects
innodb
lab3
sys
Information
No object selected
Object Info
Session
Query 1
Limit to 1000 rows
1
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
Context Help
Snippets
Output
Action Output
Time Action Message Duration / Fetch
Search Windows
9:44 AM
7/20/2016