Configure Ezeelogin on AWS RDS

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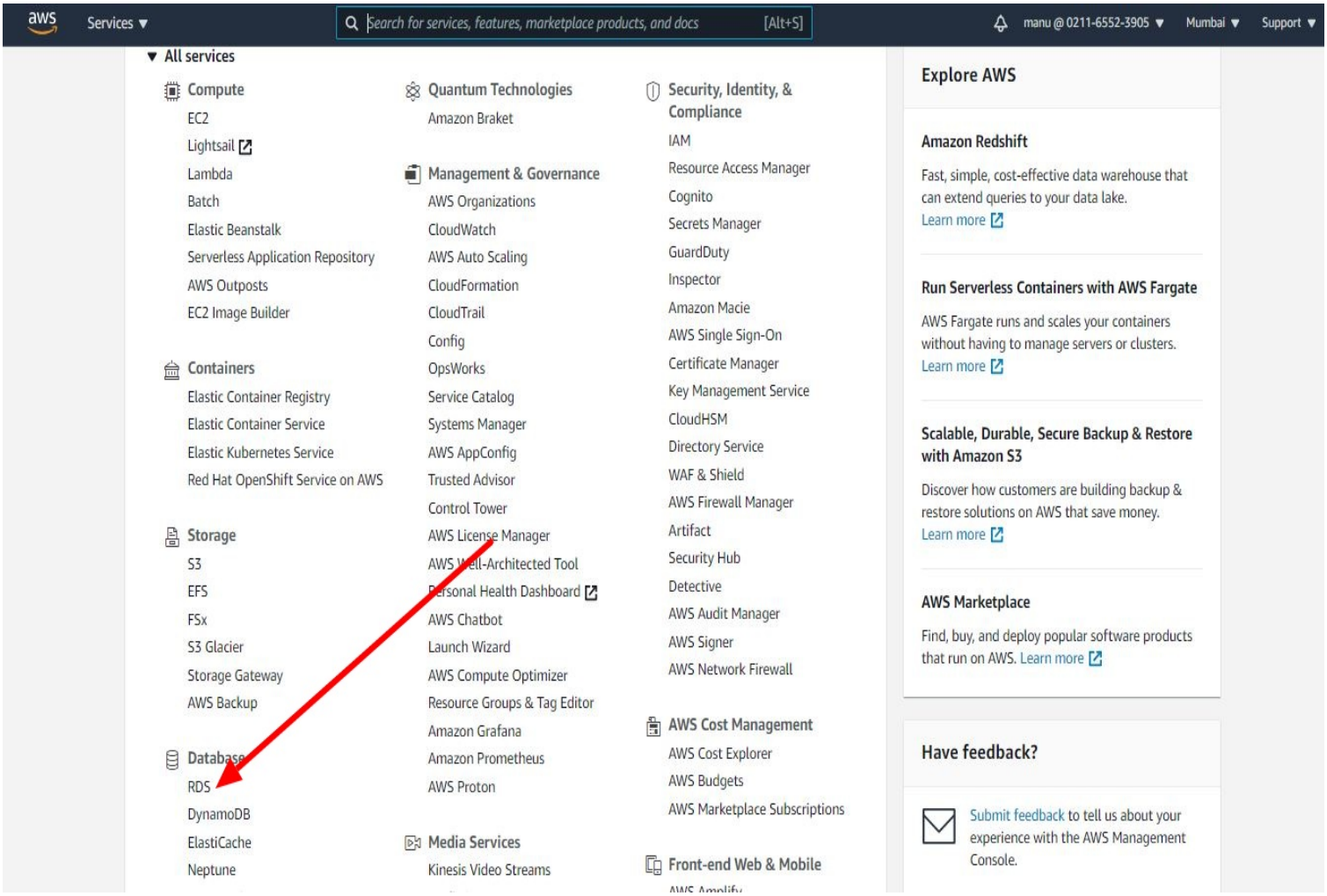
Configure Ezeelogin on AWS - RDS Remote Database.

> How do you configure Ezeelogin to use SSL for AWS RDS? Refer to this **article**.

Overview: This article describes how a user can set up Ezeelogin on AWS as an RDS Remote database in primary/master as well as secondary/slave nodes.

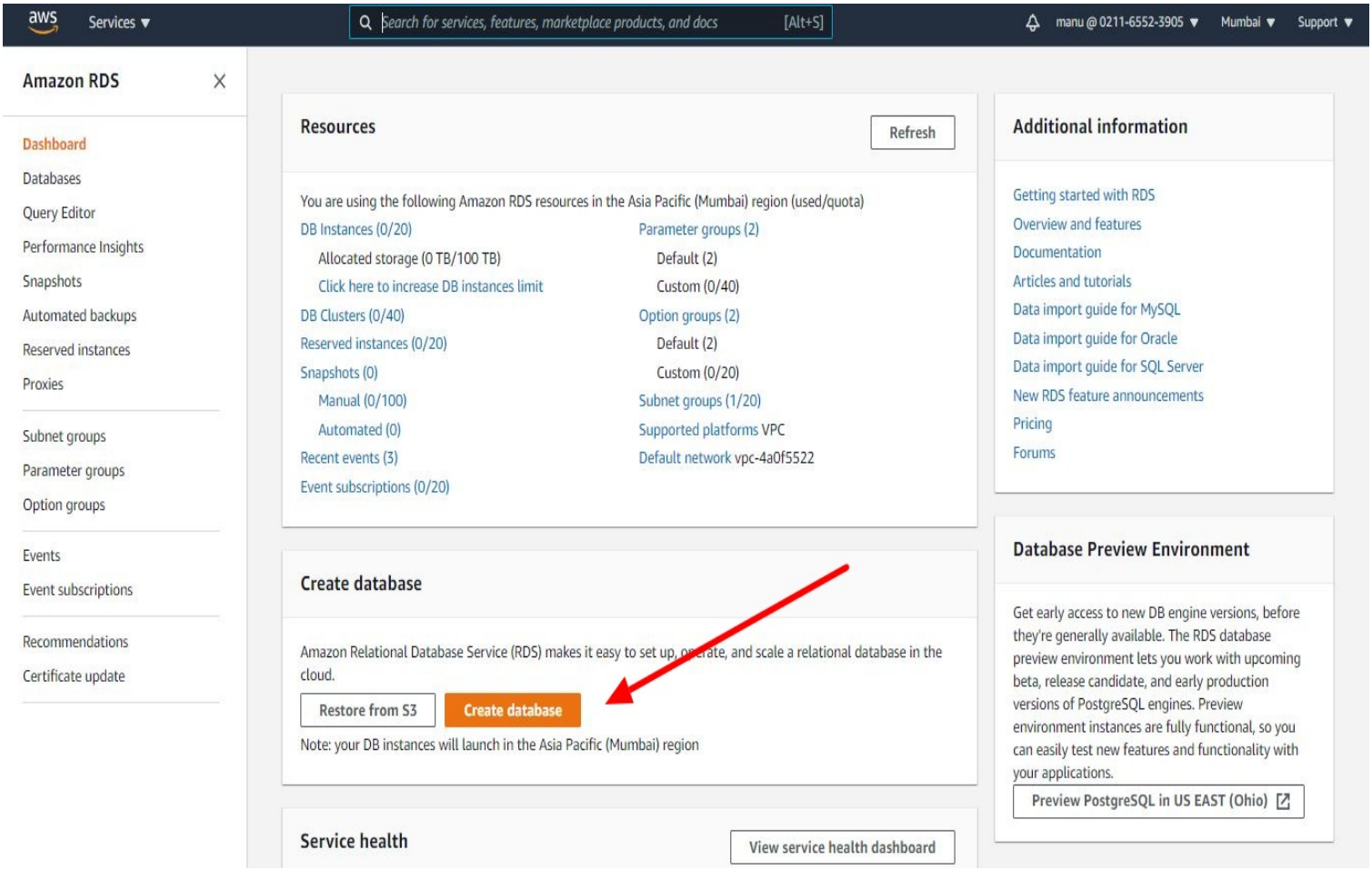
1. Setting up the RDS environment

Login to AWS account > Open the RDS and proceed to create the RDS MySQL Environment. On the next page that appears, click on Create Database. This will open another page where you can define the necessary details required to set up the MySQL Database.

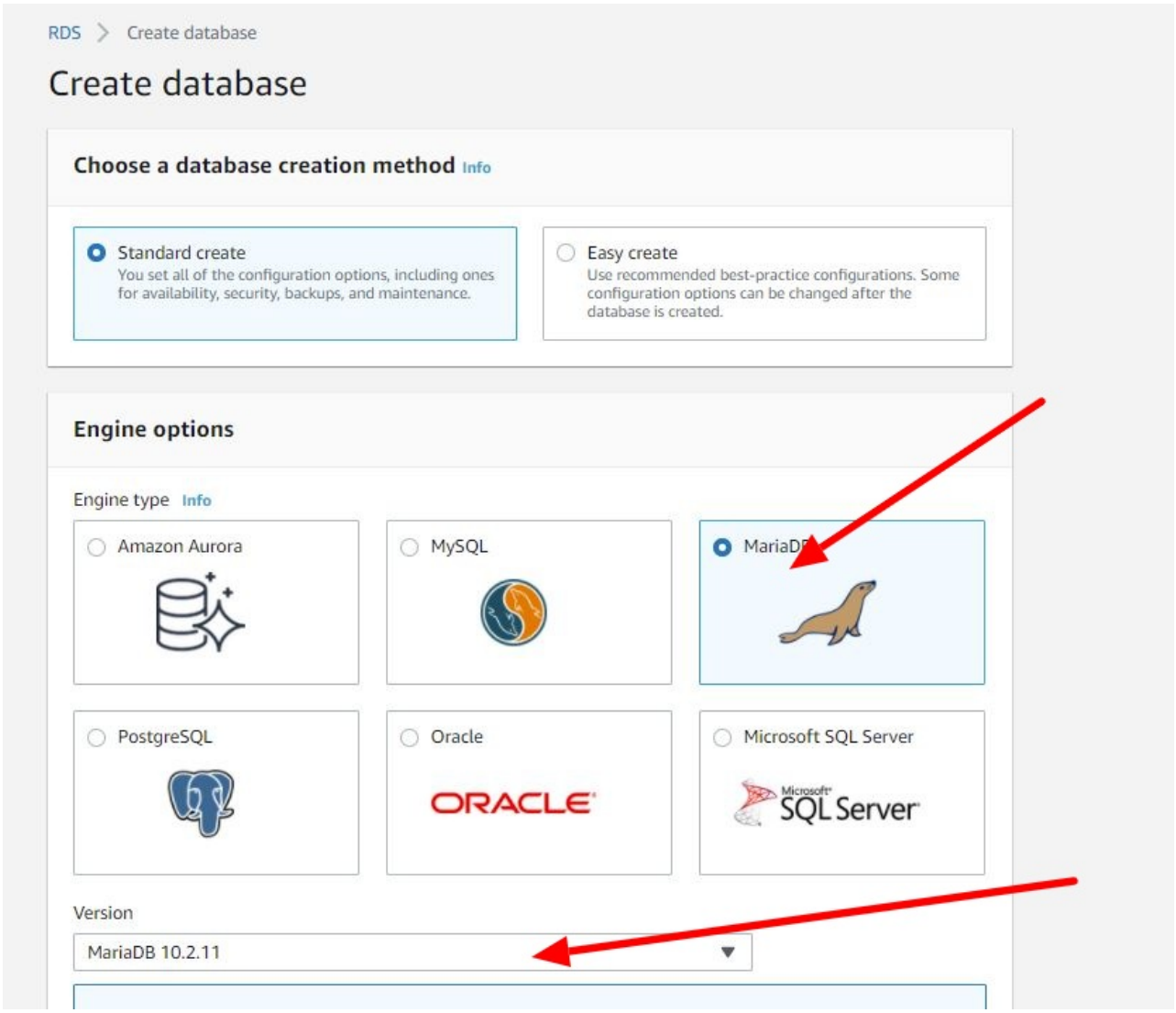


2. Creating the MySQL database

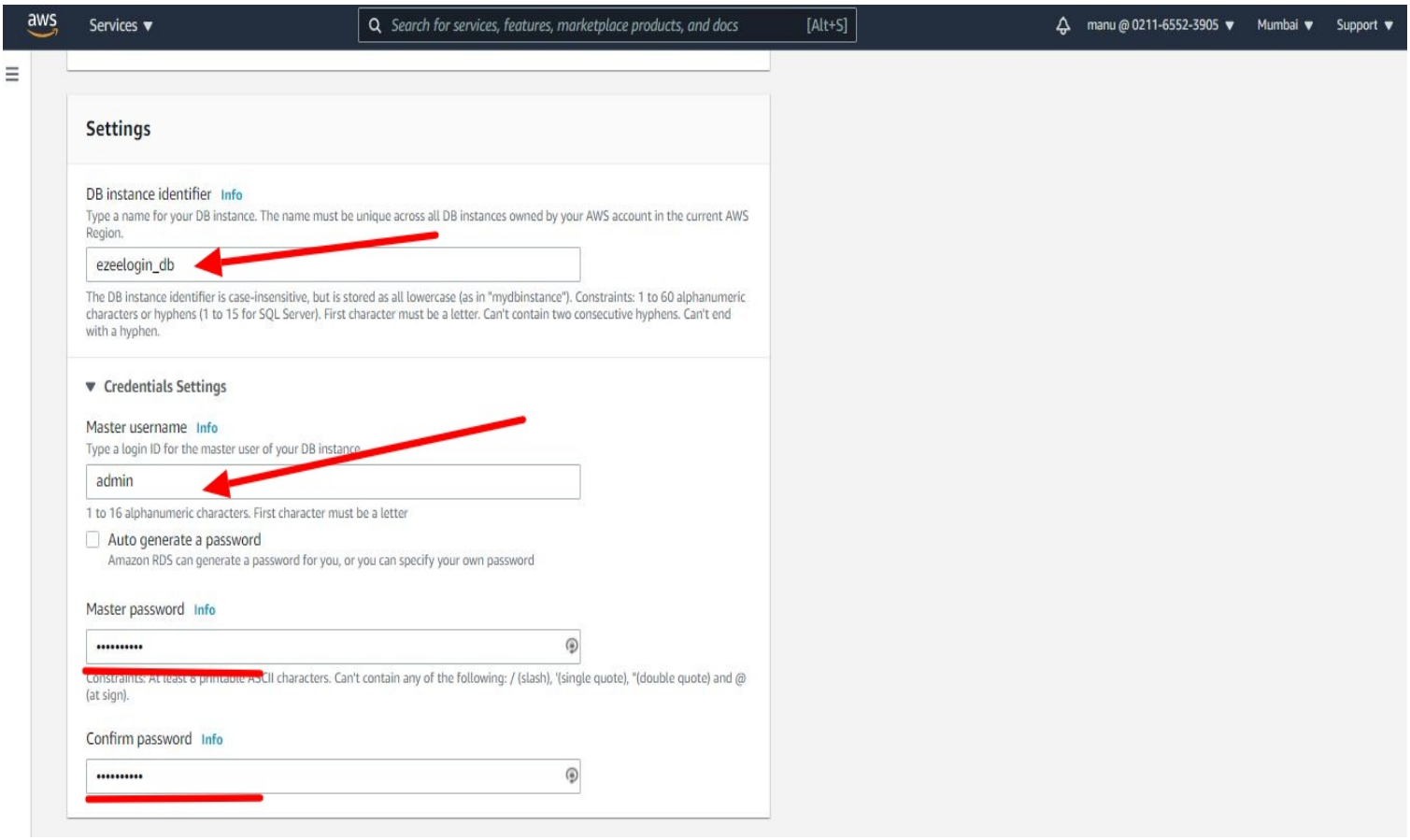
a. Click on the Create Database, and a new page opens as follows, where you can define the database creation method and other options. Select Standard Create as the database creation method. Select the Engine Type as MySQL/MariaDB and the version (check the **software requirements on the article** that Ezeelogin supports)



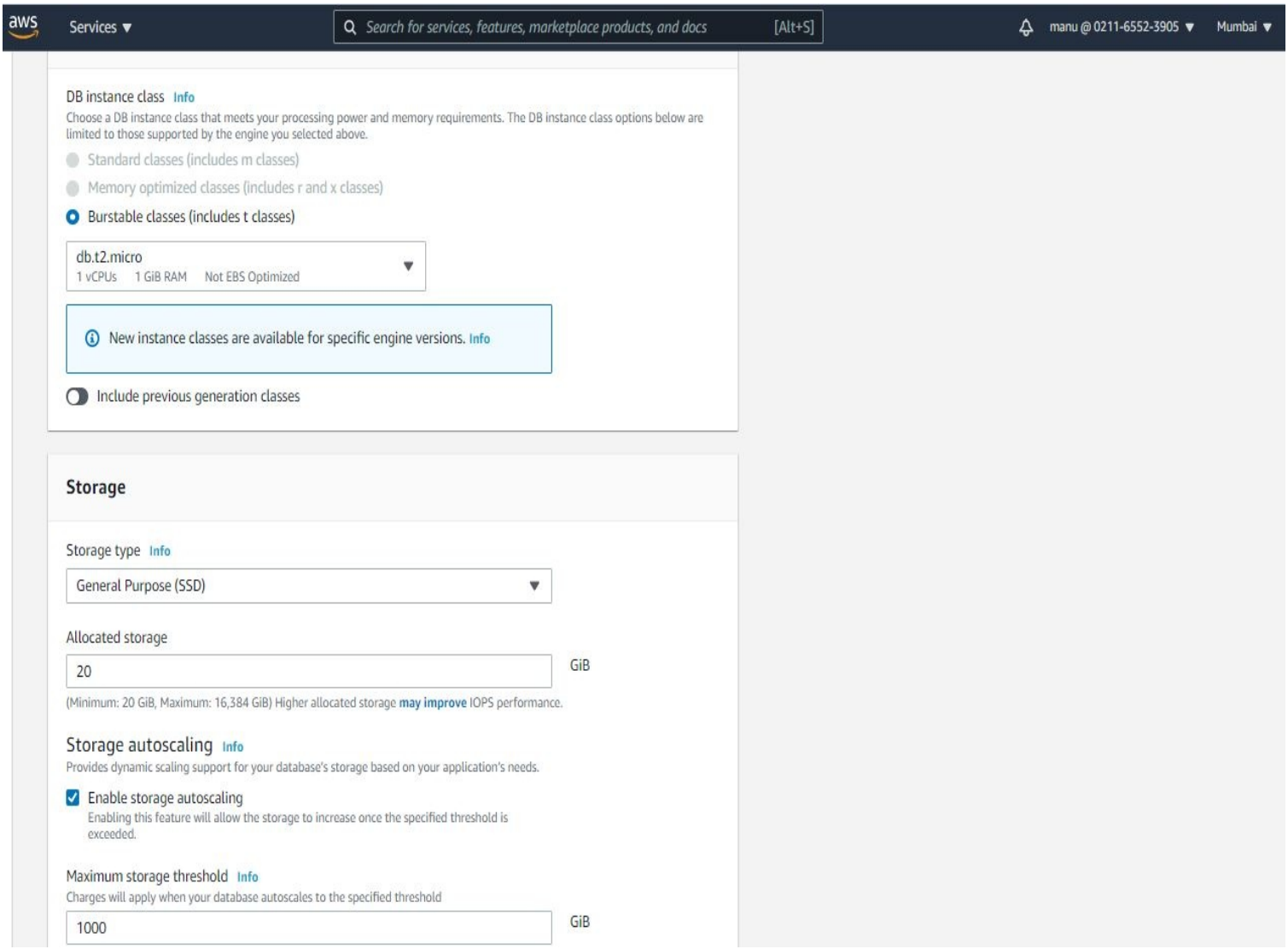
a. Select the Engine Type as MySQL/MariaDB and select the version. Here I have selected MariaDB 10.2, you can select the Ezeelogin-supported engine type & version.



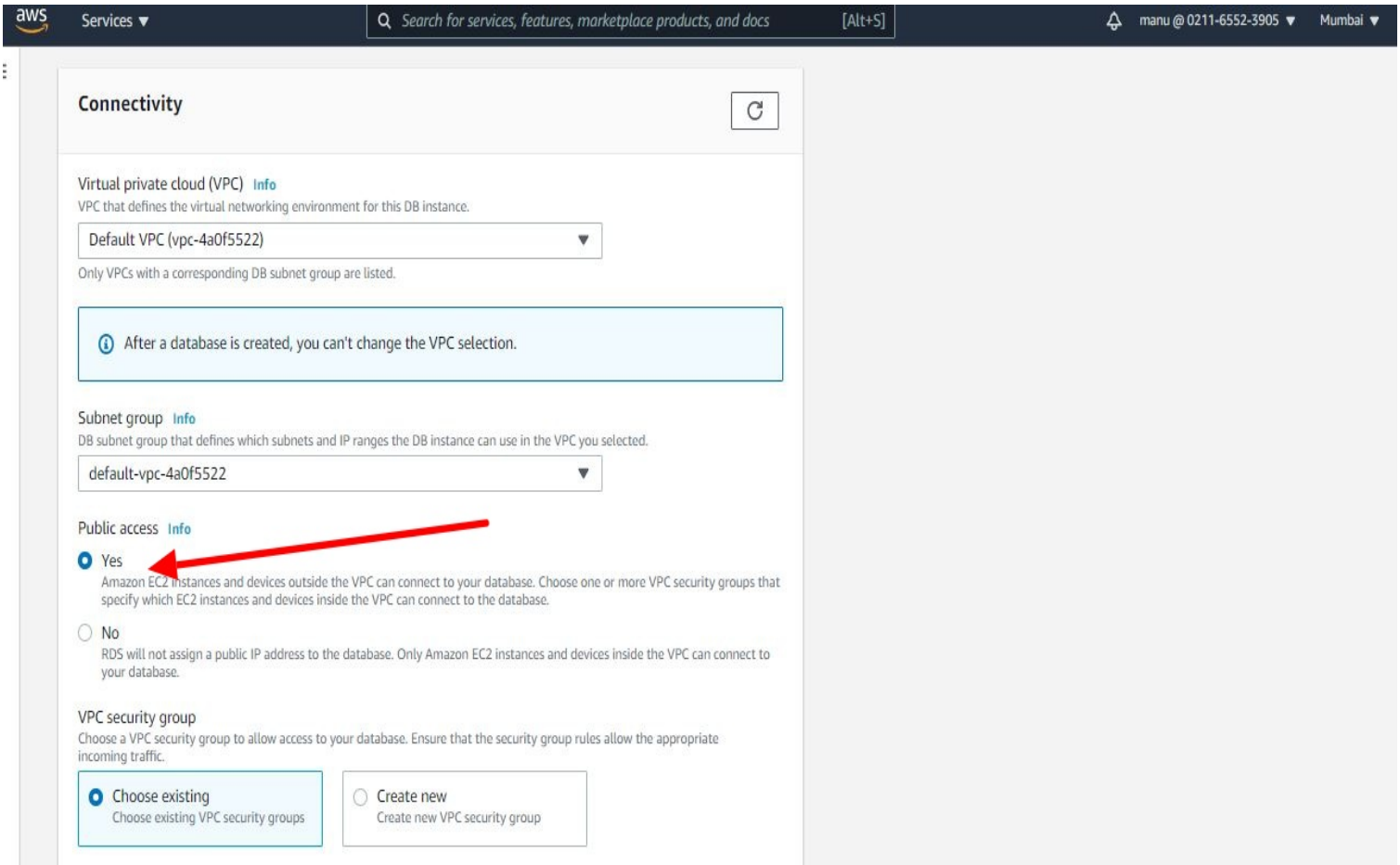
b. In the next step, Provide a suitable name for the database instance, for example, I’m going to use the database instance as “ezeelogin_db”. Similarly, provide a suitable master username and password for the same. This is the username and the password, that you will be using later to connect to this MySQL instance later. Also, you must keep these credentials safe so that they can be used later again.



c. Now, we need to set some other properties that are essential to set up the RDS MySQL Environment. Select the Database Instance Size as “db.t2.micro” and the Storage Type as General Purpose SSD. By default, the memory size is allocated to 20GB which is fine for the moment.

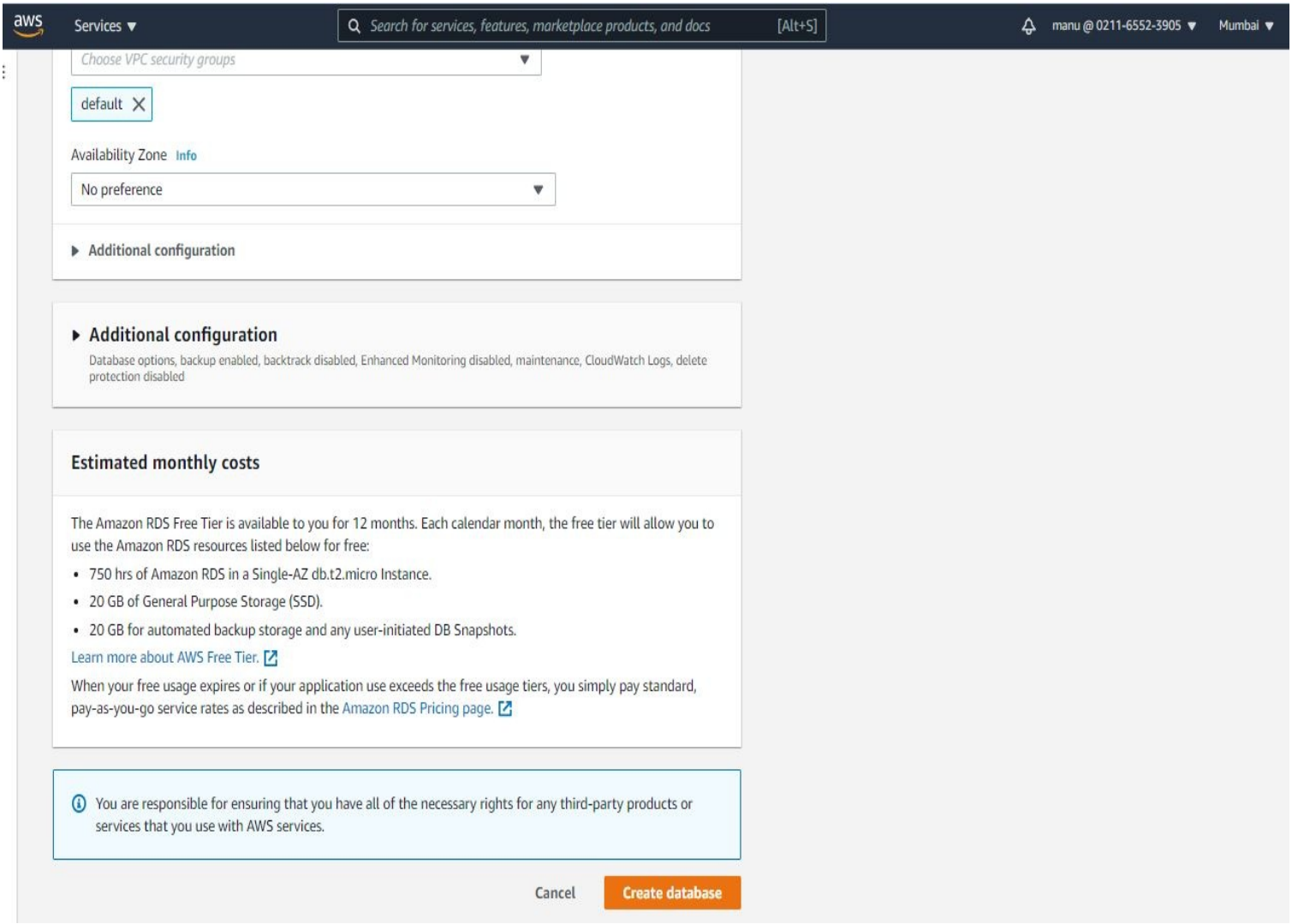


d. You should allow connections from the public network to allow and connect to the instance.



e. we should define the Connectivity settings for the RDS Database instance. Select the default VPC connection that is already available within your login. Since we will be accessing the database instance from outside the AWS Environment, we should enable the Publicly Accessible to Yes. The final step in creating the database is to select the Database Authentication Mode as Password Authentication. Once completed, click on Create Database.

Once you click on Create Database in the previous step, it might take a while for AWS to create the RDS instance and make it available for use. After a few moments, you will receive a notification that says the database has been created successfully. Click on the DB Identifier for the MySQL Database. A new page will open containing more information about the MySQL database instance. The important thing to note here is the Endpoint that is available. This endpoint information will be used later to connect to the Ezeelogin.



3. You can now use the RDS MySQL instance to install Ezeelogin

a. Follow the **jumpserver install article** and start the Ezeelogin installation

b. Follow the prompts and you should give the AWS RDS connection details on the prompt as follows.

Using the remote database server for the Ezeelogin database

Enter the hostname/IP address of the remote database server or use localhost, if you are going to run the database server on the current server.

Enter the endpoint that we copied in the previous steps as the hostname and the master username as the username here.

hostname or IP address of MySQL server.

If the MySQL server is running on this system itself, use 'localhost'

MySQL server (**localhost**): ezeelogin_db.123456789012.us-east-1.rds.amazonaws.com

port or path to unix socket used by the MySQL server.

MySQL port/socket (**3306**): 3306

Provide the **RDS master username** and **password** here.

Enter the username with super user (root) privileges for the database server.

This is usually 'root', sometimes 'admin' etc.

MySQL super user (**root**): admin

Please enter the password for the database super user.

MySQL super user password: *******

c. You can continue with the prompt and complete the Ezeelogin installation.

Review settings:

Install web panel files in : /var/www/html/ezlogin/

Install web panel system files in : /var/www/ezlogin/

URI path to access web panel : /ezlogin/

MySQL server : ezeelogin_db.123456789012.us-east-1.rds.amazonaws.com

MySQL port/socket : 3306

MySQL database : ezlogin_jzgzs

MySQL user : ezlogin_xnyqwd

MySQL password : !T3}3wczV6VrWxG)kn{5&3t5

Force HTTPS for web panel? : no

Secure MySQL connection? : no

Admin user : admin

Admin password : admin

Admin security code : admin

Note these down for future reference. Certain values such as passwords cannot be retrieved after setup.

Accept the above settings? (y/n/x) :

Creating and setting up database... done

Adding ezsh to shells... done

Creating group and users... done

Creating directories... done

Copying files... done

Setting access... done

Setting file modes... done

Setting file owners... done

Setting file groups... done

Setting up config... done

Setting up cron... done

Downloading GeoLiteCity database from www.maxmind.com... done

##

Ezeelogin installed. (Log: /var/log/ezlogin_install.log)

##

##

Web panel installed at:

' /var/www/html/ezlogin/ '

(http://yourdomain.com/ezlogin/).

##

Note: Please check the log file to see if any error occurred.

TODO NOTES:

Enable web server, MySQL server and cron to startup at boot time.

For free assistance, please contact support@ezeelogin.com

Thank you for choosing Ezeelogin.

www.ezeelogin.com

Note:

If you are getting the following error after installation **"ERROR granting access for DB user: Access denied for user 'root'@'%' to database 'ezlogin_jzgzs' ",** run the following command to grant privileges manually**.** This error usually pops up while using remote MySQL database/ RDS connections.

Login to MySQL as root or admin user & replace with your Ezeelogin database credentials. Ezeelogin database credentials such as dbname, dbusername & dbpassword will be displayed on the installation screen[reviewsettings] or you can refer to the ***article to retrieve Ezeelogin database credentials****.*

root@gateway:~# mysql -u root -p

mysql> grant all on ezeelogin_dbname.* to 'ezlogin_dbusername'@'%' identified by 'ezeelogin_dbusername_password' ;

mysql> flush privileges;

For Example: mysql> grant all on ezlogin_jzgzs. to 'ezlogin_xynqwd'@'%' identified by '!T3}3wczV6VrWxG)kn{5&3t5';* ***(Database credentials such as dbname, dbusername & dbpassword will displayed on installation screen[reviewsettings])***

4. After Installation login to the AWS RDS database and grant connectivity to Ezeelogin server hostname/IP on the remote database server.

a. If you are choosing **MySQL** as your RDS

You can find out the Ezeelogin database name, and database password from the " **Review settings** " on the installation screen. Also, refer to the article to show the **Ezeelogin database credentials**.

root@primary :~# mysql -h ezeelogin_db.123456789012.us-east-1.rds.amazonaws.com -P 3306 -u mymasteruser -p

mysql> CREATE USER 'ezlogin_mysqldatabase_username'@'%' IDENTIFIED BY 'password';

mysql> GRANT ALL PRIVILEGES ON ezlogin_databasename.* TO 'ezlogin_mysqldatabase_username'@'%' WITH

GRANT OPTION;

mysql> flush privileges;

For Example:

mysql> CREATE USER 'ezlogin_kbjt'@'%' IDENTIFIED BY ']5ZUnsb!a^^cs%';

mysql> GRANT ALL PRIVILEGES ON ezlogin_jmfug.* TO 'ezlogin_kbjt'@'%' WITH GRANT OPTION;

mysql> flush privileges;

b. If you are choosing **MariaDB** as your RDS

You can find out the Ezeelogin database name, and database password from the " **Review settings** " on the installation screen. Also, refer to the article to show the **Ezeelogin database credentials**.

root@primary :~# mysql -h ezeelogin_db.123456789012.us-east-1.rds.amazonaws.com -P 3306 -u mymasteruser -p

MariaDB [(none)]> GRANT ALL PRIVILEGES ON ezlogin_databasename.* TO 'ezlogin_mysqldatabase_username'@'%' IDENTIFIED BY 'password' WITH GRANT OPTION;

MariaDB [(none)]> flush privileges;

For Example:

MariaDB [(none)]> GRANT ALL PRIVILEGES ON ezlogin_jmfug.* TO 'ezlogin_kbjt'@'%' IDENTIFIED BY ']5ZUnsb!a^^cs%' WITH GRANT OPTION;

MariaDB [(none)]> flush privileges;

How to configure Ezeelogin on AWS - RDS Remote Database for Secondary?

Refer to steps 1 and 2 to create the AWS RDS database.

1. Execute the following command on the primary server to grant access to the Ezeelogin database from the secondary/slave node

root@primary ~]# php /usr/local/ezlogin/grant_host.php <ip_address of secondary node/slave>

2. **You can now use the RDS MySQL instance to install secondary Ezeelogin.**

a. Follow the **secondary jump server install article** and start the Ezeelogin installation

b. Follow the prompts and you should give the AWS RDS connection details on the prompt as follows.

Using the remote database server for the Ezeelogin database

Enter the hostname/IP address of the remote database server or use localhost, if you are going to run the database server on the current server.

Enter the endpoint that we copied in the previous steps as the hostname and the master username as the username here.

hostname or IP address of MySQL server.

If the MySQL server is running on this system itself, use ’localhost’

MySQL server (**localhost**): ezeelogin_db.123456789016.us-east-1.rds.amazonaws.com

port or path to unix socket used by the MySQL server.

MySQL port/socket (**3306**): 3306

Provide the **RDS master username** and **password**

Enter the username with super user (root) privileges for the database server.

This is usually 'root', sometimes 'admin' etc.

MySQL super user (**root**): admin

Please enter the password for the database super user.

MySQL super user password: *******

c. You can continue with the prompt and complete the Ezeelogin installation.

Review settings:

Install web panel files in : /var/www/html/ezlogin/

Install web panel system files in : /var/www/ezlogin/

URI path to access web panel : /ezlogin/

MySQL server : ezeelogin_db.123456789016.us-east-1.rds.amazonaws.com

MySQL port/socket : 3306

MySQL database : ezlogin_jzgzs

MySQL user : ezlogin_xnyqwd

MySQL password : !T3}3wczV6VrWxG)kn{5&3t5

Force HTTPS for web panel? : no

Secure MySQL connection? : no

Admin user : admin

Admin password : admin

Admin security code : admin

Note these down for future reference. Certain values such as passwords cannot be retrieved after setup.

Accept the above settings? (y/n/x) :

Creating and setting up database... done

Adding ezsh to shells... done

Creating group and users... done

Creating directories... done

Copying files... done

Setting access... done

Setting file modes... done

Setting file owners... done

Setting file groups... done

Setting up config... done

Setting up cron... done

Downloading GeoLiteCity database from www.maxmind.com... done

##

Ezeelogin installed. (Log: /var/log/ezlogin_install.log)

##

##

Web panel installed at:

' /var/www/html/ezlogin/ '

(http://yourdomain.com/ezlogin/).

##

Note: Please check the log file to see if any error occurred.

TODO NOTES:

Enable web server, MySQL server and cron to startup at boot time.

For free assistance, please contact support@ezeelogin.com

Thank you for choosing Ezeelogin.

www.ezeelogin.com

Note:

If you are getting the following error after installation **"ERROR granting access for DB user: Access denied for user 'root'@'%' to database 'ezlogin_jzgzs' " ,** run the following command to grant privileges manually**.** This error usually pops up while using remote MySQL database/ RDS connections.

Login to MySQL as root or admin user & replace with your Ezeelogin database credentials. Ezeelogin database credentials such as dbname, dbusername & dbpassword will be displayed on the installation screen[reviewsettings] or you can refer to the ***article to retrieve Ezeelogin database credentials****.*

root@gateway:~# mysql -u root -p

mysql> grant all on ezeelogin_dbname.* to 'ezlogin_dbusername'@'%' identified by 'ezeelogin_dbusername_password' ;

mysql> flush privileges;

For Example: mysql> grant all on ezlogin_jzgzs. to 'ezlogin_xynqwd'@'%' identified by '!T3}3wczV6VrWxG)kn{5&3t5';* ***(Database credentials such as dbname, dbusername & dbpassword will displayed on installation screen[reviewsettings])***

3. After Installation login to the AWS RDS database and grant connectivity to Ezeelogin server hostname/IP on the remote database server.

a. If you are choosing **MySQL** as your RDS

You can find out the Ezeelogin database name, and database password from the " **Review settings** " on the installation screen. Also, refer the article to show the **Ezeelogin database credentials**.

root@primary :~# mysql -h ezeelogin_db.123456789012.us-east-1.rds.amazonaws.com -P 3306 -u mymasteruser -p

mysql> CREATE USER 'ezlogin_mysqldatabase_username'@'%' IDENTIFIED BY 'password';

mysql> GRANT ALL PRIVILEGES ON ezlogin_databasename.* TO 'ezlogin_mysqldatabase_username'@'%' WITH

GRANT OPTION;

mysql> flush privileges;

For Example:

mysql> CREATE USER 'ezlogin_kbjt'@'%' IDENTIFIED BY ']5ZUnsb!a^^cs%';

mysql> GRANT ALL PRIVILEGES ON ezlogin_jmfug.* TO 'ezlogin_kbjt'@'%' WITH GRANT OPTION;

mysql> flush privileges;

b. If you are choosing **MariaDB** as your RDS

You can find out the Ezeelogin database name, and database password from the " **Review settings** " on the installation screen. Also, refer the article to show the **Ezeelogin database credentials**.

root@primary :~# mysql -h ezeelogin_db.123456789012.us-east-1.rds.amazonaws.com -P 3306 -u mymasteruser -p

MariaDB [(none)]> GRANT ALL PRIVILEGES ON ezlogin_databasename.* TO 'ezlogin_mysqldatabase_username'@'%' IDENTIFIED BY 'password' WITH GRANT OPTION;

MariaDB [(none)]> flush privileges;

For Example:

MariaDB [(none)]> GRANT ALL PRIVILEGES ON ezlogin_jmfug.* TO 'ezlogin_kbjt'@'%' IDENTIFIED BY ']5ZUnsb!a^^cs%' WITH GRANT OPTION;

MariaDB [(none)]> flush privileges;

Note: Ezeelogin will support only MySQL version 5.6,5.7,8 and MariaDB 10.2 on RDS. Other MySQL, and MariaDB versions on RDS will not support Ezeelogin.

Related Articles:

Configure Jumpserver to use SSL for AWS RDS.

Migrate Ezeelogin database to RDS.

Can we use the same RDS instance for both nodes?

Online URL: https://www.ezeelogin.com/kb/article/configure-ezeelogin-on-aws-rds-387.html