

CC Lab AWS

GETTING STARTED WITH DATABASES – AMAZON RDS

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TASK-1 : Creating an Amazon RDS database

1a. Database Instance Identifier - keep it as pes1ug21csXXX-inventory.

The screenshot shows the AWS Management Console for the 'us-east-1' region. The 'Settings' page is displayed, showing the 'DB instance identifier' field with the value 'pes1ug22cs815-inventory'. Below this, the 'Credentials Settings' section is visible, showing the 'Master username' field with the value 'admin'. The 'Credentials management' section shows the 'Managed in AWS Secrets Manager - most secure' option selected. The 'Master password' field is also visible, with a minimum constraints warning.

1b. Under Database options, for the Initial database name, enter - pes1ug21csxxx.

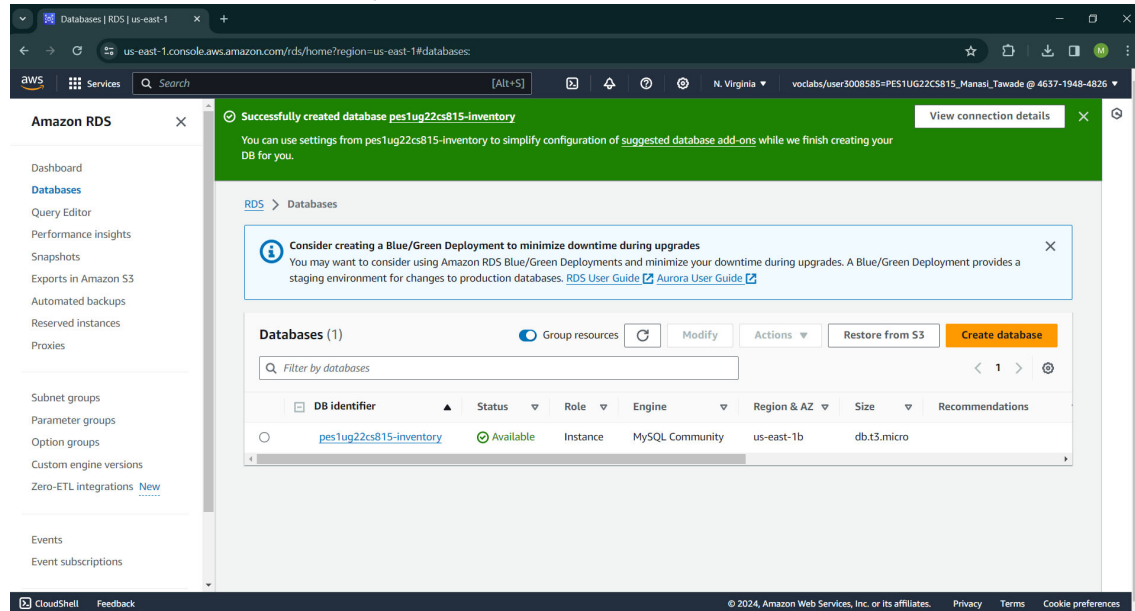
The screenshot shows the AWS Management Console for the 'us-east-1' region. The 'Monitoring' page is displayed, showing the 'Additional configuration' section. Under 'Database options', the 'Initial database name' field is highlighted with the value 'pes1ug22cs815'. The 'DB parameter group' is set to 'default.mysql8.0' and the 'Option group' is set to 'defaultmysql-8-0'. The 'Backup' section shows the 'Enable automated backups' checkbox checked.

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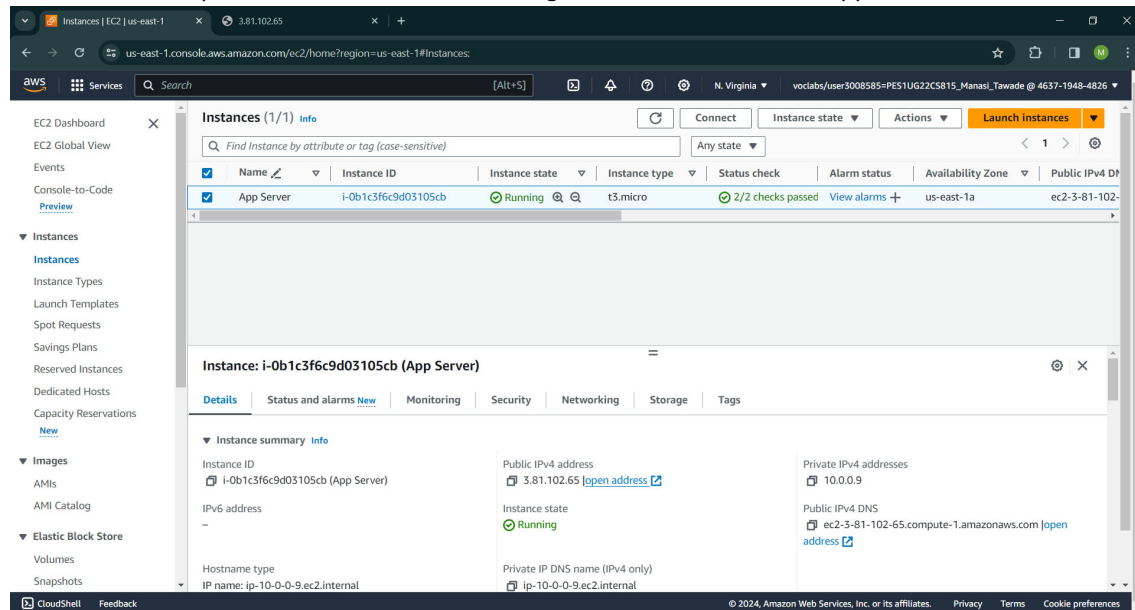
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1c. Database created successfully and the status as available.

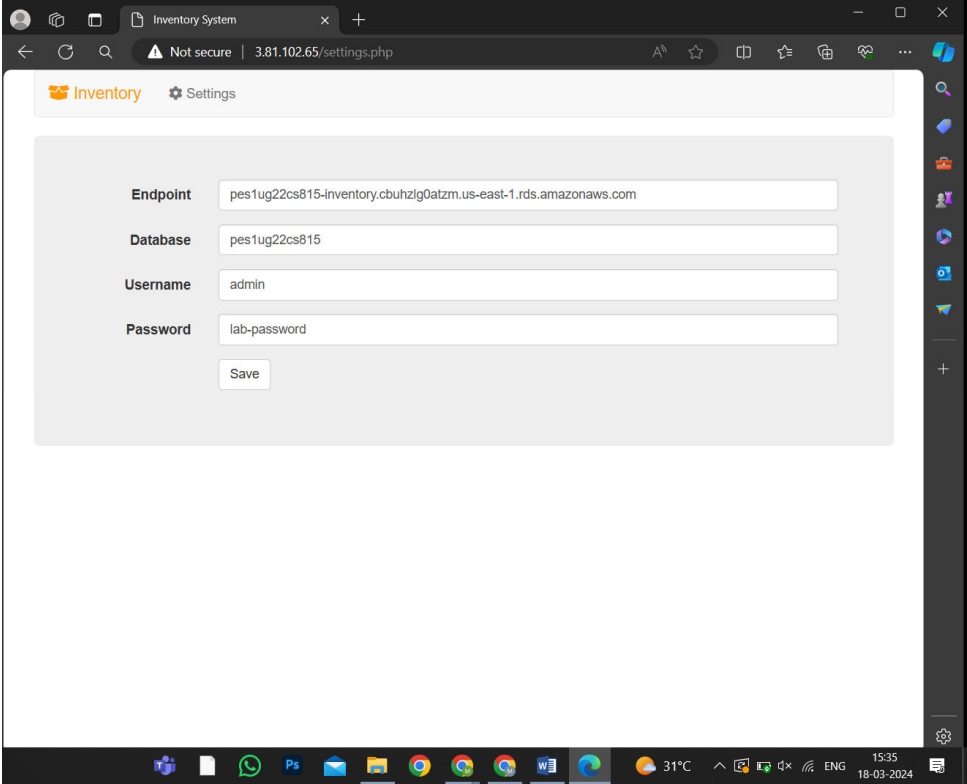


TASK-2 : Configuring web application communication with the database instance.

2a. In the center pane, there should be a running instance that is named App Server.



2b. Return to the browser tab with the inventory application, and enter the following values:



Inventory System Settings

Endpoint: pes1ug22cs815-inventory.cbuhzlg0atzm.us-east-1.rds.amazonaws.com

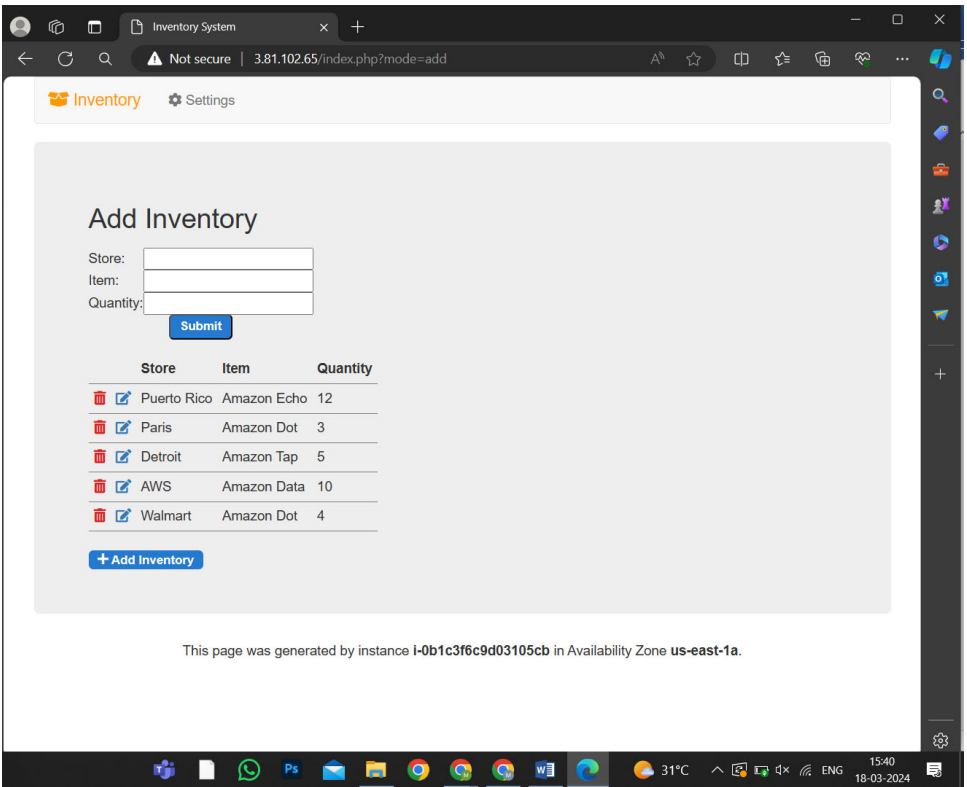
Database: pes1ug22cs815

Username: admin

Password: lab-password

Save

2c. Inventory table:



Inventory System Add Inventory

Store:

Item:

Quantity:

Submit

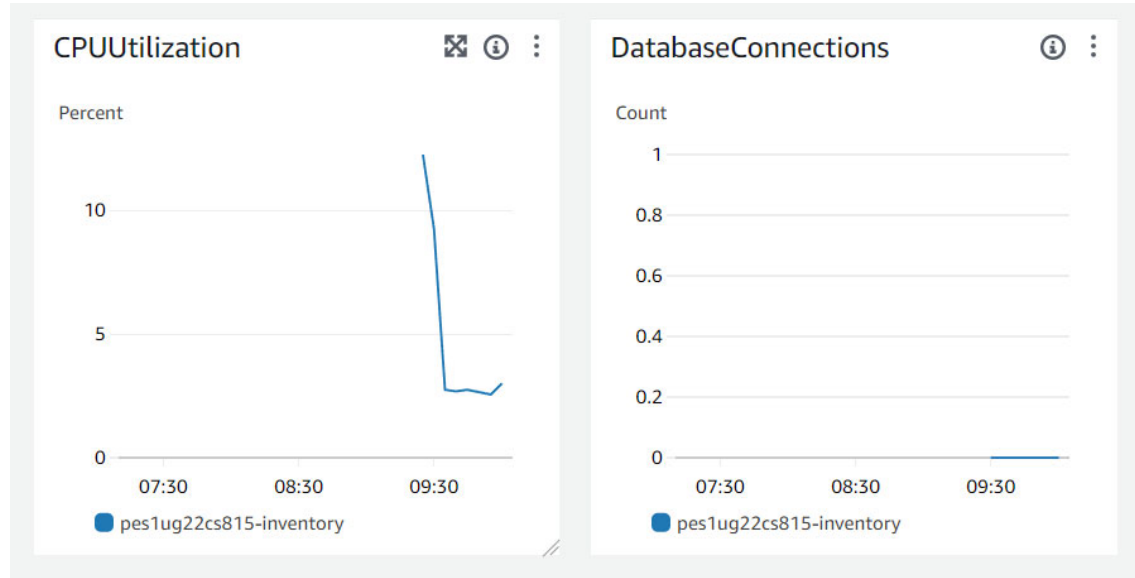
Store	Item	Quantity
Puerto Rico	Amazon Echo	12
Paris	Amazon Dot	3
Detroit	Amazon Tap	5
AWS	Amazon Data	10
Walmart	Amazon Dot	4

+ Add Inventory

This page was generated by instance i-0b1c3f6c9d03105cb in Availability Zone us-east-1a.

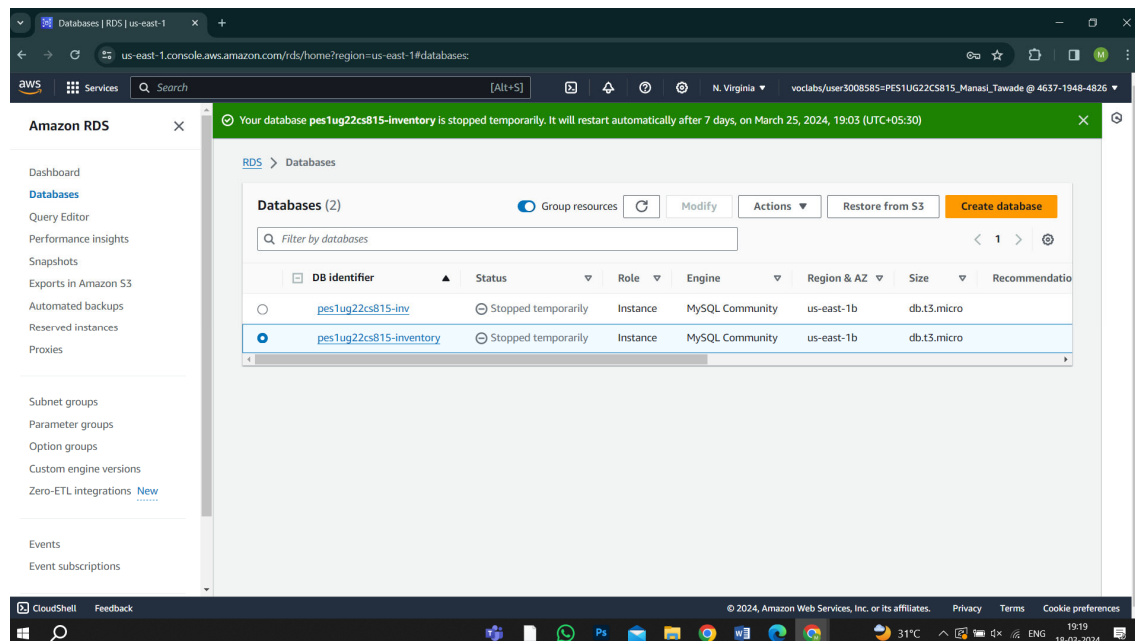
TASK-3 : Monitoring the Database Instance:

3. Observe the CloudWatch metrics indicating respective database Instance parameters as shown in example below.



TASK-4 : Performing operations on the Database.

4. Refresh the browser after a few minutes to verify that the instance is stopped. (Status = Stopped).



Final assessment results

Your Score: 100% (100 points)

Passing Score: 70% (70 points)

Result:

Congratulations! You passed.

Review Quiz Retry Quiz

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- Then share your badge on your LinkedIn or other social media profile to let peers know about your accomplishment.
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