

NAME : NAGAVENI L G

SRN : PES2UG21CS315

SEC : 6F

TASK 1

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

The screenshot shows the AWS Management Console 'Settings' page for a new RDS database instance. The top navigation bar includes the AWS logo, 'Services', a search icon, and a user profile dropdown showing 'voclabs/user3001757=PES2UG21CS315_N'. Below the navigation bar, the 'Settings' section is displayed. It includes a 'DB instance identifier' field with the value 'PES2UG21CS315-Inventory' and a description: 'Type a name for your DB instance. The name must be unique across all DB instances owned by your AWS account in the current AWS Region.' Below this, a note states: 'The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mydbinstance"). Constraints: 1 to 60 alphanumeric characters or hyphens. First character must be a letter. Can't contain two consecutive hyphens. Can't end with a hyphen.' The 'Credentials Settings' section is expanded, showing the 'Master username' field with the value 'admin' and a description: 'Type a login ID for the master user of your DB instance.' Below this, a note states: '1 to 16 alphanumeric characters. The first character must be a letter.' Under 'Credentials management', there are two options: 'Managed in AWS Secrets Manager - most secure' (unselected) and 'Self managed' (selected). The 'Self managed' option has a description: 'Create your own password or have RDS create a password that you manage.'

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

aws

Services

N. ▾

voclabs/user3001757=PES2UG21CS315_N ▾

EC2

VPC

☰

▼ **Additional configuration**

Database options, encryption turned on, backup turned on, backtrack turned off, maintenance, CloudWatch Logs, delete protection turned off.

Database options

Initial database name [Info](#)

PES2UG21CS315

If you do not specify a database name, Amazon RDS does not create a database.

DB parameter group [Info](#)

default.mysql8.0 ▾

Option group [Info](#)

default:mysql-8-0 ▾

Backup

☒ Enable automated backups

Creates a point-in-time snapshot of your database

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

aws

Services

Search

[Alt+S]

N. Virginia ▾

voclabs/user3001757=PES2UG21CS315_Nagaveni_L_G @ 5275-0120-8244 ▾

EC2

VPC

☰

☑ Successfully created database pes2ug21cs315-inventory

View connection details

×

🔔

You can use settings from pes2ug21cs315-inventory to simplify configuration of [suggested database add-ons](#) while we finish creating your DB for you.

RDS > Databases

ℹ Consider creating a Blue/Green Deployment to minimize downtime during upgrades

You may want to consider using Amazon RDS Blue/Green Deployments and minimize your downtime during upgrades. A Blue/Green Deployment provides a staging environment for changes to production databases. [RDS User Guide](#) [Aurora User Guide](#)

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Databases (1)

Group resources

Modify

Actions ▾

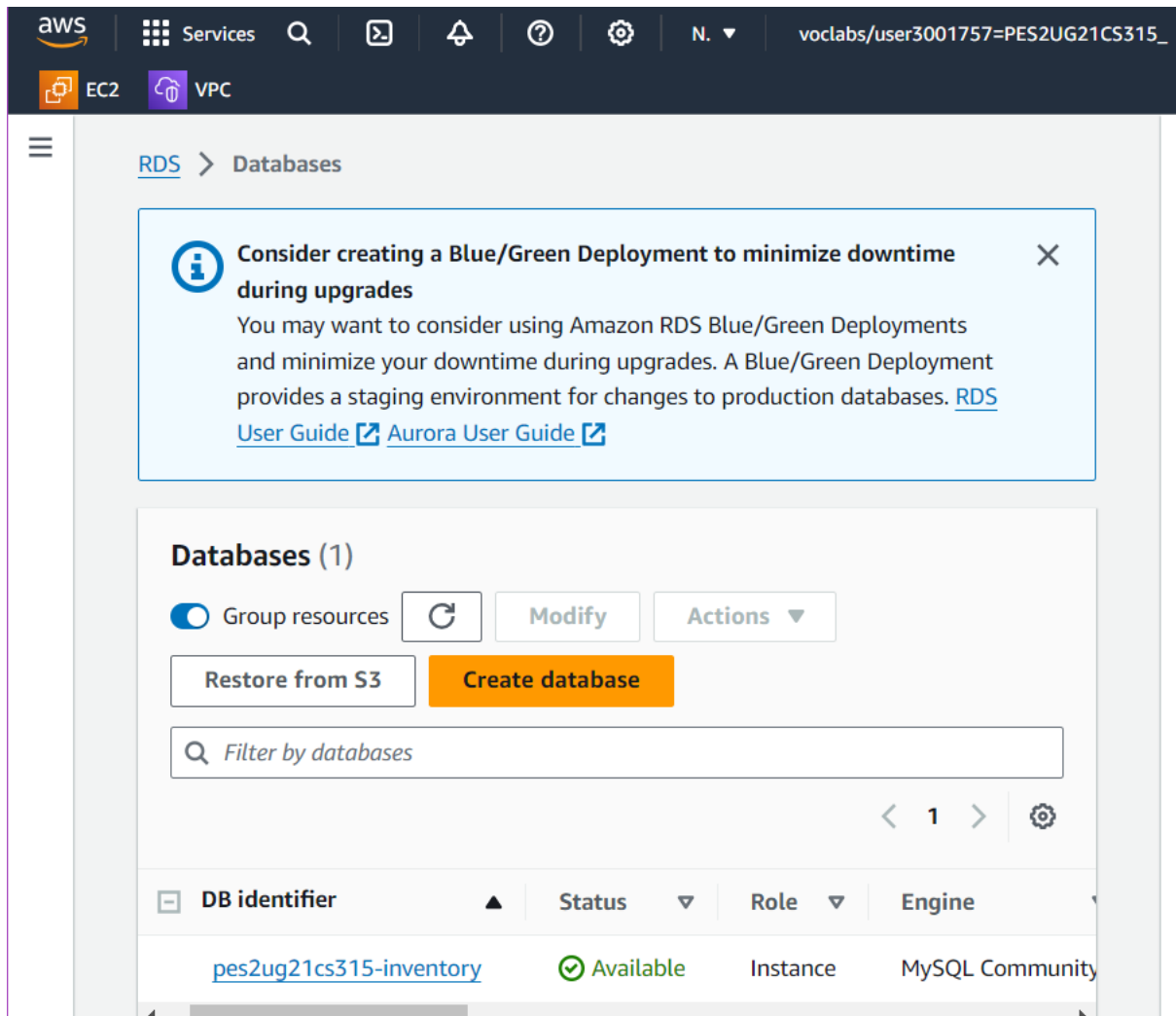
Restore from S3

Create database

Filter by databases

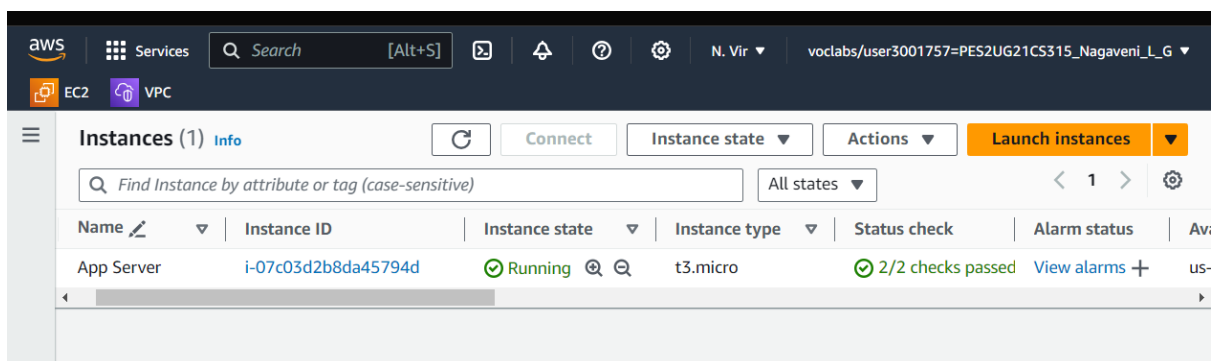
< 1 > ⚙

| DB identifier | Status | Role | Engine | Region & AZ | Size | Recommendations | CPU | Current c |
|---|---------|----------|-----------------|-------------|-------------|-----------------|--------|-----------|
| pes2ug21cs315-inventory | Back-up | Instance | MySQL Community | us-east-1a | db.t3.micro | | 45.51% | |





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.



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 Inventory  Settings

Endpoint

pes2ug21cs315-inventory.cwt324chtst9.us-east-1.rds.amazonaws.com

Database

PES2UG21CS315

Username



admin











Password

lab-password

Save

2c. Inventory table:

 Inventory  Settings

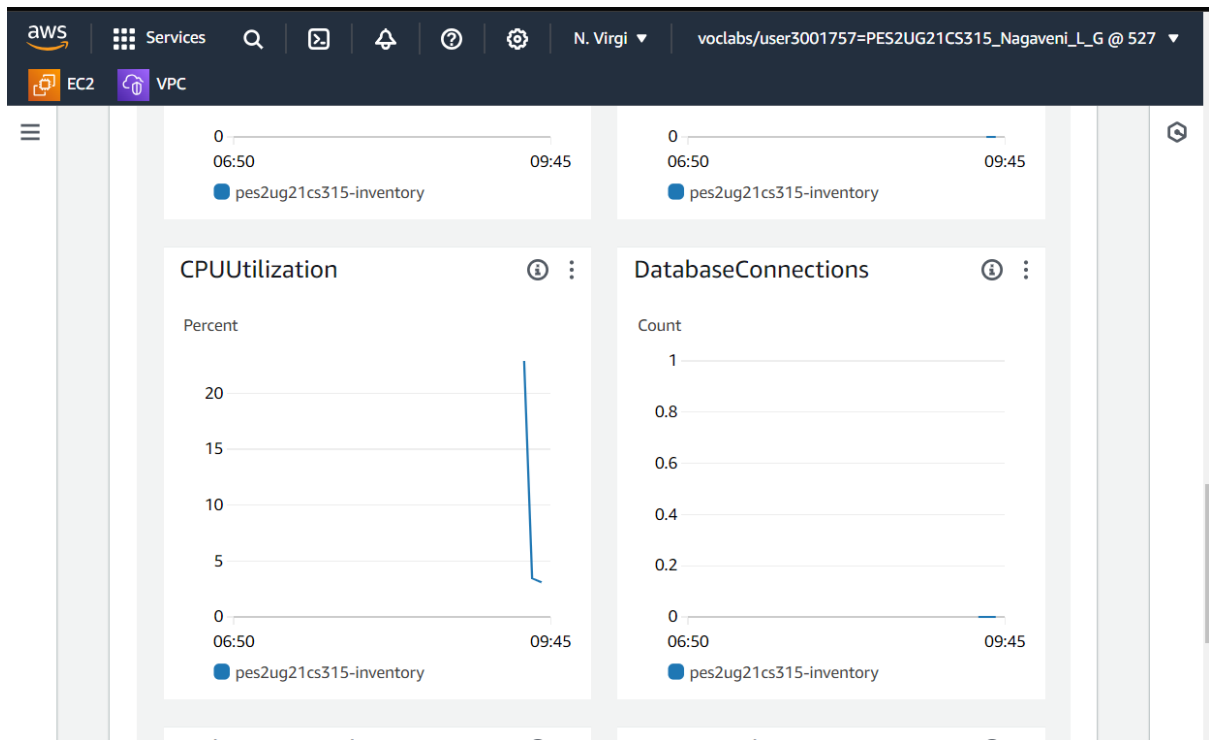
| | Store | Item | Quantity |
|---|-------------|-------------|----------|
|   | Puerto Rico | Amazon Echo | 12 |
|   | Paris | Amazon Dot | 3 |
|   | Detroit | Amazon Tap | 5 |
|   | Aws | Amazon Data | 10 |
|   | Walmart | Amazon Dot | 4 |

+ Add Inventory

This page was generated by instance **i-07c03d2b8da45794d** 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).

The screenshot shows the AWS RDS console for the database instance `pes2ug21cs315-inventory`. A green banner at the top states: "Your database `pes2ug21cs315-inventory` is stopped temporarily. It will restart automatically after 7 days, on March 26, 2024, 15:22 (UTC+05:30)". Below this, the instance details are shown in a summary table.

| DB identifier | Status | Role | Engine | Recommendations |
|-------------------------|---------------------|------------------|-----------------|-----------------|
| pes2ug21cs315-inventory | Stopped temporarily | Instance | MySQL Community | |
| CPU | Class | Current activity | Region & AZ | |
| 3.14% | db.t3.micro | 0 Connections | us-east-1a | |

Below the summary table, there are tabs for 'Connectivity & security', 'Monitoring', 'Logs & events', 'Configuration', 'Zero-ETL integrations', 'Maintenance & backups', 'Tags', and 'Recommendations'.

Score :

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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