

Step 1: Create security group

The screenshot shows two windows side-by-side. On the left is a browser window for 'awsacademy.instructure.com' titled 'ACFv2EN-55083 Lab 5 - Build a Database Server'. It displays instructions for creating a security group, mentioning the 'Web Security Group' and a MySQL/Aurora inbound rule on port 3306. On the right is the 'VPC Console' for 'us-east-1'. A security group named 'DB Security Group' is being created with an inbound rule for MySQL/Aurora on port 3306 from a custom source. The task 'Task 2: Create a DB Subnet Group' is visible at the bottom of the lab interface.

Step 2: Create DB Subnet Group

The screenshot shows two windows side-by-side. On the left is a browser window for 'awsacademy.instructure.com' titled 'ACFv2EN-55083 Lab 5 - Build a Database Server'. It displays instructions for creating a DB subnet group, mentioning subnets associated with CIDR ranges 10.0.1.0/24 and 10.0.3.0/24. On the right is the 'Amazon RDS' console under 'Subnet groups'. A new 'Create DB subnet group' dialog is open, showing fields for 'Name' (DB-Subnet-Group), 'Description' (DB Subnet Group), and 'VPC' (Lab VPC). The 'Add subnets' section is visible below.

Step 3: Create a database

The screenshot shows two browser windows side-by-side. The left window is from AWS Academy, displaying a lab titled "Lab 5 - Build a Database". It contains instructions for creating a database, mentioning "Production" and "Dev/Test" options, and a note about "Auto minor version upgrade". The right window is the AWS RDS console, specifically the "Create DB instance" wizard. It shows the "Templates" section with "Dev/Test" selected, followed by "Availability and durability" and "Deployment options" sections. The "DB instance identifier" field is set to "lab-db". The "Credentials Settings" section includes fields for "Master username" (set to "main") and "Master password". The "Auto generate a password" checkbox is checked. The bottom of the screen shows a Windows taskbar with various icons.

database deploy faster for this lab.

29. Choose Create database

Your database will now be launched.

If you receive an error that mentions "not authorized to perform: iam:CreateRole", make sure you unchecked *Enable Enhanced monitoring* in the previous step.

30. Choose **lab-db** (choose the link itself).

You will now need to wait **approximately 4**

← Previous Next →

RDS | us-east-1 cidr in aws management N. Vir vodabs/user2753113-104219428@student.swin.edu

Auto minor version upgrade

Specify Yes to enable automatic upgrades to new minor versions as they are released. The automatic upgrades occur during the maintenance window for the DB instance [Learn more](#)

Templates

Choose a sample template to meet your use case.

Production Dev/Test Free tier

Dev/Test This instance is intended for development use outside of a production environment.

Free tier Use RDS Free Tier to develop new applications, test existing applications, or gain hands-on experience with Amazon RDS. [Info](#)

Availability and durability

Deployment options

Multi-AZ DB Cluster - new Multi-AZ instance Single DB instance

Multi-AZ DB Cluster - new Creates a DB cluster with a primary DB instance and two readable standby DB instances, with each DB instance in a different Availability Zone (AZ). Provides high availability, data redundancy and increases capacity to serve read workloads.

Multi-AZ instance Creates a primary DB instance and a standby DB instance in a different AZ. Provides high availability and data redundancy, but the standby DB instance doesn't support connections for read workloads.

Single DB instance Creates a single DB instance with no standby DB instances.

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The screenshot shows two browser windows side-by-side. The left window is titled 'Lab 5 - Build a Database' and displays instructions for creating a database. The right window is titled 'RDS | us-east-1' and shows the 'Instance configuration' and 'Connectivity' tabs of the AWS RDS console.

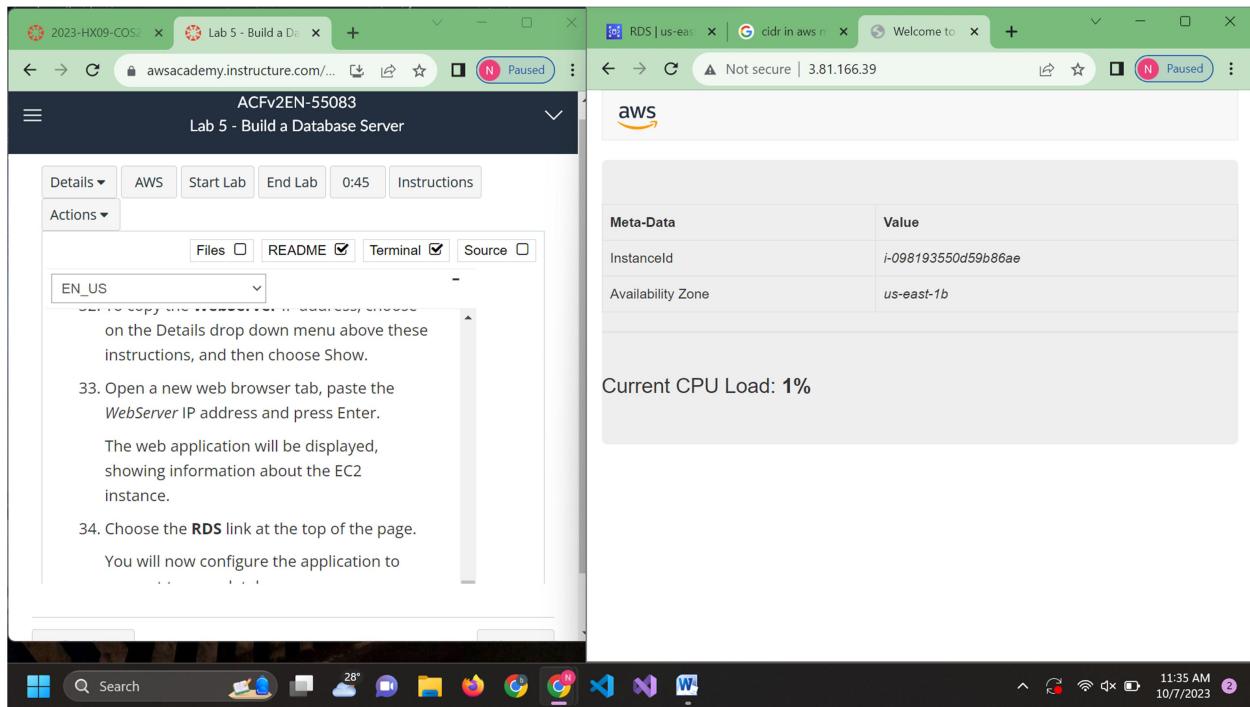
Lab 5 - Build a Database (Left Window):

- Details, AWS, Start Lab, End Lab, 1:02, Instructions
- Actions, EN_US
- Files, README, Terminal, Source
- database deploy faster for this lab.
- 29. Choose Create database
Your database will now be launched.
If you receive an error that mentions "not authorized to perform: iam:CreateRole", make sure you unchecked *Enable Enhanced monitoring* in the previous step.
- 30. Choose **lab-db** (choose the link itself).
You will now need to wait **approximately 4**

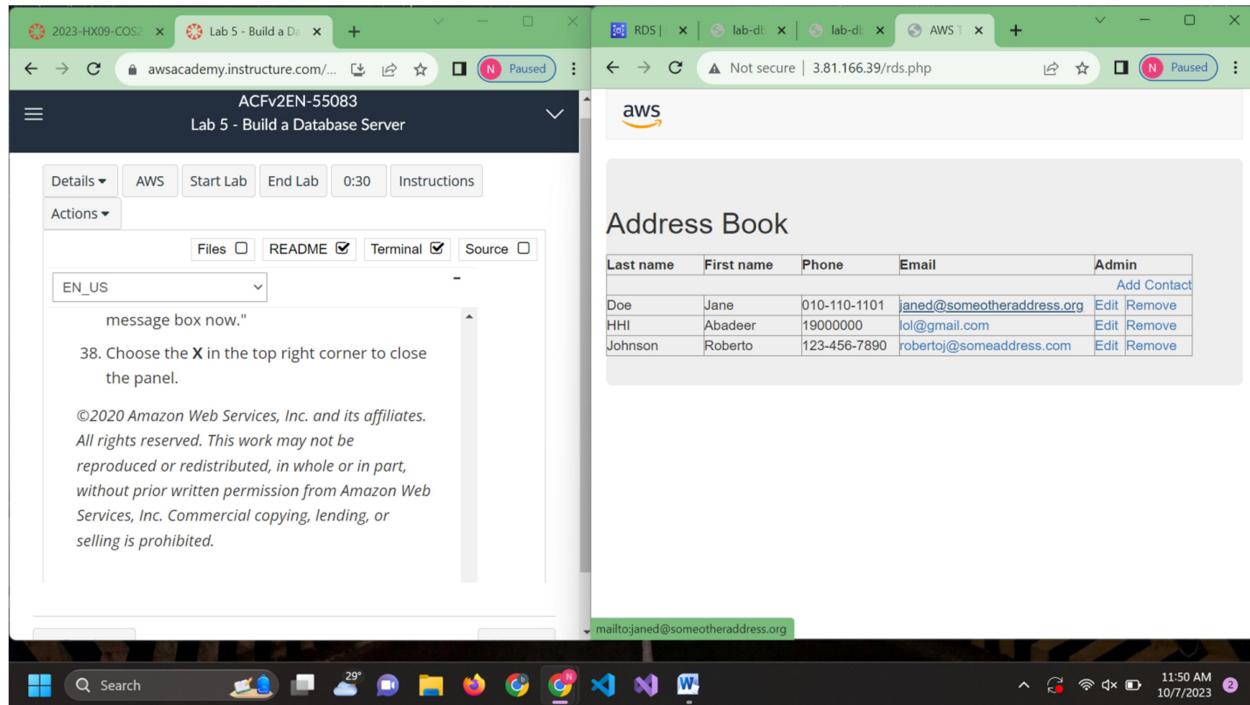
RDS | us-east-1 (Right Window):

- Instance configuration:** Shows 'Amazon RDS Optimized Writes - new' info. DB instance class: db.t3.micro (2 vCPUs, 1 GB RAM, Network: 2,085 Mbps). Storage type: General Purpose SSD (gp3). Allocated storage: 20.
- Auto minor version upgrade:** Specified as 'Yes'.
- Connectivity:** Compute resource: 'Don't connect to an EC2 compute resource'. Virtual private cloud (VPC): 'Lab VPC (vpc-0cc529d3911c6f0fe)'. DB subnet group: 'db-subnet-group' (2 Subnets, 2 Availability Zones).
- Auto minor version upgrade:** Specified as 'Yes'.

Step 4: Config webpage to interact with the DB



Step 5: Access the webserver and use the endpoint copied from the database info and test it



The screenshot shows a Windows desktop environment with two browser windows open side-by-side.

Left Browser Window:

- Title: ACFv2EN-55083
- Page: Lab 5 - Build a Database Server
- Content:
 - Instructions: "message box now."
 - Task: "38. Choose the X in the top right corner to close the panel."
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Right Browser Window:

- Title: AWS
- Page: Address Book
- Content: "Entry has been removed"
- Table: Address Book entries
| Last name | First name | Phone | Email | Admin |
| --- | --- | --- | --- | --- |
| Doe | Jane | 010-110-1101 | janed@someotheraddress.org | [Edit](#) [Remove](#) |
| Johnson | Roberto | 123-456-7890 | roberto@someaddress.com | [Edit](#) [Remove](#) |