

gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

Endpoint services

NAT gateways

Peering connections

▼ Security

Network ACLs

Security groups

▼ DNS firewall

Rule groups

Domain lists

▼ Network Firewall

Firewalls

Firewall policies

Network Firewall rule groups

TLS Inspection

### Security Groups (5) [Info](#)

☐

Name

▼

☐

Security group ID

▼

☐

Security group name

▼

☐

VPC ID

▼

☐

Description

<input type="checkbox"/>	-	<a href="#">sg-04ed763b803ec3756</a>	default	<a href="#">vpc-097558ffc66bfbdb8a</a>	default VPC security gr
<input type="checkbox"/>	Web Security Group	<a href="#">sg-01d87acfa3f54adb5</a>	Web Security Group	<a href="#">vpc-0ccf7cefc15f51e28</a>	Enable HTTP access
<input type="checkbox"/>	-	<a href="#">sg-0a0e9683c68d98e25</a>	default	<a href="#">vpc-0ccf7cefc15f51e28</a>	default VPC security gr



VPC dashboard X

EC2 Global View

Filter by VPC:

Select a VPC

Virtual private cloud

- Your VPCs
- Subnets
- Route tables
- Internet gateways
- Egress-only internet gateways
- Carrier gateways
- DHCP option sets
- Elastic IPs
- Managed prefix lists
- Endpoints
- Endpoint services
- NAT gateways
- Peering connections

Security

Security group (sg-090e6ff52160a1859 | DB Security Group) was created successfully

Details

VPC > Security Groups > sg-090e6ff52160a1859 - DB Security Group

## sg-090e6ff52160a1859 - DB Security Group

Actions

Details

Security group name	Security group ID	Description	VPC ID
DB Security Group	sg-090e6ff52160a1859	Permit access from Web Security Group	vpc-0ccf7cefc15f51e28
Owner	Inbound rules count	Outbound rules count	
533267358209	1 Permission entry	1 Permission entry	

Inbound rules Outbound rules Tags

Inbound rules (1)

Manage tags Edit inbound rules



## Amazon RDS

- Dashboard
- Databases
- Query Editor
- Performance Insights
- Snapshots
- Exports In Amazon S3
- Automated backups
- Reserved instances
- Proxies
- Subnet groups**
- Parameter groups
- Option groups
- Custom engine versions
- Zero-ETL integrations [New](#)
- Events
- Event subscriptions

✓ Successfully created DB-Subnet-Group. [View subnet group](#)

### RDS > Subnet groups

#### Subnet groups (1)

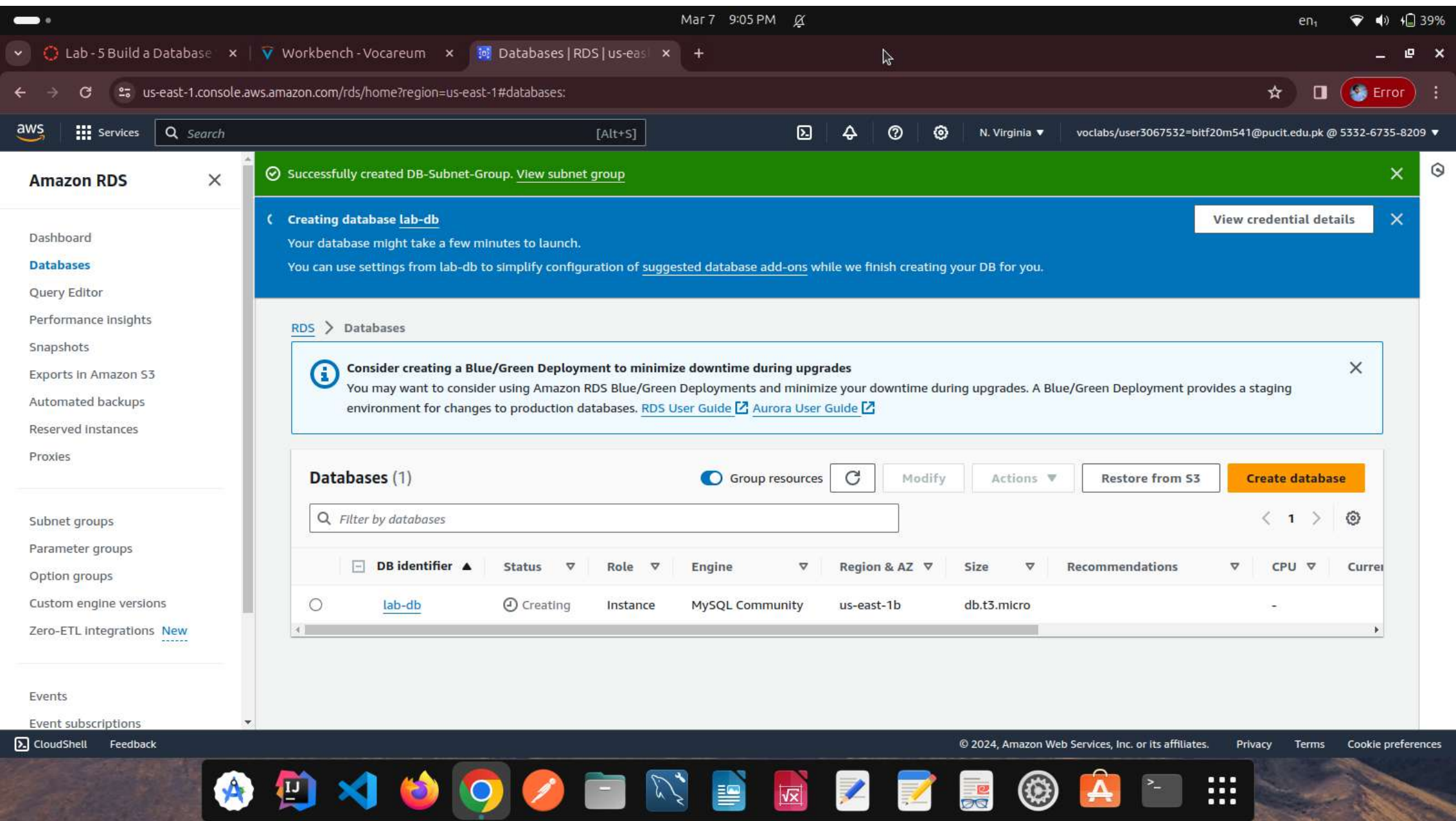
[Refresh](#) [Edit](#) [Delete](#) [Create DB subnet group](#)

Filter by subnet group

< 1 > ⚙

<input type="checkbox"/>	Name	Description	Status	VPC
<input type="checkbox"/>	<a href="#">db-subnet-group</a>	DB Subnet Group	✓ Complete	vpc-0ccf7cefc15f51e28







## Amazon RDS

- Dashboard
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- Event subscriptions

Successfully created DB-Subnet-Group. [View subnet group](#)

Successfully created database lab-db [View connection details](#)  
You can use settings from lab-db to simplify configuration of [suggested database add-ons](#) while we finish creating your DB for you.

### RDS > Databases

**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](#)

Databases (1) ☒ Group resources [Refresh](#) [Modify](#) [Actions](#) [Restore from S3](#) [Create database](#)

<input type="checkbox"/>	DB identifier ▲	Status ▼	Role ▼	Engine ▼	Region & AZ ▼	Size ▼	Recommendations ▼	CPU ▼	Curr
<input type="radio"/>	<a href="#">lab-db</a>	Modifying	Instance	MySQL Community	us-east-1b	db.t3.micro			



Meta-Data	Value
InstanceId	i-077cdb678a4d21cd2
Availability Zone	us-east-1b

Current CPU Load: 0%



**Endpoint**

**Database**

**Username**

**Password**



## Address Book

Last name	First name	Phone	Email	Admin	
				<a href="#">Add Contact</a>	
Doe	Jane	010-110-1101	<a href="#">janed@someotheraddress.org</a>	<a href="#">Edit</a>	<a href="#">Remove</a>
Johnson	Roberto	123-456-7890	<a href="#">roberto@someaddress.com</a>	<a href="#">Edit</a>	<a href="#">Remove</a>







Load Test RDS

## Address Book

Data Updated!

Last name	First name	Phone	Email	Admin	
				<a href="#">Add Contact</a>	
Johnson	Roberto	123-456-7890	<a href="mailto:robertoj@someaddress.com">robertoj@someaddress.com</a>	<a href="#">Edit</a>	<a href="#">Remove</a>
Qadir	Abdul	010-110-1101	<a href="mailto:janed@someotheraddress.org">janed@someotheraddress.org</a>	<a href="#">Edit</a>	<a href="#">Remove</a>



Mar 7 9:20 PM

en<sub>1</sub> 68%

Lab - 5 Build a Database x Workbench - Vocareum x Databases | RDS | us-east-1 x +

labs.vocareum.com/main/main.php?m=clabide&mode=s&asnid=2610324&stepid=2610325&hideNavBar=1

☆ □ Error

AWS

00:40 ▶ Start Lab ■ End Lab ⓘ AWS Details ⓘ Details ✕

EN-US ▼

A message will appear explaining that the application is running a command to copy information to the database. After a few seconds the application will display an **Address Book**.

The Address Book application is using the RDS database to store information.

38. Test the web application by adding, editing and removing contacts.

The data is being persisted to the database and is automatically replicating to the second Availability Zone.

## Submitting your work

39. To record your progress, choose **Submit** at the top of these instructions.

40. When prompted, choose **Yes**.

After a couple of minutes, the grades panel appears and shows you how many points you earned for each task. If the results don't display after a couple of minutes, choose **Grades** at the top of these instructions.

💡 **Tip:** You can submit your work multiple times. After you change your work, choose **Submit** again. Your last submission is recorded for this lab.

Submit Submission Report Grades

Total score	20/20
Task 1 - Security Group created	5/5
Task 2 - DB subnet group	5/5
Task 3 - DB created	5/5
Task 4 - App connected to DB	5/5