



Oğuzhan
Selçuk
Hızıroğlu

Bu çalışma Oğuzhan Selçuk Hızıroğlu tarafından AWS re/Start Cohort-2 öğrencileri için hazırlanmıştır.

labs.vocareum.com/main/main.php?m=clabide&mode=s&asnid=297334&stepid=297335&ownerid=2021067&permit=7&tide=1&version=0

Vocareum My Classes Manage Help Oguzhan Hiziroglu

AWS EN-US Used \$0 of \$10 00:00 Start Lab End Lab AWS Details Reset

Build Your DB Server and Interact With Your DB Using an App

This lab is designed to reinforce the concept of leveraging an AWS-managed database instance for solving relational database needs.

Tıkla

Amazon Relational Database Service (Amazon RDS) makes it easy to set up, operate, and scale a relational database in the cloud. It provides cost-efficient and resizable capacity while managing time-consuming database administration tasks, which allows you to focus on your applications and business. Amazon RDS provides you with six familiar database engines to choose from: Amazon Aurora, Oracle, Microsoft SQL Server, PostgreSQL, MySQL and MariaDB.

Objectives

After completing this lab, you can:

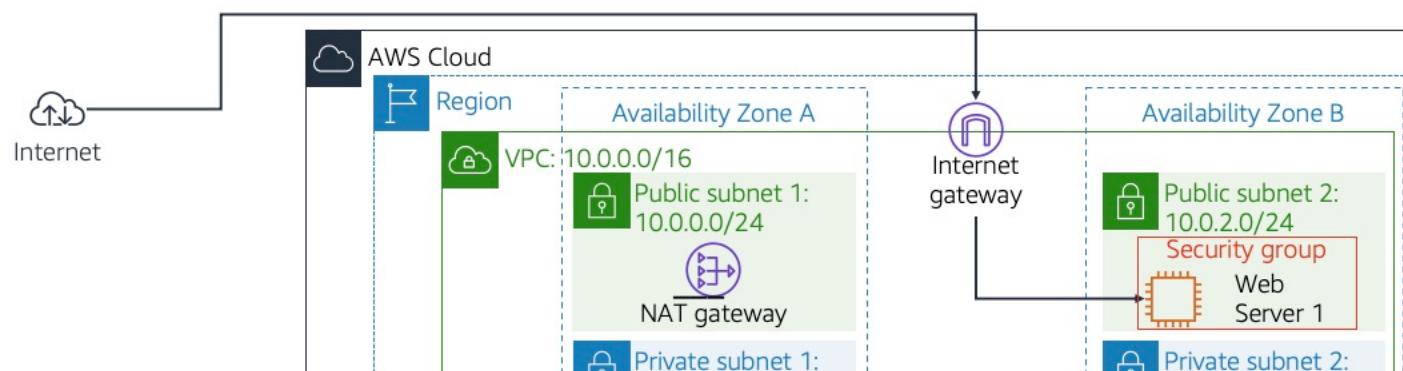
- Launch an Amazon RDS DB instance with high availability.
- Configure the DB instance to permit connections from your web server.
- Open a web application and interact with your database.

Duration

This lab takes approximately **45 minutes**.

Scenario

You start with the following infrastructure:



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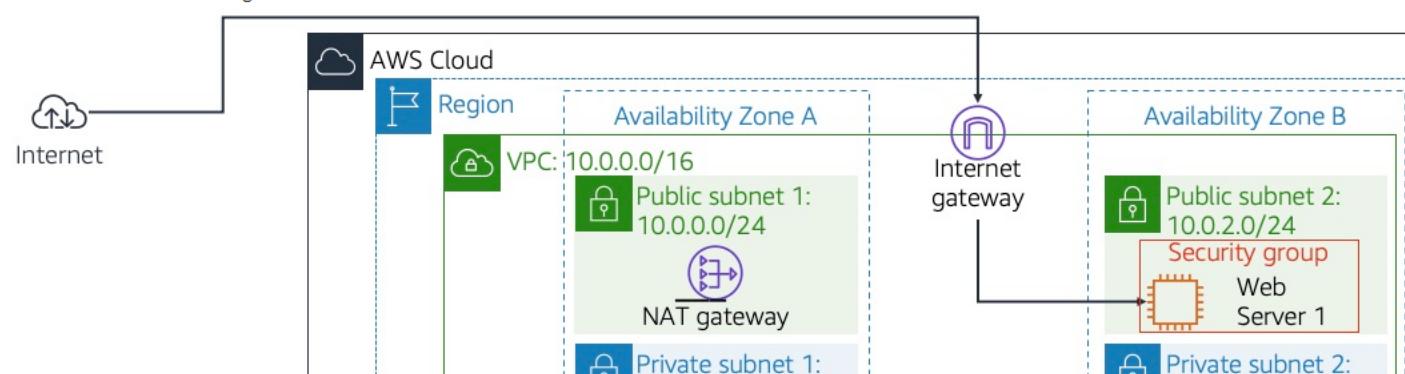
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Vocareum My Classes Manage Help Oguzhan Hiziroglu

AWS EN-US Used \$0 of \$10 02:57 Start Lab End Lab AWS Details Reset

Tikla

Build Your DB Server and Interact With Your DB Using an App

This lab is designed to reinforce the concept of leveraging an AWS-managed database instance for solving relational database needs.

Amazon Relational Database Service (Amazon RDS) makes it easy to set up, operate, and scale a relational database in the cloud. It provides cost-efficient and resizable capacity while managing time-consuming database administration tasks, which allows you to focus on your applications and business. Amazon RDS provides you with six familiar database engines to choose from: Amazon Aurora, Oracle, Microsoft SQL Server, PostgreSQL, MySQL and MariaDB.

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- Open a web application and interact with your database.

Duration

This lab takes approximately **45 minutes**.

Scenario

You start with the following infrastructure:



Home Course Modules: AWS re/Start FC 160-[DF]-Lab - Build Your Database Workbench Vocareum Labs AWS Management Console

us-west-2.console.aws.amazon.com/console/home?region=us-west-2#

aws Services Q vpc 1 'VPC' yaz

Search results for 'vpc'
Try searching with longer queries for more relevant results

Services (12)
Features (56)
Resources New
Documentation (11,335)
Knowledge Articles (20)
Marketplace (473)
Blogs (761)
Events (16)
Tutorials (10)

VPC Isolated network Top features Your VPC gateway Egress-only internet gateways

Bağlantıyı yeni sekmede aç
Bağlantıyı yeni pencerede aç
Bağlantıyı gizli pencerede aç
Bağlantıyı farklı kaydet...
Bağlantı adresini kopyala
İncele

Detective Investigate and Analyze potential security issues

Managed Services IT operations management for AWS

See all 12 results ▶

2 'VPC' servisini yeni sekmede aç

Reset to default layout + Add widgets

Welcome to AWS Learn the fundamentals and find valuable information to get the most out of AWS.

Training and certification Learn from AWS experts and advance your skills and knowledge.

What's new with AWS Discover new AWS services, features, and Regions.

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11:46 26.07.2023

aws Services Search [Alt+S]

Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

VPC dashboard X

Create VPC Launch EC2 Instances

Note: Your Instances will launch in the US West region.

Filter by VPC: Select a VPC

Virtual private cloud

Your VPCs New 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

Network ACLs Security groups DNS firewall Rule groups Domain lists Network Firewall

Resources by Region Refresh Resources

You are using the following Amazon VPC resources

VPCs See all regions ▾	US West 2	NAT Gateways See all regions ▾	US West 2
Subnets See all regions ▾	US West 8	VPC Peering Connections See all regions ▾	US West 0
Route Tables See all regions ▾	US West 4	Network ACLs See all regions ▾	US West 2
Internet Gateways See all regions ▾	US West 2	Security Groups See all regions ▾	US West 3
Egress-only Internet Gateways See all regions ▾	US West 0	Customer Gateways See all regions ▾	US West 0
DHCP option sets See all regions ▾	US West 1	Virtual Private Gateways See all regions ▾	US West 0
Endpoint Services See all regions ▾	US West 0	Site-to-Site VPN Connections See all regions ▾	US West 0
Running Instances See all regions ▾	US West 1	Running Instances See all regions ▾	US West 1
Endpoint Services See all regions ▾	US West 0	Running Instances See all regions ▾	US West 1

Service Health

View complete service health details

Settings

Zones Console Experiments

Additional Information

VPC Documentation All VPC Resources Forums Report an Issue

AWS Network Manager

AWS Network Manager provides tools to help you manage and monitor your network on AWS. Network Manager makes it easier to perform connectivity management, network monitoring and troubleshooting, IP management, and network security and governance.

Get started with Network Manager

Site-to-Site VPN Connections

Amazon VPC enables you to use your own isolated resources within the AWS Cloud, and then connect those resources directly to your own datacenter using industry-standard encrypted IPsec VPN connections.

Create VPN Connection

'Security groups' butonuna tıkla

Course Modules: AWS re/Start F 160-[DF]-Lab - Build Your Database Workbench Vocareum Labs AWS Management Console VPC Management Console

us-west-2.console.aws.amazon.com/vpc/home?region=us-west-2#SecurityGroups:

aws Services Search [Alt+S]

Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

VPC dashboard X

EC2 Global View New

Filter by VPC: Select a VPC

Virtual private cloud

Your VPCs New

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 groups

Network ACLs

Security groups

DNS firewall

Rule groups

Domain lists

Network Firewall

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Actions Export security groups to CSV Create security group

Security Groups (3) Info Filter security groups

Name	Security group ID	Security group name	VPC ID	Description	Owner	Inbound rules count	Outbound rules count
-	sg-08f5216418e10c0f1	default	vpc-061b7d6153d6ff67e	default VPC security gr...	003108605439	1 Permission entry	1 Permission entry
-	sg-01d5b9ca9523d8f76	default	vpc-0fb6384d8dbe0c50b	default VPC security gr...	003108605439	1 Permission entry	1 Permission entry
Web Security Group	sg-09812560a1caeab06	Web Security Group	vpc-0fb6384d8dbe0c50b	Enable HTTP access	003108605439	2 Permission entries	1 Permission entry

'Create security group' butonuna tıkla

30°C Güneşli 11:47 26.07.2023

us-west-2.console.aws.amazon.com/vpc/home?region=us-west-2#CreateSecurityGroup:

aws Services Search [Alt+S]

Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

Oregon voclabs/user2649775=_Student_View__Oguzhan_H_z_rogul @ 0031...

VPC > Security Groups > Create security group

Create security group Info

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

Basic details

Security group name Info
DB Security Group 1

Description Info
Permit access from Web Security Group 2

VPC Info
 3 'Default VPC'yi kaldır

Inbound rules Info

This security group has no inbound rules.

Add rule

Outbound rules Info

Type <small>Info</small>	Protocol <small>Info</small>	Port range <small>Info</small>	Destination <small>Info</small>	Description - optional <small>Info</small>
All traffic	All	All	Custom	<input type="text"/>

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us-west-2.console.aws.amazon.com/vpc/home?region=us-west-2#CreateSecurityGroup:

aws Services Search [Alt+S]

Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

VPC > Security Groups > Create security group

Create security group Info

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

Basic details

Security group name Info
DB Security Group
Name cannot be edited after creation.

Description Info
Permit access from Web Security Group

VPC Info
Search |
vpc-061b7d6153d6ff67e (default)
172.31.0.0/16
vpc-0fb6384d8dbe0c50b (Lab VPC) 10.0.0.0/16

'Lab VPC'yi seç

This security group has no inbound rules.

Add rule

Outbound rules Info

Type <small>Info</small>	Protocol <small>Info</small>	Port range <small>Info</small>	Destination <small>Info</small>	Description - optional <small>Info</small>
All traffic	All	All	Custom	

Delete

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us-west-2.console.aws.amazon.com/vpc/home?region=us-west-2#CreateSecurityGroup:

aws Services Search [Alt+S]

Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

VPC > Security Groups > Create security group

Create security group Info

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

Basic details

Security group name Info
DB Security Group
Name cannot be edited after creation.

Description Info
Permit access from Web Security Group

VPC Info
vpc-0fb6384d8dbe0c50b 1 'Lab VPC' seçildi ✓

2 Add rule

Inbound rules Info

This security group has no inbound rules.

Outbound rules Info

Type <small>Info</small>	Protocol <small>Info</small>	Port range <small>Info</small>	Destination <small>Info</small>	Description - optional <small>Info</small>
All traffic	All	All	Custom	

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us-west-2.console.aws.amazon.com/vpc/home?region=us-west-2#CreateSecurityGroup:

aws Services Search [Alt+S]

Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

VPC > Security Groups > Create security group

Create security group Info

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

Basic details

Security group name Info
DB Security Group
Name cannot be edited after creation.

Description Info
Permit access from Web Security Group

VPC Info
vpc-0fb6384d8dbe0c50b

Inbound rules Info

Type Info: MySQL/Aurora
Protocol Info: TCP
Port range Info: 3306
Source Info: Custom
Description - optional Info

1 Add rule

2 sg

3 'Web Security Group'u seç

4 Sayfada aşağı doğru ilerle

Outbound rules Info

Type Info: All traffic
Protocol Info: All
Port range Info: All
Destination Info: Custom
Description - optional Info

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us-west-2.console.aws.amazon.com/vpc/home?region=us-west-2#CreateSecurityGroup:

aws Services Search [Alt+S]

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Inbound rules Info

Type <small>Info</small>	Protocol <small>Info</small>	Port range <small>Info</small>	Source <small>Info</small>	Description - optional <small>Info</small>
MySQL/Aurora	TCP	3306	Custom	sg-09812560a1caeaa806 X

Add rule

Outbound rules Info

Type <small>Info</small>	Protocol <small>Info</small>	Port range <small>Info</small>	Destination <small>Info</small>	Description - optional <small>Info</small>
All traffic	All	All	Custom	0.0.0.0/0 X

Add rule

Tags - optional

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

No tags associated with the resource.

Add new tag

You can add up to 50 more tags

Create security group

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11:52 26.07.2023

aws Services Search [Alt+S]

VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

VPC dashboard EC2 VPC

Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

Security group (sg-0d6fea00fd1f3a65f | DB Security Group) was created successfully

Details

VPC > Security Groups > sg-0d6fea00fd1f3a65f - DB Security Group

sg-0d6fea00fd1f3a65f - DB Security Group

Actions ▾

Details

Security group name DB Security Group	Security group ID sg-0d6fea00fd1f3a65f	Description Permit access from Web Security Group	VPC ID vpc-0fb6384d8dbe0c50
Owner 003108605439	Inbound rules count 1 Permission entry	Outbound rules count 1 Permission entry	

Inbound rules Outbound rules Tags

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer X

Inbound rules (1/1)

Name	Security group rule...	IP version	Type	Protocol	Port range	Source	Description
-	sgr-0b42836981f8dda2e	-	MYSQL/Aurora	TCP	3306	sg-09812560a1caeae80...	-

G Manage tags Edit inbound rules

< 1 > ⚙

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us-west-2.console.aws.amazon.com/vpc/home?region=us-west-2#SecurityGroup:groupId=sg-0d6fea00fd1f3a65f

aws Services Q rds 1 'RDS' yaz

Route 53 S3

VPC dashboard EC2 Global View Filter by VPC: Select a VPC

Virtual private cloud Your VPCs New 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 Network ACLs Security groups

DNS firewall Rule groups Domain lists

Network Firewall

Search results for 'rds'
Try searching with longer queries for more relevant results

Services (14) Features (32) Resources New Documentation (16,423) Knowledge Articles (20) Marketplace (508) Blogs (1,896) Events (40) Tutorials (17)

RDS ☆ 2 'RDS' servisini aç

Managed Relational Database Service

Top features Dashboard Databases Query Editor Performance Insights Snapshots

AWS FIS ☆ Improve resiliency and performance with controlled experiments.

Database Migration Service ☆ Managed Database Migration Service

Amazon OpenSearch Service ☆ Run open-source OpenSearch or Elasticsearch using Managed Clusters or Serverless ...

Features Reserved instances See all 32 results ▶ RDS feature

Proxies RDS feature

Databases RDS feature

Actions

Description VPC ID
Permit access from Web Security Group
vpc-0fb6384d8dbe0c50b

Inbound rules count
Permission entry

Run Reachability Analyzer X

C Manage tags Edit inbound rules < 1 >

Protocol	Port range	Source	Description
TCP	3306	sg-09812560a1caeae80...	-

https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2

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Home Course Modules: AWS re/Start F 160-[DF]-Lab - Build Your Database Workbench Vocareum Labs AWS Management Console Dashboard - RDS Management

us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#

aws Services Search [Alt+S]

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Amazon RDS

Introducing Aurora I/O-Optimized

Aurora's I/O-Optimized is a new cluster storage configuration that offers predictable pricing for all applications and improved price-performance, with up to 40% costs savings for I/O-intensive applications.

Try the new Amazon RDS Multi-AZ deployment option for MySQL and PostgreSQL

For your Amazon RDS for MySQL and PostgreSQL workloads, improve transactional commit latencies by 2x, experience faster failover typically less than 35 seconds and, get read scalability with two readable standby DB instances by deploying the Multi-AZ DB cluster [Learn more](#)

Create database Or, Restore Multi-AZ DB Cluster from Snapshot

Resources Refresh Subnet groups Parameter groups Option groups Custom engine versions Zero-ETL integrations Preview Events Event subscriptions Recommendations 0 Certificate update

Subnet groups (0/50) Default network vpc-061b7d6153d6ff67e

DB Clusters (0/40) Reserved instances (0/40) Snapshots (0) Manual DB Cluster (0/100) DB Instance (0/100) Automated DB Cluster (0) DB Instance (0) Recent events (0) Event subscriptions (0/20)

Parameter groups (0) Default (0) Custom (0/100) Option groups (0) Default (0) Custom (0/20) Subnet groups (0/50) Supported platforms VPC

Recommended for you

Time-Series Tables in PostgreSQL Step-by-step guide to design high-performance time series data tables on Amazon RDS for PostgreSQL. [Learn more](#)

Migrate SSRS to RDS for SQL Server Learn how you can migrate existing SSRS content to an Amazon RDS for SQL Server instance using a PowerShell module. [Learn more](#)

Build RDS Operational Tasks Watch how to enable users to perform common tasks such as snapshots or restart DB instances in Amazon RDS. [Learn more](#)

Test Your DR Strategy in Minutes Amazon Aurora Global Database now supports planned managed failover, making disaster recovery drills a breeze. [Learn more](#)

Additional information

Getting started with RDS

https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#db-subnet-groups-list:

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Home Course Modules: AWS re/Start F 160-[DF]-Lab - Build Your Database Workbench Vocareum Labs AWS Management Console Subnet Groups - RDS Manager

us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#db-subnet-groups-list:

aws Services Search [Alt+S]

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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 Preview

Events Event subscriptions

Recommendations 0 Certificate update

RDS > Subnet groups

Subnet groups (0)

Filter by subnet group

Name Description Status VPC

No db subnet groups
You don't have any db subnet groups.

Create DB subnet group

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Create DB subnet group

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us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#create-db-subnet-group:

aws Services Search [Alt+S]

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Oregon vocabs/user2649775=_Student_View_Oguzhan_H_z_rogulu@0031...

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 Preview

Events Event subscriptions

Recommendations 0 Certificate update

Create DB subnet group

To create a new subnet group, give it a name and a description, and choose an existing VPC. You will then be able to add subnets related to that VPC.

Subnet group details

Name: DB Subnet Group (1)

Description: DB Subnet Group (2)

VPC: Choose a VPC (3) 'Default VPC'yi kaldır ve 'Lab VPC'yi seç

Availability Zones: Choose an availability zone

Subnets: Select subnets

For Multi-AZ DB clusters, you must select 7 subnets in 7 different Availability Zones.

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us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#create-db-subnet-group:

aws Services Search [Alt+S]

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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 Preview

Events Event subscriptions

Recommendations 0 Certificate update

Create DB subnet group

To create a new subnet group, give it a name and a description, and choose an existing VPC. You will then be able to add subnets related to that VPC.

Subnet group details

Name: DB Subnet Group
Description: DB Subnet Group
VPC: Lab VPC (vpc-0fb6384d8dbe0c50b)

us-west-2a
 us-west-2b
 us-west-2c
 us-west-2d

Choose an availability zone: us-west-2a X us-west-2b X

Subnets: Select subnets

AZ'leri seç

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Amazon RDS

Dashboard
Databases
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Performance insights
Snapshots
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Automated backups
Reserved instances
Proxies

Subnet groups
Parameter groups
Option groups
Custom engine versions
Zero-ETL integrations [Preview](#)

Events
Event subscriptions

Recommendations 0
Certificate update

RDS > Subnet groups > Create DB subnet group

Create DB subnet group

To create a new subnet group, give it a name and a description, and choose an existing VPC. You will then be able to add subnets related to that VPC.

Subnet group details

Name

You won't be able to modify the name after your subnet group has been created.

Must contain from 1 to 255 characters. Alphanumeric characters, spaces, hyphens, underscores, and periods are allowed.

Description

VPC

Choose a VPC identifier that corresponds to the subnets you want to use for your DB subnet group. You won't be able to choose a different VPC identifier after your subnet group has been created.

Add subnets

us-west-2b

- subnet-00c9f4dc3a67f1b65 (10.0.3.0/24)
- subnet-0c836191046384c93 (10.0.2.0/24)

1

us-west-2a

- subnet-0ec86a552302ecd6a (10.0.0.0/24)
- subnet-002d5bcb1f1a60f2c (10.0.1.0/24)

2

Subnetleri seç

Amazon RDS X

- 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 [Preview](#)

Events

Event subscriptions

Recommendations 0

Certificate update

To create a new subnet group, give it a name and a description, and choose an existing VPC. You will then be able to add subnets related to that VPC.

Subnet group details

Name

You won't be able to modify the name after your subnet group has been created.

Must contain from 1 to 255 characters. Alphanumeric characters, spaces, hyphens, underscores, and periods are allowed.

Description

VPC

Choose a VPC identifier that corresponds to the subnets you want to use for your DB subnet group. You won't be able to choose a different VPC identifier after your subnet group has been created.

Add subnets

Availability Zones

Choose the Availability Zones that include the subnets you want to add.

us-west-2a X us-west-2b X

Subnets

Choose the subnets that you want to add. The list includes the subnets in the selected Availability Zones.

subnet-002d5bcb1f1a60f2c (10.0.1.0/24) X

subnet-00c9f4dc3a67f1b65 (10.0.3.0/24) X

Sayfada aşağı doğru ilerle



Home Course Modules: AWS re/Start | 160-[DF]-Lab - Build Your Database | Workbench | Vocareum Labs | AWS Management Console | RDS Management Console

us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#create-db-subnet-group: Oregon voclabs/user2649775=_Student_View_Oguzhan_H_z_rogulu @ 0031...

aws Services Search [Alt+S]

Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

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 Preview

Events Event subscriptions

Recommendations 0 Certificate update

Add subnets

Availability Zones Choose the Availability Zones that include the subnets you want to add.

Choose an availability zone us-west-2a X us-west-2b X

Subnets Choose the subnets that you want to add. The list includes the subnets in the selected Availability Zones.

Select subnets

subnet-002d5bcb1f1a60f2c (10.0.1.0/24) X subnet-00c9f4dc3a67f1b65 (10.0.3.0/24) X

For Multi-AZ DB clusters, you must select 3 subnets in 3 different Availability Zones.

Subnets selected (2)

Availability zone	Subnet ID	CIDR block
us-west-2a	subnet-002d5bcb1f1a60f2c	10.0.1.0/24
us-west-2b	subnet-00c9f4dc3a67f1b65	10.0.3.0/24

Cancel Create

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Home Course Modules: AWS re/Start | 160-[DF]-Lab - Build Your Database | Workbench Vocareum Labs AWS Management Console Subnet Groups - RDS Manager

us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#db-subnet-groups-list:

aws Services Search [Alt+S]

Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

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Amazon RDS

Successfully created DB Subnet Group. View subnet group

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 [Preview](#)

Events

Event subscriptions

Recommendations 0

Certificate update

RDS > Subnet groups

Subnet groups (1)

Filter by subnet group

Name Description Status VPC

db subnet group DB Subnet Group Complete vpc-0fb6384d8dbe0c50b

Edit Delete Create DB subnet group

https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#databases:

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us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#databases:

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Amazon RDS

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

Introducing Aurora I/O-Optimized

Aurora's I/O-Optimized is a new cluster storage configuration that offers predictable pricing for all applications and improved price-performance, with up to 40% costs savings for I/O-intensive applications.

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 (0)

Group resources C Modify Actions ▾ Restore from S3 Create database

Filter by databases

DB identifier	Status	Role	Engine	Region & AZ	Size	Actions	CPU	Current activity	Maintenance	VPC	Multi-AZ
No instances found											

Events

Event subscriptions

Recommendations 0

Certificate update

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

RDS > Create database

Create database

1 Choose a database creation method [Info](#)

Standard create
You set all of the configuration options, including ones for availability, security, backups, and maintenance.

Easy create
Use recommended best-practice configurations. Some configuration options can be changed after the database is created.

2 Engine options

Engine type [Info](#)

Aurora (MySQL Compatible)

Aurora (PostgreSQL Compatible)

MySQL

MariaDB

PostgreSQL

Oracle

Microsoft SQL Server

3 Sayfada aşağı doğru ilerle

MySQL

MySQL is the most popular open source database in the world. MySQL on RDS offers the rich features of the MySQL community edition with the flexibility to easily scale compute resources or storage capacity for your database.

- Supports database size up to 64 TiB.
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- Supports automated backup and point-in-time recovery.
- Supports up to 15 Read Replicas per instance, within a single Region or 5 read replicas cross-region.

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us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#launch-dbinstance:gdb=false;s3-import=false

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MySQL

Engine Version MySQL 8.0.33

Templates
Choose a sample template to meet your use case.

Production
Use defaults for high availability and fast, consistent performance.

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 [Info](#)
The deployment options below are limited to those supported by the engine you selected above.

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 DB 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.

Settings

DB instance identifier [Info](#)
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.

1 **2** Sayfada aşağı doğru ilerle

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1

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us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#launch-dbinstance:gdb=false;s3-import=false

aws Services Search [Alt+S] Oregon vocabs/user2649775=_Student_View_Oguzhan_H_z_rogulu @ 0031...

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Settings

DB cluster identifier **Info** Enter a name for your DB cluster. The name must be unique across all DB clusters owned by your AWS account in the current AWS Region.

1 lab-db

The DB cluster identifier is case-insensitive, stored as all lowercase (as in "mydbcluster"). 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.

Credentials Settings

Master username **Info** Type a login ID for the master user of your cluster.

2 main

1 to 16 alphanumeric characters. First character must be a letter.

Manage master credentials in AWS Secrets Manager Manage master user credentials in Secrets Manager. RDS can generate a password for you and manage it throughout its lifecycle.

If you manage the master user credentials in Secrets Manager, some RDS features aren't supported. Learn more

Auto generate a password Amazon RDS can generate a password for you, or you can specify your own password.

Master password **Info** Constraints: At least 8 printable ASCII characters. Can't contain any of the following: / (slash), ' (single quote), " (double quote) and @ (at sign).

3
4

Sayfada aşağı doğru ilerle

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MySQL

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us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#launch-dbinstance:gdb=false;s3-import=false

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(at sign).
Confirm master password [Info](#)

Instance configuration
The DB instance configuration options below are limited to those supported by the engine that you selected above.

Amazon RDS Optimized Writes - [new](#) [Info](#)
 Show instance classes that support Amazon RDS Optimized Writes

DB instance class [Info](#)
 Standard classes (includes m classes)
 Memory optimized classes (includes r and x classes)
 Burstable classes (includes t classes) 1

db.t3.micro
2 vCPUs 1 GiB RAM Network: 2.085 Mbps 2

Include previous generation classes

Storage
Storage type [Info](#)
Provisioned IOPS SSD (io1)
Flexibility in provisioning I/O

Allocated storage [Info](#)
400 GiB
The minimum value is 100 GiB and the maximum value is 6.144 GiB

MySQL

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Sayfada aşağı doğru ilerle

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Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

Storage

Storage type [Info](#)
General Purpose SSD (gp2)
Baseline performance determined by volume size

Allocated storage [Info](#)
20 GiB
The minimum value is 20 GiB and the maximum value is 6.144 GiB

Provisioning less than 100 GiB of General Purpose (SSD) storage for high throughput workloads could result in higher latencies upon exhaustion of the initial General Purpose (SSD) IO credit balance. [Learn more](#)

After you modify the storage for a DB instance, the status of the DB instance will be in storage-optimization. Your instance will remain available as the storage-optimization operation completes. [Learn more](#)

Storage autoscaling [Info](#)
Provides dynamic scaling support for your database's storage based on your application's needs.
 Enable storage autoscaling
Enabling this feature will allow the storage to increase after the specified threshold is exceeded.

Maximum storage threshold [Info](#)
Charges will apply when your database autoscales to the specified threshold
1000 GiB
The minimum value is 22 GiB and the maximum value is 6.144 GiB

Connectivity [Info](#)

1 'SSD'yi seç

2 Sayfada aşağı doğru ilerle

MySQL

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us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#launch-dbinstance:gdb=false;s3-import=false

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Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

The minimum value is 22 GiB and the maximum value is 6.144 GiB

Connectivity Info

Compute resource
Choose whether to set up a connection to a compute resource for this database. Setting up a connection will automatically change connectivity settings so that the compute resource can connect to this database.

Don't connect to an EC2 compute resource
Don't set up a connection to a compute resource for this database. You can manually set up a connection to a compute resource later.

Connect to an EC2 compute resource
Set up a connection to an EC2 compute resource for this database.

Virtual private cloud (VPC) [Info](#)
Choose the VPC. The VPC defines the virtual networking environment for this DB instance.

Lab VPC (vpc-0fb6384d8dbe0c50b)
4 Subnets, 2 Availability Zones

Only VPCs with a corresponding DB subnet group are listed.

After a database is created, you can't change its VPC.

DB subnet group [Info](#)
Choose the DB subnet group. The DB subnet group defines which subnets and IP ranges the DB instance can use in the VPC that you selected.

db subnet group
2 Subnets, 2 Availability Zones

Public access [Info](#)
 Yes
RDS assigns a public IP address to the database. Amazon EC2 instances and other resources outside of the VPC can connect to your database. Resources inside the VPC can also connect to the database. Choose one or more VPC security groups that specify which resources can connect to the database.
 No
RDS doesn't assign a public IP address to the database. Only Amazon EC2 instances and other resources inside the VPC can connect to your database. Choose one or more VPC security groups that specify which resources can connect to the database.

VPC security group (firewall) [Info](#)
Choose one or more VPC security groups to allow access to your database. Make sure that the security group rules allow the

MySQL

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1 'Default VPC'yi kaldır ve 'Lab VPC'yi seç

2 Sayfada aşağı doğru ilerle

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aws Services Search [Alt+S]

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RDS assigns a public IP address to the database. Amazon EC2 instances and other resources outside of the VPC can connect to your database. Resources inside the VPC can also connect to the database. Choose one or more VPC security groups that specify which resources can connect to the database.

No RDS doesn't assign a public IP address to the database. Only Amazon EC2 instances and other resources inside the VPC can connect to your database. Choose one or more VPC security groups that specify which resources can connect to the database.

VPC security group (firewall) [Info](#)

Choose one or more VPC security groups to allow access to your database. Make sure that the security group rules allow the appropriate incoming traffic.

Choose existing [Select existing VPC security groups](#) 1

Create new [Create new VPC security group](#)

Existing VPC security groups

Choose one or more options

default X 2 'X' a tıkla ve default VPC security group'u kaldır

RDS Proxy

RDS Proxy is a fully managed, highly available database proxy that improves application scalability, resiliency, and security.

Create an RDS Proxy [Info](#)

RDS automatically creates an IAM role and a Secrets Manager secret for the proxy. RDS Proxy has additional costs. For more information, see [Amazon RDS Proxy pricing](#).

Certificate authority - optional [Info](#)

Using a server certificate provides an extra layer of security by validating that the connection is being made to an Amazon database. It does so by checking the server certificate that is automatically installed on all databases that you provision.

rds-ca-2019 (default)

If you don't select a certificate authority, RDS chooses one for you.

► Additional configuration

Database authentication

Database authentication options [Info](#)

Password authentication [Authenticates using database passwords.](#)

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Oregon vocabs/user2649775=_Student_View_Oguzhan_H_z_rogulu @ 0031... MySQL

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us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#launch-dbinstance:gdb=false;s3-import=false

aws Services Search [Alt+S]

Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

RDS assigns a public IP address to the database. Amazon EC2 instances and other resources outside of the VPC can connect to your database. Resources inside the VPC can also connect to the database. Choose one or more VPC security groups that specify which resources can connect to the database.

No RDS doesn't assign a public IP address to the database. Only Amazon EC2 instances and other resources inside the VPC can connect to your database. Choose one or more VPC security groups that specify which resources can connect to the database.

VPC security group (firewall) [Info](#)

Choose one or more VPC security groups to allow access to your database. Make sure that the security group rules allow the appropriate incoming traffic.

Choose existing Choose existing VPC security groups Create new Create new VPC security group

Existing VPC security groups

Choose one or more options

Q

default

DB Security Group **1 'DB Security Group' u seç**

Web Security Group

Certificate authority - optional [Info](#)

Using a server certificate provides an extra layer of security by validating that the connection is being made to an Amazon database. It does so by checking the server certificate that is automatically installed on all databases that you provision.

rds-ca-2019 (default)

If you don't select a certificate authority, RDS chooses one for you.

► Additional configuration

Database authentication

Database authentication options [Info](#)

Password authentication Authenticates using database passwords.

Password and IAM database authentication Authenticates using the database password and user credentials through AWS IAM users and

MySQL

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RDS assigns a public IP address to the database. Amazon EC2 instances and other resources outside of the VPC can connect to your database. Resources inside the VPC can also connect to the database. Choose one or more VPC security groups that specify which resources can connect to the database.

No
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VPC security group (firewall) [Info](#)
Choose one or more VPC security groups to allow access to your database. Make sure that the security group rules allow the appropriate incoming traffic.

Choose existing
Choose existing VPC security groups

Create new
Create new VPC security group

Existing VPC security groups
[Choose one or more options](#)

DB Security Group [X](#)

RDS Proxy
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Create an RDS Proxy [Info](#)
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Certificate authority - optional [Info](#)
Using a server certificate provides an extra layer of security by validating that the connection is being made to an Amazon database. It does so by checking the server certificate that is automatically installed on all databases that you provision.

rds-ca-2019 (default)

If you don't select a certificate, we choose one for you.

Tıkla

Additional configuration

Database authentication

Database authentication options [Info](#)

Password authentication
Authenticates using database passwords.

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Choose existing Choose existing VPC security groups Create new Create new VPC security group

Existing VPC security groups Choose one or more options DB Security Group X

RDS Proxy RDS Proxy is a fully managed, highly available database proxy that improves application scalability, resiliency, and security.

Create an RDS Proxy Info RDS automatically creates an IAM role and a Secrets Manager secret for the proxy. RDS Proxy has additional costs. For more information, see [Amazon RDS Proxy pricing](#).

Certificate authority - optional Info Using a server certificate provides an extra layer of security by validating that the connection is being made to an Amazon database. It does so by checking the server certificate that is automatically installed on all databases that you provision.

rds-ca-2019 (default)

If you don't select a certificate authority, RDS chooses one for you.

Additional configuration

Database port Info TCP/IP port that the database will use for application connections.

3306

1 Database port olarak 3306'nın seçili olduğunu gör

2 Sayfada aşağı doğru ilerle

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TCP/IP port that the database will use for application connections. 3306

MySQL

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Database authentication

Database authentication options [Info](#)

Password authentication
Authenticates using database passwords.

Password and IAM database authentication
Authenticates using the database password and user credentials through AWS IAM users and roles.

Password and Kerberos authentication
Choose a directory in which you want to allow authorized users to authenticate with this DB instance using Kerberos Authentication.

Monitoring

Monitoring

Enable Enhanced monitoring 1 Unselect hale getir

Enabling Enhanced monitoring metrics are useful when you want to monitor your database performance over time.

Granularity 60 seconds

Monitoring Role default

Clicking "Create database" will authorize RDS to create the IAM role rds-monitoring-role

2 Sayfada aşağı doğru ilerle

Additional configuration

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MySQL

3306

Database authentication

Database authentication options [Info](#)

Password authentication
Authenticates using database passwords.

Password and IAM database authentication
Authenticates using the database password and user credentials through AWS IAM users and roles.

Password and Kerberos authentication
Choose a directory in which you want to allow authorized users to authenticate with this DB instance using Kerberos Authentication.

Monitoring

Monitoring

Enable Enhanced monitoring
Enabling Enhanced monitoring metrics are useful when you want to see how different processes or threads use the CPU.

Tıkla

Additional configuration

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

Information You are responsible for ensuring that you have all of the necessary rights for any third-party products or services that you use with AWS services.

Cancel **Create database**

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us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#launch-dbinstance:gdb=false;s3-import=false

aws Services Search [Alt+S]

Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

Oregon vocabs/user2649775=_Student_View_Oguzhan_H_z_rogulu@0031...

Clicking "Create database" will authorize RDS to create the IAM role rds-monitoring-role

MySQL

MySQL is the most popular open source database in the world. MySQL on RDS offers the rich features of the MySQL community edition with the flexibility to easily scale compute resources or storage capacity for your database.

- Supports database size up to 64 TiB.
- Supports General Purpose, Memory Optimized, and Burstable Performance instance classes.
- Supports automated backup and point-in-time recovery.
- Supports up to 15 Read Replicas per instance, within a single Region or 5 read replicas cross-region.

Additional configuration

Database options

Initial database name [Info](#) lab 1

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

DB parameter group [Info](#) default.mysql8.0

Option group [Info](#) default:mysql-8.0

Backup

Enable automated backups 2 Unselect hale getir

Creates a point-in-time snapshot of your database

⚠ Please note that automated backups are currently supported for InnoDB storage engine only. If you are using MyISAM, refer to details here [here](#).

Backup retention period [Info](#) 7 days

Backup window [Info](#) The daily time range (in UTC) during which RDS takes automated backups.

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32°C Güneşli Ara

13:16 26.07.2023

Home Course Modules: AWS re/Start | 160-[DF]-Lab - Build Your Database | Workbench Vocareum Labs AWS Management Console Create database - RDS Manager

us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#launch-dbinstance:gdb=false:s3-import=false

AWS Services Search [Alt+S]

Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

Clicking "Create database" will authorize RDS to create the IAM role rds-monitoring-role

Additional configuration

Database options

Initial database name [Info](#) lab

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

Encryption

Enable encryption

Choose to encrypt the given instance. Master key IDs and aliases appear in the list after they have been created using the AWS Key Management Service console. [Info](#)

AWS KMS key [Info](#) (default) aws/rds

Account

MySQL

MySQL is the most popular open source database in the world. MySQL on RDS offers the rich features of the MySQL community edition with the flexibility to easily scale compute resources or storage capacity for your database.

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- Supports General Purpose, Memory Optimized, and Burstable Performance instance classes.
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Sayfada aşağı doğru ilerle



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USD/TRY +%0,21 Ara

13:16 26.07.2023

Home Course Modules: AWS re/Start | 160-[DF]-Lab - Build Your Database | Workbench Vocareum Labs AWS Management Console Create database - RDS Manager

us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#launch-dbinstance:gdb=false;s3-import=false

aws Services Search [Alt+S]

Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

KMS key ID alias/aws/rds

Log exports
Select the log types to publish to Amazon CloudWatch Logs.
 Audit log
 Error log
 General log
 Slow query log

IAM role
The following service-linked role is used for publishing logs to CloudWatch Logs.
RDS service-linked role

Maintenance
Auto minor version upgrade [Info](#)
 Enable auto minor version upgrade
Enabling auto minor version upgrade will automatically upgrade to new minor versions as they are released. The automatic upgrades occur during the maintenance window for the database.

Maintenance window [Info](#)
Select the period you want pending modifications or maintenance applied to the database by Amazon RDS.
 Choose a window
 No preference

Deletion protection
 Enable deletion protection
Protects the database from being deleted accidentally. While this option is enabled, you can't delete the database.

Important
You are responsible for ensuring that you have all of the necessary rights for any third-party products or services that you use with AWS services.

Cancel **Create database**

MySQL

MySQL is the most popular open source database in the world. MySQL on RDS offers the rich features of the MySQL community edition with the flexibility to easily scale compute resources or storage capacity for your database.

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- Supports automated backup and point-in-time recovery.
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Yeniçeriler Cadd... Closed road Ara

13:20 26.07.2023

us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#databases:

AWS Services Search [Alt+S]

Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

Creating database lab-db

Your database might take a few minutes to launch.

You can use settings from lab-db to simplify configuration of suggested database add-ons while we finish creating your DB for you.

How was your experience creating an Amazon RDS database? Provide feedback

Successfully created DB Subnet Group. View subnet group

Introducing Aurora I/O-Optimized

Aurora's I/O-Optimized is a new cluster storage configuration that offers

RDS > Databases

Consider creating a Blue/Green Deployment to minimize downtime. You may want to consider using Amazon RDS Blue/Green Deploy

Databases (1)

Filter by databases

DB identifier	Status	Role
lab-db	Creating	Instance

Suggested add-ons for lab-db

Simplify the configuration of the following suggested add-ons by using settings from your new database.



Create an ElastiCache cluster from RDS using your DB settings - **new**

You can save up to 55% in cost and gain up to 80x faster read performance using ElastiCache with RDS for MySQL (vs. RDS for MySQL alone).

[Learn more](#)

[Create ElastiCache cluster](#)



Create RDS Proxy

Using a proxy allows your applications to pool and share database connections to help them scale. A proxy simplifies connection management and makes applications more resilient to database failures.

[Learn more](#)

[Create RDS Proxy](#)

Info You can hide these suggestions so they don't appear after database creation. All these actions can be taken from the database list page or database details page.

Hide add-ons for 30 days **Close**

us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#databases:

Creating database lab-db

Your database might take a few minutes to launch.

You can use settings from lab-db to simplify configuration of suggested database add-ons while we finish creating your DB for you.

How was your experience creating an Amazon RDS database? [Provide feedback](#)

View credential details

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

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Aurora's I/O-Optimized is a new cluster storage configuration that offers predictable pricing for all applications and improved price-performance, with up to 40% costs savings for I/O-intensive applications.

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](#)

DB identifier	Status	Role	Engine	Region & AZ	Size	Actions	CPU	Current activity	Maintenance	VPC	Multi-AZ
lab-db	Creating	Instance	MySQL Community	us-west-2a	db.t3.micro	-	-	-	none	vpc-0fb6384d8dbe0c50b	Yes

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us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#databases:

aws Services Search [Alt+S]

Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

Oregon voclabs/user2649775=_Student_View__Oguzhan_H_z_roglu @ 0031...

Successfully created database lab-db

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

How was your experience creating an Amazon RDS database? [Provide feedback](#)

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

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RDS > Databases

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DB identifier	Status	Role	Engine	Region & AZ	Size	CPU	Current activity	Maintenance	VPC	Multi-AZ
lab-db	Modifying	Instance	MySQL Community	us-west-2a	db.t3.micro	-	-	none	vpc-0fb6384d8dbe0c50b	No

'lab-db' hyperlinkine tıkla

Home Course Modules: AWS re/Start | 160-[DF]-Lab - Build Your Database | Workbench Vocareum Labs AWS Management Console Database Details - RDS Manager

us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#database:id=lab-db;is-cluster=false

aws Services Search [Alt+S]

Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

Oregon vocabs/user2649775=_Student_View_Oguzhan_H_z_rogulu@0031...

Successfully created database lab-db

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

How was your experience creating an Amazon RDS database? [Provide feedback](#)

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

RDS > Databases > lab-db

lab-db

Modify Actions ▾

Summary	
DB identifier	lab-db
CPU	12.22%
Role	Instance
Current activity	0 Connections
Status	Modifying
Engine	MySQL Community
Class	db.t3.micro
Region & AZ	us-west-2a

Connectivity & security Monitoring Logs & events Configuration Maintenance & backups Tags

Connectivity & security

Endpoint & port	Networking	Security
Endpoint lab-db.cbw4r3w2fjyx.us-west-2.rds.amazonaws.com	Availability Zone us-west-2a	VPC security groups DB Security Group (sg-0d6fea00fd1f3a65f) Active
Port 3306	VPC Lab VPC (vpc-0fb6384d8dbe0c50b)	Publicly accessible No

Status'ın durumunun 'Modifying'ten 'Available'a geçişini bekle

CloudShell Feedback Language

32°C Güneşli

Ara

13:26 26.07.2023

AWS Services Search [Alt+S] Oregon voclabs/user2649775=_Student_View_Oguzhan_H_z_rogulu @ 0031...

Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

Amazon RDS

RDS > Databases > lab-db

lab-db

Modify Actions ▾

Summary

DB identifier	CPU	Status
lab-db	2.94%	Available
Role	Current activity	Engine
Instance	0 Connections	MySQL Community
		Class
		db.t3.micro
		Region & AZ
		us-west-2a

Connectivity & security

Monitoring Logs & events Configuration Maintenance & backups Tags

Connectivity & security

Endpoint & port Networking Security

Endpoint	Availability Zone	VPC security groups
lab-db.cbw4r3w2fjyx.us-west-2.rds.amazonaws.com	us-west-2a	DB Security Group (sg-0d6fea00fd1f3a65f)
Port	Seçili metin bağlantısını kopyala	Active
3306	lab-db.cbw4r3w2fjyx.us-west-2.rds.amazonaws.com adresine git	
	Yazdır...	Publicly accessible
	Seçimi Türkçe diline çevir	No
	Seçilen bağlantıları IDM ile indir	Certificate authority Info
		rds-ca-2019
	Incele	Certificate authority date
	subnet-00c9f4dc3a67f1b65	August 22, 2024, 20:08 (UTC+03:00)
	subnet-002d5bcb1f1a60f2c	Network type
		DB instance certificate expiration date

Kopyala Ctrl+C

Endpoint'i kopyala

Course Modules: AWS re/Start F 160-[DF]-Lab - Build Your Database Workbench Vocareum Labs AWS Management Console Database Details - RDS Manager

us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#database:id=lab-db;is-cluster=false

Services Search [Alt+S]

Route 53 S3 EC2 VPC Certificate Manager CloudFront Elastic Beanstalk Amazon WorkMail

Amazon RDS Databases lab-db

Modify Actions

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 Preview

Events Event subscriptions

Recommendations 3 Certificate update

CloudShell Feedback Language

32°C Güneşli

Ara

3 Aug 22, 2024, 08:08 (UTC+07:00)

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13:37 26.07.2023

Yeni Metin Belgesi Dosya Düzenle Görünüm

lab-db.cbw4r3w2fjyx.us-west-2.rds.amazonaws.com

1

2

Endpoint'i daha sonra kullanmak üzere Notepad'e yapıştır



Your database will now be launched.

27. Click **lab-db** (click the link itself).

You will now need to wait **approximately 4 minutes** for the database to be available. The deployment process is deploying a database in two different Availability zones.

ⓘ While you are waiting, you might want to review the [Amazon RDS FAQs](#) or grab a cup of coffee.

28. Wait until **Info** changes to **Modifying** or **Available**.29. Scroll down to the **Connectivity & Security** section and copy the **Endpoint** field.

It will look similar to: *lab-db.cggq8lhnxvn.us-west-2.rds.amazonaws.com*

30. Paste the Endpoint value into a text editor. You will use it later in the lab.

AWS Details'e tıkla

Task 4: Interact with Your Database

In this task, you will open a web application running on your web server and configure it to use the database.

31. Copy the **WebServer IP address** by selecting **i AWS Details** above these instructions you are currently reading.

32. Open a new web browser tab, paste the WebServer IP address and press Enter.

The web application will be displayed, showing information about the EC2 instance.

33. At the top of the web application page, click the **RDS** link.

Meta-Data	Value
InstanceId	i-07ae9f8b551a3d166

labs.vocareum.com/main/main.php?m=clabide&mode=s&asnid=297334&stepid=297335&ownerid=2021067&permit=7&tide=1&version=0

Vocareum My Classes Manage Help Oguzhan Hiziroglu

AWS EN-US Used \$0 of \$10 01:00 Start Lab End Lab AWS Details Reset Close

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aws Load Test RDS

Meta-Data	Value
InstanceId	i-07ae9f8b551a3d166

Cloud Access

AWS CLI: Show

Cloud Labs Remaining session time: 01:00:20(61 minutes)
Session started at: 2023-07-26T01:39:32-0700
Session to end at: 2023-07-26T04:39:32-0700

Accumulated lab time: 01:59:00 (119 minutes)

ips -- public:34.216.238.208, private:10.0.2.250

SSH key Show Download PEM Download PPK

AWS SSO Download URL

awsstudentAccessSecretKey Access Key: AKIAQBOKRX7YU2IH5NAsecret
Access Key: 9qfETyPzAzl1fbUQVx5mm+4qzPBvEC/Y9KeTj6JE

WebServer 34.216.238.208

Kopyala Ctrl+C
Seçili metin bağlantısını kopyala
34.216.238.208 adresine git
Yazdır... Ctrl+P
Seçimi Türkçe diline çevir
Seçilen bağlantıları IDM ile indir
İncele

'Webserver IP Adress'i kopyala

Home Course Modules: AWS re/Start F 160-[DF]-Lab - Build Your Database Workbench Vocareum Labs AWS Management Console Database Details - RDS Manage +

labs.vocareum.com/main/main.php?m=clabide&mode=s&asnid=297334&stepid=297335&ownerid=2021067&permit=7&tide=1&version=0

Vocareum My Classes Manage Help Oguzhan Hiziroglu

AWS EN-US Used \$0 of \$10 00:59 Start Lab End Lab AWS Details Reset Close

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Cloud Access

AWS CLI: Show

Cloud Labs
Remaining session time: 01:00:20(61 minutes)
Session started at: 2023-07-26T01:39:32-0700
Session to end at: 2023-07-26T04:39:32-0700

Accumulated lab time: 01:59:00 (119 minutes)

ips -- public:34.216.238.208, private:10.0.2.250

SSH key: Show Download PEM Download PPK

AWS SSO: Download URL

awsstudentAccessSecretKey Access Key: AKIAQBOKRX7YU2IH5NAsecret
Access Key: 9qfETyPzAzl1fbUQVx5mm+4qzPBvEC/Y9KeTj6JE

WebServer 34.216.238.208

aws

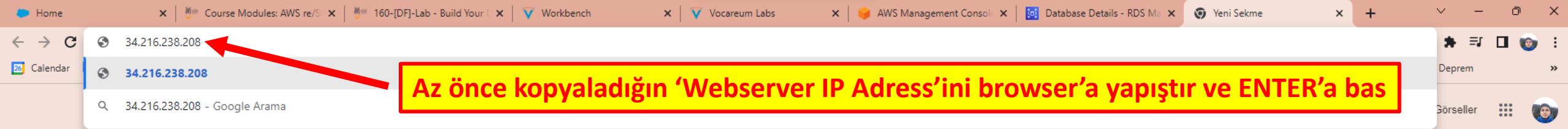
Load Test RDS

Meta-Data Value

InstanceId i-07ae9f8b551a3d166

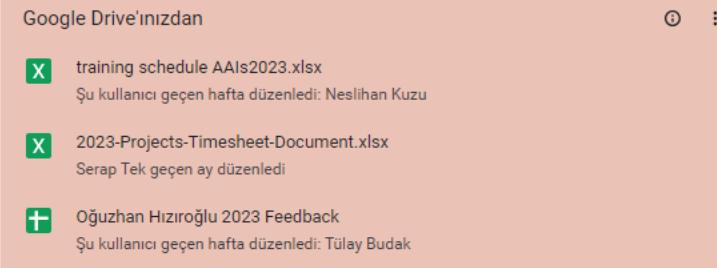
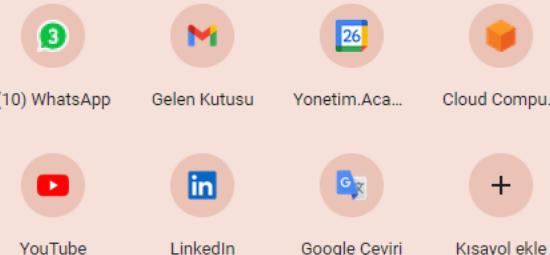
32°C Güneşli 13:41 TUR 26.07.2023

Yeni sekme aç



Google

Google'da arayın veya URL'yi yazın



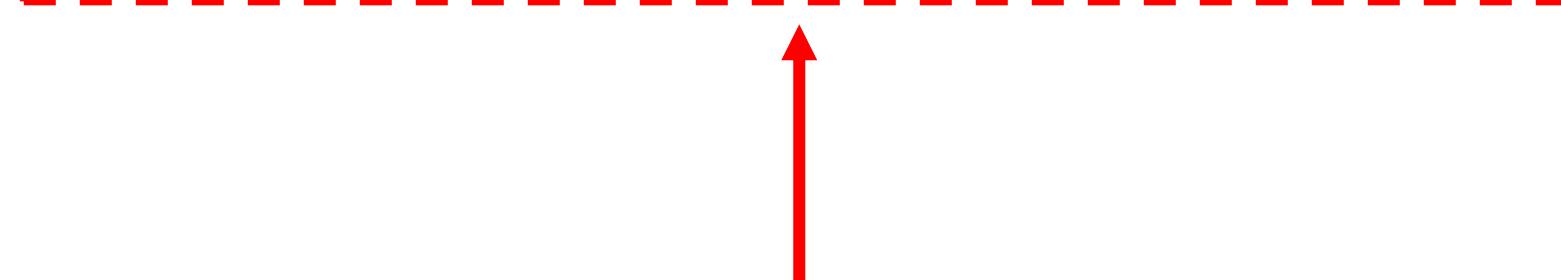
Chrome'u özelleştir

aws Load Test RDS

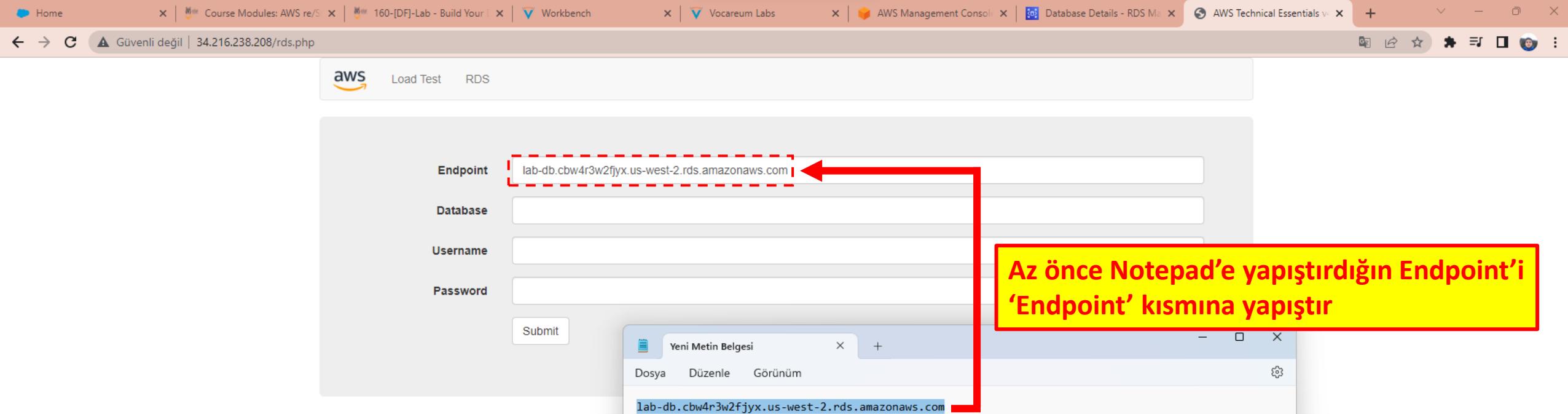
'RDS' butonuna tıkla

Meta-Data	Value
InstanceId	i-0999dcc423d0f2401
Availability Zone	us-west-2b

Current CPU Load: 1%



Web application'ın arayüzü açıldı



aws Load Test RDS

Endpoint: lab-db.cbw4r3w2fjyx.us-west-2.rds.amazonaws.com 1

Database: lab 2

Username: main 3

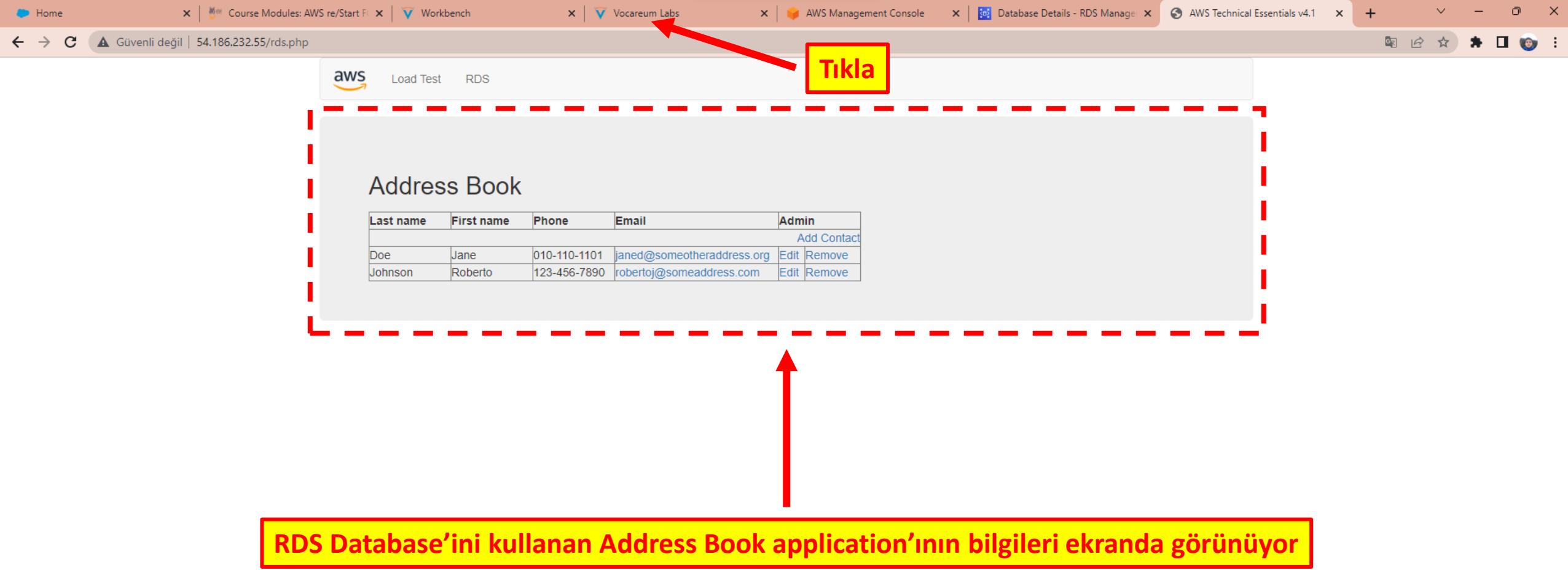
Password: 4

Submit

5 Gerekli bilgileri girdikten sonra 'Submit' butonuna tıkla



Yaklaşık 10 saniye süreliğine bu şekilde bir mesaj ekranı açılacak





Current CPU Load: 0%

Figure: A picture displaying the web application interface.

You will now configure the application to connect to your database.

34. Configure the following settings:

- **Endpoint:** Paste the Endpoint you copied to a text editor earlier
- **Database:** lab
- **Username:** main
- **Password:** lab-password
- Click **Submit**

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.

35. 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.

Lab Complete

☒ Congratulations! You have completed the lab.

36. Choose ■ End Lab at the top of this page, and then select **Yes** to confirm that you want to end the lab.

A panel indicates that *DELETE has been initiated... You may close this message box now.*

37. A message *Ended AWS Lab Successfully* is briefly displayed, indicating that the lab has ended.

Additional resources

Cloud Access

AWS CLI: [Show](#)

Cloud Labs

Remaining session time: 01:00:20(61 minutes)
Session started at: 2023-07-26T01:39:32-0700
Session to end at: 2023-07-26T04:39:32-0700

Accumulated lab time: 01:59:00 (119 minutes)

ips -- public:34.216.238.208, private:10.0.2.250

SSH key [Show](#) [Download PEM](#) [Download PPK](#)

AWS SSO [Download URL](#)

awsstudentAccessSecretKey	Access Key: AKIAQBOKJRX7YU2IH5NAsecret Access Key: 9qfETyPzAzl1fbUQVx5mm+4qzPBvEC/Y9KeTj6JE
WebServer	34.216.238.208

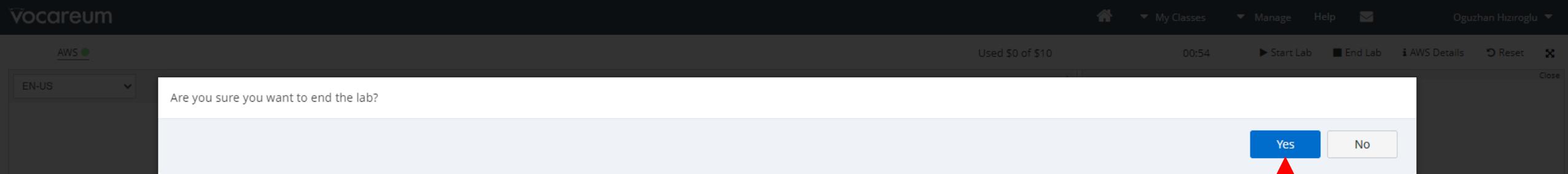


Figure: A picture displaying the web application interface.

You will now configure the application to connect to your database.

34. Configure the following settings:

- **Endpoint:** Paste the Endpoint you copied to a text editor earlier
- **Database:** lab
- **Username:** main
- **Password:** lab-password
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Additional resources



EN-US

Current CPU Load: 0%

Figure: A picture displaying the web application interface.

You will now configure the application to connect to your database.

34. Configure the following settings:

- **Endpoint:** Paste the Endpoint you copied to a text editor earlier
- **Database:** `lab`
- **Username:** `main`
- **Password:** `lab-password`
- Click **Submit**

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.

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37. A message *Ended AWS Lab Successfully* is briefly displayed, indicating that the lab has ended.

Ended AWS Lab Successfully

Additional resources

Used \$0 of \$10

00:00

▶ Start Lab

■ End Lab

AWS Details

Reset

Close

Cloud Access

AWS CLI: Show**Cloud Labs**

Remaining session time: 01:00:20(61 minutes)
Session started at: 2023-07-26T01:39:32-0700
Session to end at: 2023-07-26T04:39:32-0700

Accumulated lab time: 01:59:00 (119 minutes)

ips -- public:34.216.238.208, private:10.0.2.250

SSH key Show Download PEM Download PPK**AWS SSO** Download URL

awsstudentAccessSecretKey	Access Key: AKIAQBOKJRX7YU2IH5NAsecret Access Key: 9qfETyPzAzl1fbUQVx5mm+4qzPBvEC/Y9KeTj6JE
WebServer	34.216.238.208



Oğuzhan
Selçuk
Hızıroğlu

Bu çalışma Oğuzhan Selçuk Hızıroğlu tarafından AWS re/Start Cohort-2 öğrencileri için hazırlanmıştır.