

CloudFormation And App Services Task

Problem Statement: You work for XYZ Corporation. Your corporation wants to launch a new web-based application. The development team has prepared the code but it is not tested yet. The development team needs the system admins to build a web server to test the code but the system admins are not available.

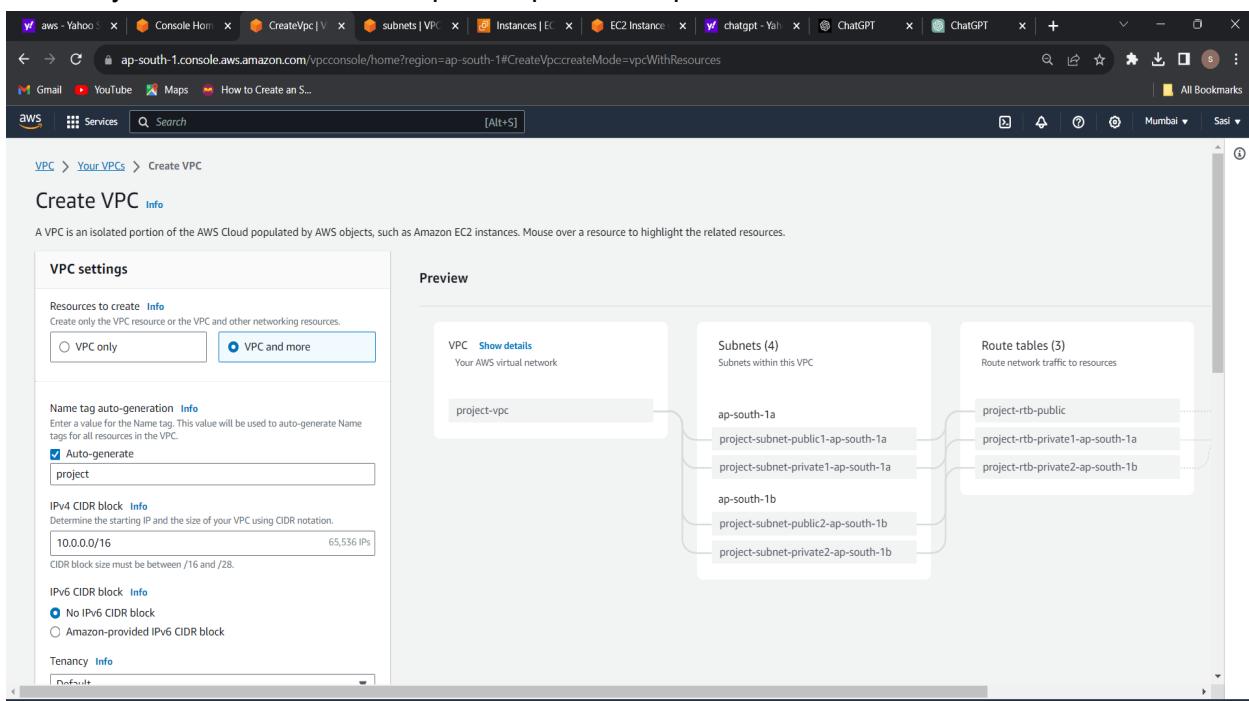
Tasks To Be Performed:

1. Web tier: Launch an instance in a public subnet and that instance should allow HTTP and SSH from the internet.
2. Application tier: Launch an instance in a private subnet of the web tier and it should allow only SSH from the public subnet of Web Tier-3.
3. DB tier: Launch an RDS MYSQL instance in a private subnet and it should allow connection on port 3306 only from the private subnet of Application Tier-4.
4. Setup a Route 53 hosted zone and direct traffic to the EC2 instance.

Launch one instance name of webtier

In security group add ssh and http in inbound rules

For that you have to create one vpc with public and private subnets.



aws - Yahoo Search | Console Home | subnets | VPC | subnets | VPC | Instances | EC2 | EC2 Instance | chatgpt - Yahoo | ChatGPT | ChatGPT | + | - | ×

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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

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

Endpoint services

NAT gateways

Peering connections

Security

Network ACLs

Security groups

DNS firewall

Subnets (2/6) Info

Find resources by attribute or tag

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
public-Web	subnet-055bb2e0fc9c830c	Available	vpc-0ac2e6eace54b0x95 my-v...	172.31.0.0/20	-
public subnet	subnet-0706c34e766195b16	Available	vpc-04f8b38f73512739f my-v...	10.0.0.0/26	-
<input checked="" type="checkbox"/> case study-subnet-public1-ap-south-1a	subnet-064072f02c96e8a20	Available	vpc-0af06bceb30ae4b0b case...	10.0.0.0/20	-
<input type="checkbox"/> case study-subnet-public2-ap-south-1b	subnet-03a8ff9485db3a193	Available	vpc-0af06bceb30ae4b0b case...	10.0.16.0/20	-
<input checked="" type="checkbox"/> case study-subnet-private1-ap-south-1a	subnet-0f93c15a002f6b02b	Available	vpc-0af06bceb30ae4b0b case...	10.0.128.0/20	-
<input type="checkbox"/> case study-subnet-private2-ap-south-1b	subnet-0fd6c627d2d460a00	Available	vpc-0af06bceb30ae4b0b case...	10.0.144.0/20	-

Actions Create subnet

Subnets: subnet-064072f02c96e8a20, subnet-0f93c15a002f6b02b

aws - Yahoo Search | Console Home | subnets | VPC | subnets | VPC | Instances | EC2 | ap-south-1 | LaunchInstances: | chatgpt - Yahoo | ChatGPT | ChatGPT | + | - | ×

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VPC - required Info

vpc-0af06bceb30ae4b0b (case study-vpc)
10.0.0.0/16

Subnet Info

subnet-064072f02c96e8a20 case study-subnet-public1-ap-south-1a
VPC vpc-0af06bceb30ae4b0b Owner: 457228467332
Availability Zone: ap-south-1a IP addresses available: 4091 CIDR: 10.0.0.0/20

Create new subnet

Auto-assign public IP Info

Enable

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

Security group name - required

mysgp

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and _/\\$#@!#\$%^&*()

Description - required Info

launch-wizard-10 created 2023-11-20T09:16:29.696Z

Inbound Security Group Rules

Security group rule 1 (TCP, 22, 0.0.0.0/0) Remove

Type Info Protocol Info Port range Info

ssh TCP 22

Summary

Number of instances Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.2.2...read more
ami-02a2af70a66af6fdb

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t5.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million IOPS, 1 Tbps of bandwidth, and 100,000 API requests per month.

Cancel Launch instance Review commands

Launch instance with that VPC and select public subnet

The screenshot shows the AWS EC2 Launch Wizard interface. On the left, under 'Inbound Security Group Rules', two rules are defined:

- Security group rule 1 (TCP, 22, 0.0.0.0/0)**: Type: ssh, Protocol: TCP, Port range: 22. Source type: Anywhere. Description: e.g. SSH for admin desktop.
- Security group rule 2 (TCP, 80, 0.0.0.0/0)**: Type: HTTP, Protocol: TCP, Port range: 80. Source type: Anywhere. Description: e.g. SSH for admin desktop.

A yellow warning box at the bottom left states: "⚠️ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only." A button 'Add security group rule' is below it.

On the right, the 'Summary' section shows:

- Number of instances: 1
- Software Image (AMI): Amazon Linux 2023 AMI 2023.2.2..read more ami-02a2af70366af6fb
- Virtual server type (instance type): t2.micro
- Firewall (security group): New security group
- Storage (volumes): 1 volume(s) - 8 GiB

A tooltip for the 'Free tier' is displayed: "Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million IOPS, 1 CPU of compute".

At the bottom are buttons: 'Cancel', 'Launch instance' (highlighted in orange), and 'Review commands'.

The screenshot shows the AWS EC2 Instances page. At the top, a green success message reads: "Success Successfully initiated launch of instance (i-087a66632b3df7f68)". Below it, a link 'Launch log' is shown.

The 'Next Steps' section contains several links:

- Create billing and free tier usage alerts
- Connect to your instance
- Connect an RDS database
- Create EBS snapshot policy
- Manage detailed monitoring
- Create Load Balancer
- Create AWS budget
- Manage CloudWatch alarms

At the bottom, there are links for 'CloudShell', 'Feedback', and copyright information: "© 2023, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences".

2. Application tier: Launch an instance in a private subnet of the web tier and it should allow only SSH from the public subnet of Web Tier-3.

Select private subnet same VPC.

The screenshot shows the AWS EC2 Launch Instances wizard. On the left, under 'Network settings', the 'Subnet' dropdown is set to 'subnet-0f93c15a002f6b02b'. The 'Firewall (security groups)' section shows 'Create security group' selected. The 'Description' field contains 'launch-wizard-10 created 2023-11-20T09:18:51.115Z'. On the right, the 'Summary' pane shows 'Number of instances' set to 1, 'Software Image (AMI)' as Amazon Linux 2023 AMI 2023.2.2..., and 'Virtual server type (instance type)' as t2.micro. A tooltip for 'Free tier' is visible, stating: 'Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GB of EBS storage, 2 million IOPS, 1 CPU of compute credit'. At the bottom right are 'Launch instance' and 'Review commands' buttons.

The screenshot shows the 'Inbound Security Group Rules' step. It lists a single rule: 'Security group rule 1 (TCP, 22, 0.0.0.0/0)'. The 'Type' is 'ssh', 'Protocol' is 'TCP', and 'Port range' is '22'. The 'Source' is 'Anywhere'. A warning message at the bottom says: '⚠️ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.' Below this is an 'Add security group rule' button and an 'Advanced network configuration' link. The right side of the screen shows the same summary information as the previous step.

Give only ssh in security group.

The screenshot shows the AWS EC2 Instances "Launch an instance" page. At the top, a green success banner states: "Success Successfully initiated launch of instance (i-01f09908ba9df9970)". Below the banner, there is a "Launch log" link. The main content area is titled "Next Steps" and contains several cards:

- Create billing and free tier usage alerts
- Connect to your instance
- Connect an RDS database
- Create EBS snapshot policy
- Manage detailed monitoring
- Create Load Balancer
- Create AWS budget
- Manage CloudWatch alarms

At the bottom of the page, there are links for CloudShell, Feedback, and a footer with copyright information.

The screenshot shows an AWS EC2 Instance Connect SSH session. The terminal window displays a welcome message for Amazon Linux 2023, followed by a URL: "https://aws.amazon.com/linux/amazon-linux-2023". The prompt shows the user is connected via SSH from IP 10.0.1.21. The session is running in a dark-themed terminal window.

i-087a66632b3df76f8 (Webtire)
PublicIPs: 13.127.105.42 PrivateIPs: 10.0.1.21

rtb-034f9e595594d05b6 / case study-rtb-private1-ap-south-1a

Route table ID	Main	Explicit subnet associations	Edge associations
rtb-034f9e595594d05b6	No	subnet-0f93c15aa002f6b02b / case study-subnet-private1-ap-south-1a	-
VPC	Owner ID		
vpc-0af06bceb30ae4b0b case study-vpc	457228467332		

Routes (3)

Destination	Target	Status	Propagated
pl-78a54011	vpc-04ce4f3f8d9049fd2	Active	No
0.0.0.0/0	igw-00b73adcbfa9a228b	Active	No
10.0.0.16	local	Active	No

For private sun net edit the route table.

DB tier: Launch an RDS MySQL instance in a private subnet and it should allow connection on port 3306 only from the private subnet of Application Tier-4.

Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...
No alarms	ap-south-1a	-	-
No alarms	ap-south-1a	-	-
No alarms	ap-south-1a	ec2-13-127-105-42.ap...	13.127.105.42
No alarms	ap-south-1a	ec2-13-234-115-95.ap...	13.234.115.95

aws - Yahoo Search | RDS | ap-sou... | Instances | EC2 | EC2 Instance | EditRoutes | ChatGPT - Yahoo Search | ChatGPT | ChatGPT | + | - | X

ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance;isHermesCreate=true

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RDS > Create database

Create database

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.

Engine options

Engine type [Info](#)

Aurora (MySQL Compatible) 

Aurora (PostgreSQL Compatible) 

MySQL 

MariaDB 

PostgreSQL 

Oracle 

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.

aws - Yahoo Search | RDS | ap-south-1 | EC2 | ap-south-1 | RouteTableDetails | ChatGPT - Yahoo Search | ChatGPT | ChatGPT | + | - | X

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#ModifyInboundSecurityGroupRulessecurityGroupId=sg-085020441398b4ce6

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EC2 > Security Groups > sg-085020441398b4ce6 - mysql > Edit inbound rules

Edit inbound rules [Info](#)

Inbound rules control the incoming traffic that's allowed to reach the instance.

Security group rule ID	Type Info	Protocol Info	Port range Info	Source Info	Description - optional Info
sgr-0f1a26753120a8b6	SSH	TCP	22	Custom	<input type="text" value="0.0.0.0"/> <input type="button" value="X"/>
-	MySQL/Aurora	TCP	3306	Custom	<input type="text" value="0.0.0.0"/> <input type="button" value="X"/>

[Add rule](#)

⚠ Rules with source of 0.0.0.0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only. X

Cancel Preview changes Save rules

The screenshot shows the AWS EC2 Security Groups page. The security group is named **sg-085020441398b4ce6 - mysql1**. Key details include:

- Security group name:** mysql1
- Security group ID:** sg-085020441398b4ce6
- Description:** Allow ssh
- VPC ID:** vpc-0af06bceb30ae4b0b
- Owner:** 457228467332
- Inbound rules count:** 2 Permission entries
- Outbound rules count:** 1 Permission entry

The **Inbound rules** tab is selected, showing two rules:

Name	Security group rule...	IP version	Type	Protocol	Port range	Source
-	sgr-0252fac9ed319e318	IPv4	MySQL/Aurora	TCP	3306	0.0.0.0/0
-	sgr-0f1a26753120a8b86	IPv4	SSH	TCP	22	0.0.0.0/0

The screenshot shows the AWS RDS MySQL instance creation wizard at the **Credentials Settings** step. The master username is set to **admin**. A note indicates that if managed in Secrets Manager, some RDS features aren't supported. Other options include generating a password automatically.

MySQL features listed on the right:

- 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.

Instance configuration notes that DB instance configuration options are limited to those supported by the engine.

DB instance class: Info

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Virtual private cloud (VPC) Info
Choose the VPC. The VPC defines the virtual networking environment for this DB instance.
case study-vpc (vpc-03f06bceb30ae4b0b)
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.
Create new DB Subnet Group

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 appropriate incoming traffic.
 Choose existing
Choose existing VPC security groups
 Create new
Create new VPC security group

Existing VPC security groups

CloudShell Feedback

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.

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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
mysg1 X

Availability Zone Info
No preference

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)
Expiry: Aug 22, 2024

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

Additional configuration

CloudShell Feedback

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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aws - Yahoo Search R x Databases | RDS ap... x EC2 | ap-south-1 x RouteTableDetails | V x chatgpt - Yahoo Search x ChatGPT x ChatGPT x +

ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#databases:

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Creating database dbtier
Your database might take a few minutes to launch.
You can use settings from dbtier to simplify configuration of [suggested database add-ons](#) while we finish creating your DB for you.

RDS > Databases

Databases (1)

Group resources C Modify Actions ▾ Restore from S3 Create database

Filter by databases

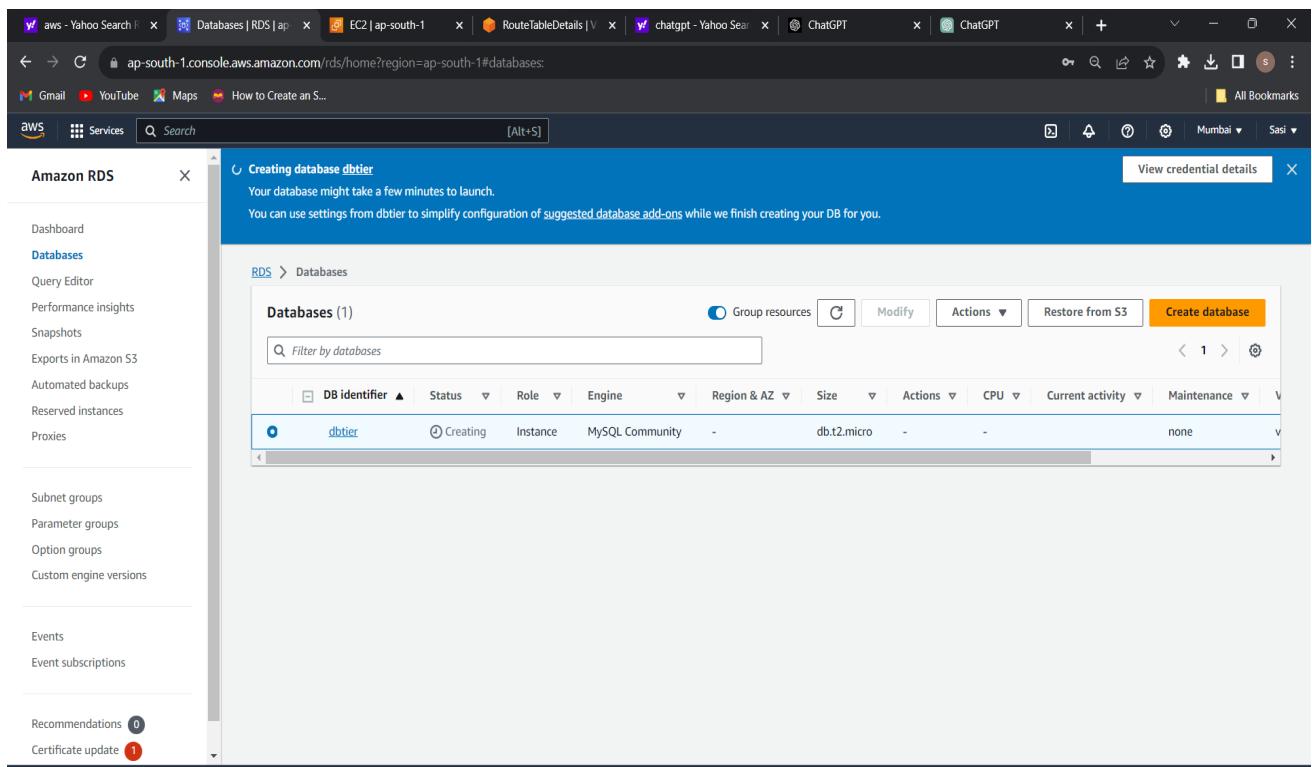
DB identifier	Status	Role	Engine	Region & AZ	Size	Actions	CPU	Current activity	Maintenance
dbtier	Creating	Instance	MySQL Community	-	db.t2.micro	-	-	-	none

Subnet groups
Parameter groups
Option groups
Custom engine versions

Events
Event subscriptions

Recommendations 0
Certificate update 1

View credential details X



aws - Yahoo Search R x Databases x EC2 | ap-south-1 x RouteTableDetails | V x chatgpt - Yahoo Search x ChatGPT x ChatGPT x +

ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#databases:

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

RDS > Databases

Databases (1)

Group resources C Modify Actions ▾ Restore from S3 Create database

Filter by databases

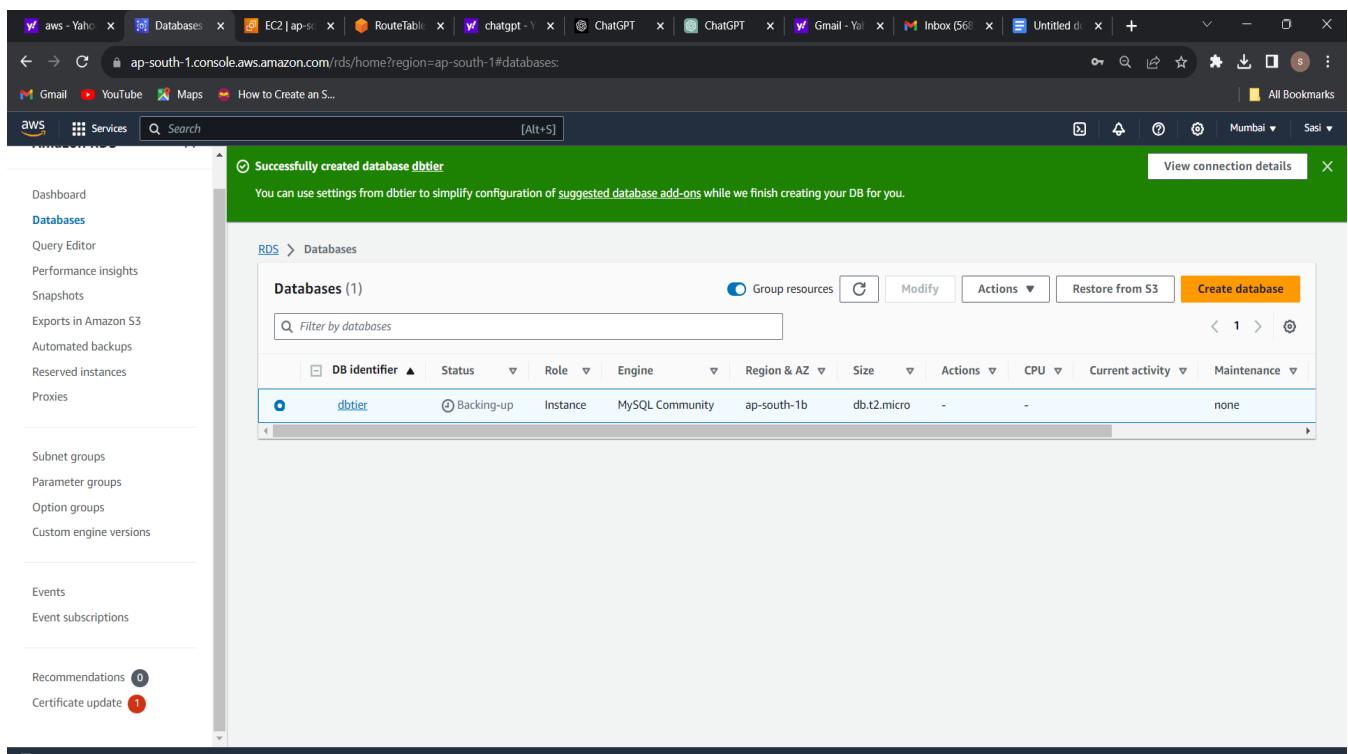
DB identifier	Status	Role	Engine	Region & AZ	Size	Actions	CPU	Current activity	Maintenance
dbtier	Backing-up	Instance	MySQL Community	ap-south-1b	db.t2.micro	-	-	-	none

Subnet groups
Parameter groups
Option groups
Custom engine versions

Events
Event subscriptions

Recommendations 0
Certificate update 1

View connection details X



The screenshot shows the AWS RDS Connectivity & security page for the dbtier database. The left sidebar lists various database-related options like Databases, Subnet groups, and Events. The main content area displays connectivity details:

Endpoint & port	Networking	Security
Endpoint dbtier.cltmzn2vnxcs.ap-south-1.rds.amazonaws.com	Availability Zone ap-south-1b	VPC security groups mysg1 (sg-085020441398b4ce6) Active
Port 3306	VPC case-study-vpc (vpc-0af06bcbe50ae4b0b)	Publicly accessible Yes
	Subnet group default-vpc-0af06bcbe50ae4b0b	Certificate authority Info rds-ca-2019
	Subnets subnet-0f6dc627d2d460a00 subnet-0f93c15a002f6b02b subnet-03a8ff9485bd3a193 subnet-064072f02c96e8a20	Certificate authority date August 22, 2024, 22:38 (UTC+05:30)
	Network type IPv4	DB instance certificate expiration date ⚠️ August 22, 2024, 22:38 (UTC+05:30)

Below this, there's a section for Connected compute resources (0) with a link to 'Info'.

The screenshot shows the 'Set up EC2 connection' step in the RDS setup wizard. It displays a success message: 'Successfully created database dbtier'. Below it, a note says: 'You can use settings from dbtier to simplify configuration of suggested database add-ons while we finish creating your DB for you.' A 'View connection details' button is available.

The main form is titled 'Set up EC2 connection' with an 'Info' link. It has two steps:

- Step 1: Set up EC2 connection**
- Step 2: Review and confirm**

The 'Select EC2 instance' section shows the database 'dbtier' selected. Under 'EC2 instance', it lists an instance 'i-00c61ce97064234b' (Application tier: ap-south-1a). A 'Create EC2 instance' link is also present. At the bottom are 'Cancel' and 'Continue' buttons.

4. Setup a Route 53 hosted zone and direct traffic to the EC2 instance.

The screenshot shows the Amazon Route 53 homepage. The main heading is "Amazon Route 53: A reliable way to route users to internet applications". Below the heading, a subtext states: "Amazon Route 53 is a highly available and scalable cloud Domain Name System (DNS) web service." To the right, there's a "Get started with Route 53" box containing the text: "Get started by registering a domain, configuring DNS, or using another Route 53 feature." A prominent orange "Get started" button is located within this box. On the left, there's a section titled "How it works" with a diagram showing a connection from a computer icon to a shield icon with a play button, labeled "Amazon Route 53". To the right of the main content area, there are two side panels: "Pricing (US)" and "More resources". The "Pricing (US)" panel includes a "View pricing" link. The "More resources" panel includes links for "Documentation" and "API reference". At the bottom of the page, there are links for "CloudShell", "Feedback", and copyright information: "© 2023, Amazon Web Services, Inc. or its affiliates." and "Privacy Terms Cookie preferences".

Select create hosted zone

The screenshot shows the "Get started" wizard for creating a hosted zone. The title is "Choose your starting point". There are six options, each with an icon and a brief description:

- Register a domain: Register the name, such as example.com, that your users use to access your application. (Icon: a shield with a play button connected to a computer monitor).
- Transfer domain: You can transfer domain names to Route 53 that you registered with another domain registrar. (Icon: a computer monitor, a shield with a play button, and another computer monitor).
- Create hosted zones: A hosted zone tells Route 53 how to respond to DNS queries for a domain such as example.com. (Icon: four shields with play buttons arranged in a square).
- Configure health checks: Health checks monitor your applications and web resources, and direct DNS queries to healthy resources. (Icon: a shield with a play button and a heart rate monitor line).
- Configure traffic flow: A visual tool that lets you easily create policies for multiple endpoints in complex configurations. (Icon: four shields with play buttons connected by lines).
- Configure resolvers: A regional service that lets you route DNS queries between your VPCs and your network. (Icon: a stack of servers, a shield with a play button, and a cloud icon).

At the bottom right of the wizard, there are "Cancel" and "Get started" buttons.

aws - YAML | Database | EC2 | API | RouteTable | Route 53 | chatgpt | ChatGPT | ChatGPT | Gmail | Inbox (5) | Untitled | +

us-east-1.console.aws.amazon.com/route53/v2/hostedzones?region=ap-south-1#CreateHostedZone

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aws Services Search [Alt+S]

Create hosted zone [Info](#)

Hosted zone configuration

A hosted zone is a container that holds information about how you want to route traffic for a domain, such as example.com, and its subdomains.

Domain name [Info](#)
This is the name of the domain that you want to route traffic for.

Casestudy

Valid characters: a-z, 0-9, ! # \$ % & ' () * + , - / ; < = > ? @ [\] ^ _ { } , ~

Description - optional [Info](#)
This value lets you distinguish hosted zones that have the same name.

The hosted zone is used for...

The description can have up to 256 characters. 0/256

Type [Info](#)
The type indicates whether you want to route traffic on the internet or in an Amazon VPC.

Public hosted zone A public hosted zone determines how traffic is routed on the internet.

Private hosted zone A private hosted zone determines how traffic is routed within an Amazon VPC.

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Casestudy.in

aws - YAML | Database | EC2 | API | RouteTable | Route 53 | casestudy | chatgpt | ChatGPT | ChatGPT | Gmail | Inbox (5) | Untitled | +

us-east-1.console.aws.amazon.com/route53/v2/hostedzones?region=ap-south-1#ListRecordSets/Z08217072BEBOMSNQ9V2H

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Route 53

- Dashboard
- Hosted zones**
- Health checks
- IP-based routing
- Traffic flow
- Domains
- Resolver

casestudy.in was successfully created.
Now you can create records in the hosted zone to specify how you want Route 53 to route traffic for your domain.

Route 53 > Hosted zones > casestudy.in

Public casestudy.in [Info](#)

Delete zone Test record Configure query logging

Hosted zone details Edit hosted zone

Records (2) DNSSEC signing Hosted zone tags (0)

Records (2) [Info](#)
Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

Delete record Import zone file Create record

Filter records by property or value Type Routing policy Alias

< 1 > ⌂

Remember name servers as you will need to update these names with DNS settings

The screenshot shows the AWS Route 53 service page. On the left, a sidebar lists various options like Hosted zones, IP-based routing, Traffic flow, Domains, Resolver, and VPCs. The main area displays a green success message: "casestudy.in was successfully created. Now you can create records in the hosted zone to specify how you want Route 53 to route traffic for your domain." Below this, there's a "Hosted zone details" card with fields: Hosted zone name (casestudy.in), Hosted zone ID (Z08217072BEBOMSNQ9V2H), Description (-), Query log (-), Type (Public hosted zone), Record count (2), and Name servers (ns-872.awsdns-45.net, ns-1284.awsdns-32.org, ns-1715.awsdns-22.co.uk, ns-114.awsdns-14.com). At the bottom, there are tabs for Records (2), DNSSEC signing, and Hosted zone tags (0), along with buttons for Delete record, Import zone file, and Create record.

Again create record to attach EC2

The screenshot shows the "Create record" wizard. It has two tabs at the top: "Quick create (recommended for expert users)" and "Wizard (recommended for new users)". The "Quick create" tab is selected. It asks for a "Record name" (subdomain) and a "Record type". The "Record name" field contains "subdomain" and the "Record type" dropdown is set to "A – Routes traffic to an IPv4 address and some AWS resources". There are also sections for "Alias" (radio button selected) and "Value" (IP address 10.0.0.777). A "Switch to wizard" link is located at the top right of the quick create section.

The screenshot shows the AWS Route 53 console with a modal dialog for creating a new record set. The record type is set to 'A - Routes traffic to an IPv4 address and some AWS resources'. The value is '13.234.115.95'. The TTL is set to 300 seconds. The routing policy is 'Simple routing'. The 'Create records' button is highlighted.

In the value section copy Elastic Ip or Public Ip4 address.

The screenshot shows the AWS Route 53 console with a modal dialog for creating a new record set. The record type is set to 'A - Routes traffic to an IPv4 address and some AWS resources'. The value field contains two IP addresses: '13.234.115.95' and '13.127.105.42', each on a new line. The TTL is set to 300 seconds. The routing policy is 'Simple routing'. The 'Create records' button is highlighted.

aws - Y'all | Database | Instance | RouteTab | casestudy | chatgpt | ChatGPT | ChatGPT | Gmail | Inbox | Untitled | +

us-east-1.console.aws.amazon.com/route53/v2/hostedzones?region=ap-south-1#ListRecordSets/208217072BEBOMSNQ9V2H

Gmail YouTube Maps How to Create an S...

AWS Services Search [Alt+S]

Route 53

Record for casestudy.in was successfully created.

Route 53 propagates your changes to all of the Route 53 authoritative DNS servers within 60 seconds. Use "View status" button to check propagation status.

View status X

Route 53 > Hosted zones > casestudy.in

Public casestudy.in Info

Delete zone Test record Configure query logging

Hosted zone details Edit hosted zone

Records (3) DNSSEC signing Hosted zone tags (0)

Records (3) Info

Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

C Delete record Import zone file Create record

Filter records by property or value Type Routing policy Alias

1 2 3

0 records selected

Select a record to see its details

Dashboard Hosted zones Health checks IP-based routing CIDR collections Traffic flow Traffic policies Policy records Domains Registered domains Requests Resolver VPCs Inbound endpoints Outbound endpoints Rules Query logging

The screenshot shows the AWS Route 53 service in the AWS Management Console. A modal window at the top left displays a success message: "Record for casestudy.in was successfully created. Route 53 propagates your changes to all of the Route 53 authoritative DNS servers within 60 seconds. Use 'View status' button to check propagation status." Below this, the main page shows the "casestudy.in" hosted zone under the "Route 53" service. It includes tabs for "Records (3)", "DNSSEC signing", and "Hosted zone tags (0)". The "Records (3)" tab is active, showing a table of three records:

Record ...	Type	Routing policy	Differ...	Alias	Value/Route traffic
casestudy.in	A	Simple	-	No	13.234.115.95 13.127.105.42
casestudy.in	NS	Simple	-	No	ns-872.awsdns-45.i ns-1284.awsdns-32 ns-1715.awsdns-22 ns-114.awsdns-14.i
casestudy.in	SOA	Simple	-	No	ns-872.awsdns-45.i

aws - Y'all | Database | Instance | RouteTab | casestudy | chatgpt | ChatGPT | ChatGPT | Gmail | Inbox | Untitled | +

us-east-1.console.aws.amazon.com/route53/v2/hostedzones?region=ap-south-1#ListRecordSets/208217072BEBOMSNQ9V2H

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Route 53

Record for casestudy.in was successfully created.

Route 53 propagates your changes to all of the Route 53 authoritative DNS servers within 60 seconds. Use "View status" button to check propagation status.

View status X

Records (3) DNSSEC signing Hosted zone tags (0)

Records (3) Info

Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

C Delete record Import zone file Create record

Filter records by property or value Type Routing policy Alias

1 2 3

0 records selected

Select a record to see its details

Dashboard Hosted zones Health checks IP-based routing CIDR collections Traffic flow Traffic policies Policy records Domains Registered domains Requests Resolver VPCs Inbound endpoints Outbound endpoints Rules Query logging

CloudShell Feedback

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This screenshot is identical to the one above it, showing the AWS Route 53 console. The main difference is that the "Records (3)" table is now fully visible, displaying all three records for the "casestudy.in" hosted zone. The records are listed in the same order as in the previous screenshot, with their respective properties and values.

aws - Y'all | Database | Instance | RouteTable | casestudy | chatgpt | ChatGPT | ChatGPT | Gmail | Inbox (5) | Untitled | +

us-east-1.console.aws.amazon.com/route53/v2/hostedzones?region=ap-south-1#ListRecordSets/Z08217072BEBOMSNQ9V2H

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AWS Services Search [Alt+S]

Route 53

Record for casestudy.in was successfully created.

Route 53 propagates your changes to all of the Route 53 authoritative DNS servers within 60 seconds. Use "View status" button to check propagation status.

View status X

Records (1/3) Info

Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

C Delete record Import zone file Create record

Filter records by property or value Type Routing policy Alias

Record ... Type Routine... Differ... Alias Value/Route to

Record ...	Type	Routine...	Differ...	Alias	Value/Route to
<input checked="" type="checkbox"/> casestudy.in	A	Simple	-	No	13.234.115.95 13.127.105.42
<input type="checkbox"/> casestudy.in	NS	Simple	-	No	ns-872.awsdns ns-1284.awsdns ns-1715.awsdns ns-114.awsdns
<input type="checkbox"/> casestudy.in	SOA	Simple	-	No	ns-872.awsdns

Record details

Edit record

Record name casestudy.in

Record type A

Value 13.234.115.95
13.127.105.42

Alias No

TTL (seconds) 300

Routing policy Simple

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aws - Y'all | Database | Instance | RouteTable | casestudy | chatgpt | ChatGPT | ChatGPT | Gmail | Inbox (5) | Untitled | +

us-east-1.console.aws.amazon.com/route53/v2/hostedzones?region=ap-south-1#Change/C0109524ZLAIZE9Y9JQJ?hzId=Z08217072BEBOMSNQ9V2H

Gmail YouTube Maps How to Create an S...

AWS Services Search [Alt+S]

Route 53

Route 53 > Hosted zones > casestudy.in > Change Info

C0109524ZLAIZE9Y9JQJ Info

Change info details

ID /change/C0109524ZLAIZE9Y9JQJ Submitted at November 20, 2023, 15:52 (UTC+05:30)

Status  INSYNC Comment -

