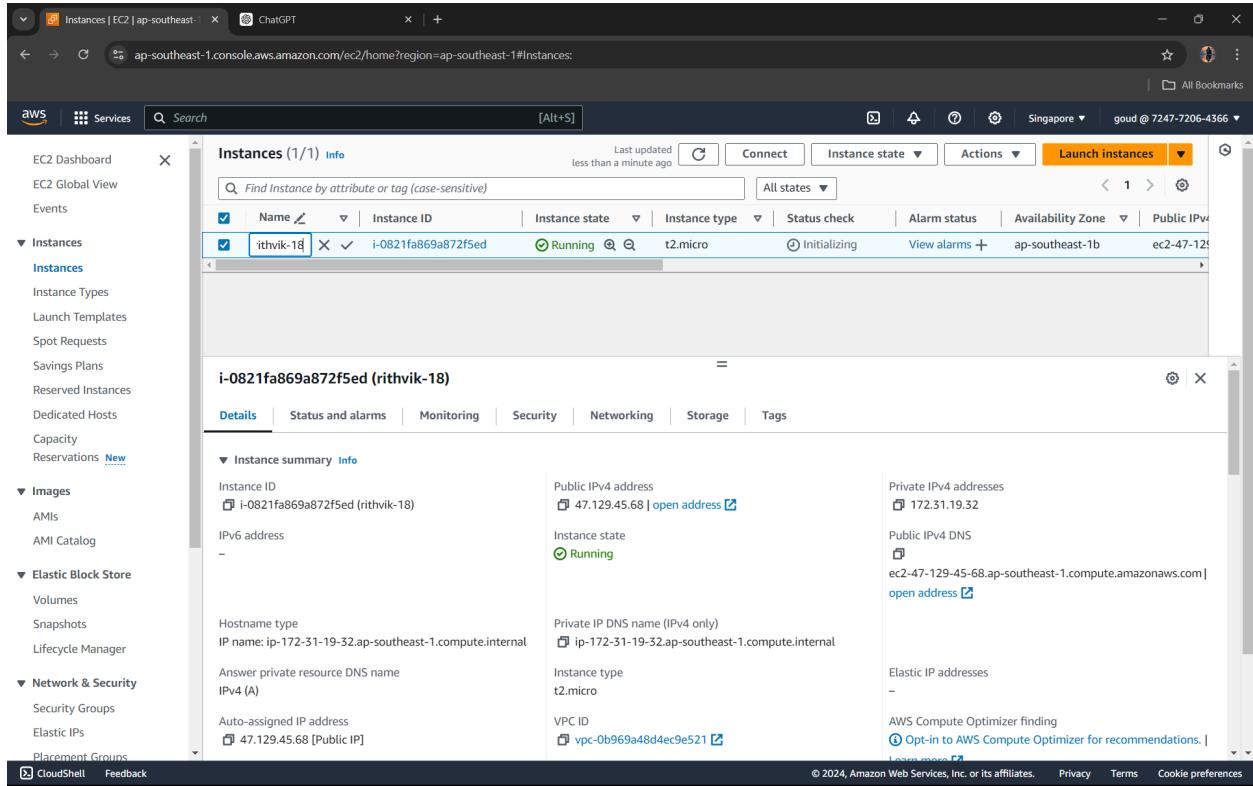


AWS-ASSIGNMENT

Setup and Configuration:

- Set up an AWS Free Tier account if not already done.
- Create an EC2 instance using the AWS Management Console. Choose a Linux or Windows instance type and configure security groups appropriately.



- SSH into the EC2 instance (for Linux) or RDP into it (for Windows).

The screenshot shows the AWS EC2 ModifyInboundSecurityGroupRules interface. It displays two inbound rules for a security group:

- sgr-05394a15fb018c8f7**: Type: RDP, Protocol: TCP, Port range: 3389, Source: Custom, Description: 0.0.0.0/0.
- sgr-0334fa03a7686242a**: Type: SSH, Protocol: TCP, Port range: 22, Source: Custom, Description: 0.0.0.0/0.

A warning message at the bottom states: "⚠ Rules with source of 0.0.0.0/0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only." There are buttons for "Cancel", "Preview changes", and "Save rules".

Storage and Content Delivery:

- Create an S3 bucket using AWS Management Console or AWS CLI.

The screenshot shows the AWS S3 Upload objects - S3 bucket rithvik-18 page. A green banner at the top indicates "Upload succeeded". Below it, the "Upload: status" section shows a summary of the upload results:

Destination	Succeeded	Failed
s3://rithvik-18	1 file, 569.0 B (100.00%)	0 files, 0 B (0%)

The "Files and folders" tab is selected, showing 1 total file (569.0 B). A search bar is also present.

- Upload a sample HTML file and an image to the S3 bucket.
- Configure the bucket for static website hosting and access it via the provided endpoint.

The screenshot shows the AWS S3 console interface. The URL in the browser is `ap-southeast-1.console.aws.amazon.com/s3/buckets/rithvik-18?region=ap-southeast-1&bucketType=general&tab=objects`. The page title is "rithvik-18 - S3 bucket | S3 | ap-southeast-1". The navigation bar includes "Services", "Search", and "AWS". The main content area shows the "Objects" tab selected. A table lists one object:

Name	Type	Last modified	Size	Storage class
quanti.html	html	September 7, 2024, 21:11:15 (UTC+05:30)	569.0 B	Standard

The screenshot shows a web browser window with the URL `rithvik-18.s3-website.ap-south-1.amazonaws.com`. The page title is "Hello Quantiphi". The content of the page is the text "Hello Quantiphi".

Networking:

- Create a Virtual Private Cloud (VPC) with public and private subnets.
- Launch an EC2 instance in each subnet.
- Configure a security group to allow traffic between these instances.

The screenshot shows the AWS VPC Details page for a newly created VPC. The VPC ID is `vpc-05e8b075ee2b1da2f`, and the name is `VPC1`. The VPC is in an **Available** state. It has a single route table named `rtb-07d66d78abdbc6115`. The IPv4 CIDR is `10.0.0.0/16`. There are no subnets or route tables listed under the Resource map section.

Details		Info	
VPC ID	<code>vpc-05e8b075ee2b1da2f</code>	State	Available
Tenancy	Default	DNS hostnames	Disabled
Default VPC	No	Main route table	<code>rtb-07d66d78abdbc6115</code>
Network Address Usage metrics	Disabled	IPv6 pool	-
		Owner ID	<code>724772064366</code>

Resource map | CIDRs | Flow logs | Tags | Integrations

Resource map		Info	
VPC	Show details	Subnets (0)	Route tables (1)
Your AWS virtual network		Subnets within this VPC	Route network traffic to resources
<code>VPC1</code>			<code>rtb-07d66d78abdbc6115</code>

Subnets | VPC Console

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

VPC dashboard

EC2 Global View

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

- Rule groups

CloudShell Feedback

You have successfully created 1 subnet: subnet-075d2642d0de63891

Subnets (1/5) Info

Name	Subnet ID	State	VPC	IPv4 CIDR
Subnet-0de216efc2550c1a8	subnet-0de216efc2550c1a8	Available	vpc-08bc4eea8c89bc7e6	172.31.32.0/20
-	subnet-09751eaab5346e8c	Available	vpc-08bc4eea8c89bc7e6	172.31.0.0/20
-	subnet-01bdbab58e15d8522f	Available	vpc-08bc4eea8c89bc7e6	172.31.16.0/20
publicsubnet1	subnet-0f17080e385e15ed8	Available	vpc-05e8b075ee2b1da2f VPC1	10.0.0.0/24
<input checked="" type="checkbox"/> privatesubnet2	subnet-075d2642d0de63891	Available	vpc-05e8b075ee2b1da2f VPC1	10.0.1.0/24

subnet-075d2642d0de63891 / privatesubnet2

Details Flow logs Route table Network ACL CIDR reservations Sharing Tags

Details

Subnet ID subnet-075d2642d0de63891	Subnet ARN arn:aws:ec2:ap-south-1:724772064366:subnet/subnet-075d2642d0de63891	State Available	IPv4 CIDR 10.0.1.0/24
Available IPv4 addresses 251	IPv6 CIDR -	IPv6 CIDR association ID -	Availability Zone ap-south-1a
Availability Zone ID ap-south-1a	VPC vpc-05e8b075ee2b1da2f VPC1	Route table rt-0f10275e3b13d36f VPC1	

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igws | VPC Console

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

VPC dashboard

EC2 Global View

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

- Rule groups

Internet gateway igw-062e738506770f99d successfully attached to vpc-05e8b075ee2b1da2f

Internet gateways (2) Info

Name	Internet gateway ID	State	VPC ID	Owner
-	igw-0b38aa0f03ff4d636	Attached	vpc-08bc4eea8c89bc7e6	724772064366
igw1	igw-062e738506770f99d	Attached	vpc-05e8b075ee2b1da2f VPC1	724772064366

Select an internet gateway above

https://ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#igws:

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RouteTableDetails | VPC Console

ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-Ocedda57cf3b874a5

VPC dashboard

EC2 Global View

Filter by 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

Rule groups

CloudShell Feedback

Updated routes for rtb-Ocedda57cf3b874a5 / public-rt successfully

Details

VPC > Route tables > rtb-Ocedda57cf3b874a5

rtb-Ocedda57cf3b874a5 / public-rt

Actions

Details Info

Route table ID rtb-Ocedda57cf3b874a5	Main No	Explicit subnet associations subnet-0f17080e385e15ed8 / publicsubnet1	Edge associations -
VPC vpc-05e8b075ee2b1da2f VPC1	Owner ID 724772064366		

Routes Subnet associations Edge associations Route propagation Tags

Both Edit routes

Filter routes

Destination	Target	Status	Propagated
0.0.0.0/0	igw-062e738506770f99d	Active	No
10.0.0.0/16	local	Active	No

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The screenshot shows the AWS VPC Route Table Details page. A green banner at the top indicates that routes have been updated successfully. The main section displays the route table's details, including its ID, association status, and owner. Below this, the 'Routes' tab is selected, showing two entries: one to an internet gateway and one to a local subnet, both marked as active and unpropagated.

Instances | EC2 | ap-south-1

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:

EC2 Dashboard

EC2 Global View

Events

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity

Reservations New

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Security Groups

Elastic IPs

Placement Groups

CloudShell Feedback

Last updated less than a minute ago

Find Instance by attribute or tag (case-sensitive)

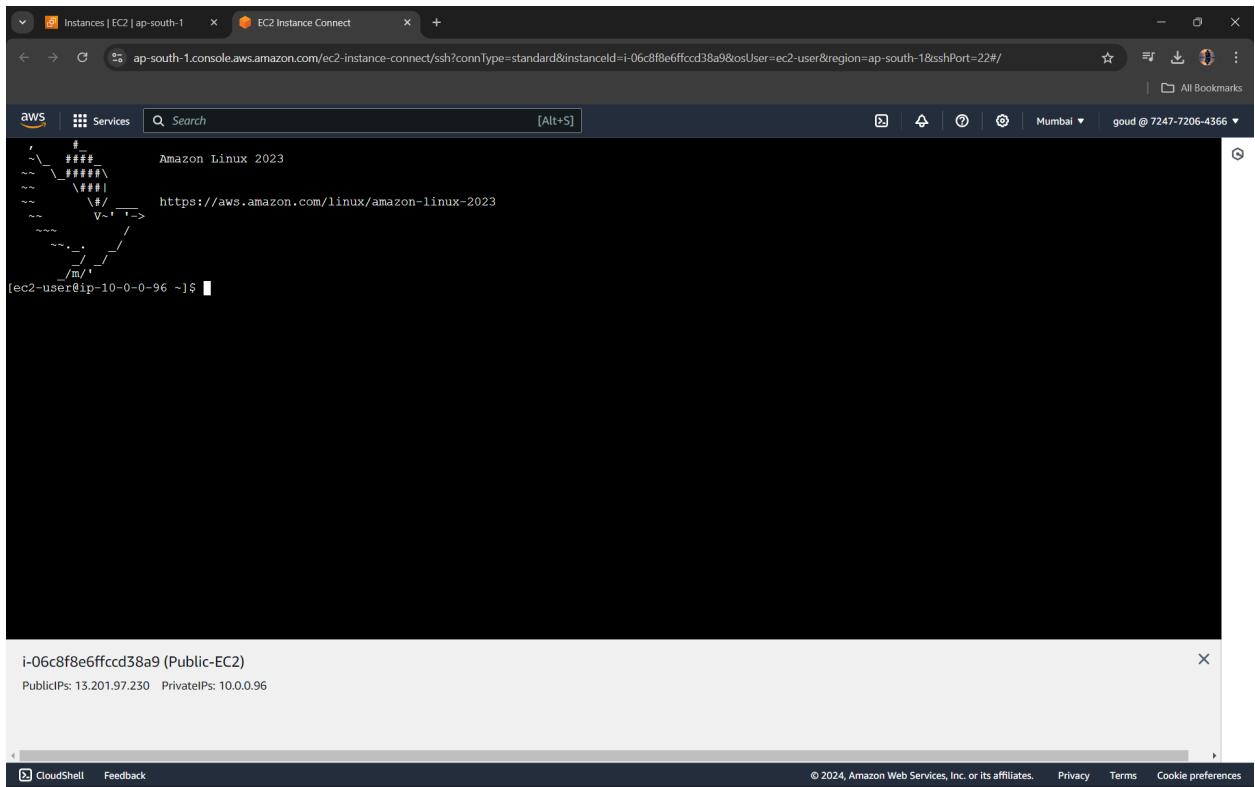
All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
Public-EC2	i-06c8f8e6ffcc38a9	Running	t2.micro	Initializing	View alarms +	ap-south-1a	-
private-ec2	i-08f8f89a189776c39	Running	t2.micro	-	View alarms +	ap-south-1a	-

Select an instance

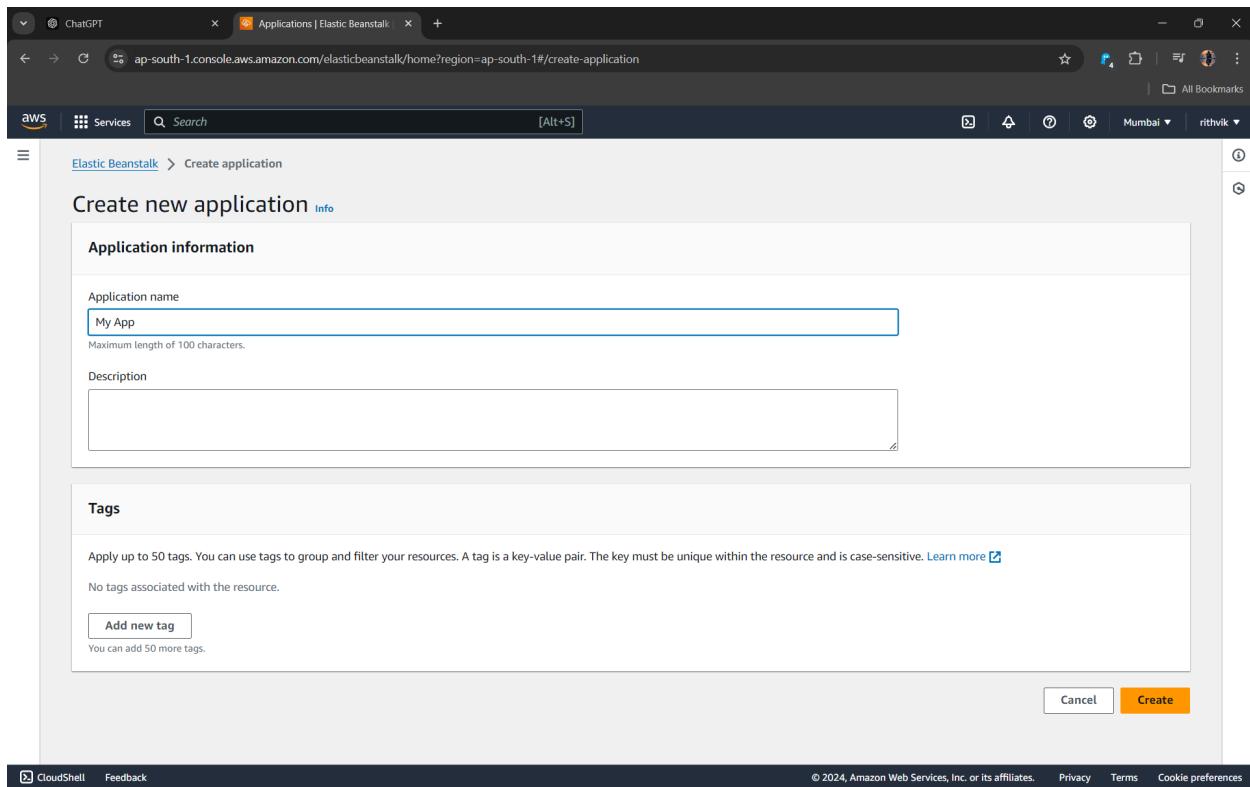
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The screenshot shows the AWS EC2 Instances page. It displays a table of running instances, each with a unique ID, name, state, type, and associated resources like alarms and availability zones. The interface includes filters for finding instances by name or tag, and a 'Select an instance' dropdown menu at the bottom.



Compute Services:

- Deploy a simple web application using AWS Elastic Beanstalk.
- Choose a pre-configured platform (like Python, Node.js, Java, etc.) and deploy your application.
- Access the application endpoint and verify functionality.



Configure environment | Elastic Beanstalk

ap-south-1.console.aws.amazon.com/elasticbeanstalk/home?region=ap-south-1#/create-environment?applicationName=My%20App

Configure environment Step 1

Configure environment Step 2

Configure service access Step 3 - optional

Set up networking, database, and tags Step 4 - optional

Configure instance traffic and scaling Step 5 - optional

Configure updates, monitoring, and logging Step 6

Review

Configure environment

Environment tier Info

Amazon Elastic Beanstalk has two types of environment tiers to support different types of web applications.

Web server environment
Run a website, web application, or web API that serves HTTP requests. [Learn more](#)

Worker environment
Run a worker application that processes long-running workloads on demand or performs tasks on a schedule. [Learn more](#)

Application information Info

Application name: My App

Maximum length of 100 characters.

▶ Application tags (optional)

Environment information Info

Choose the name, subdomain and description for your environment. These cannot be changed later.

Environment name: MyApp-env

Must be from 4 to 40 characters in length. The name can contain only letters, numbers, and hyphens. It can't start or end with a hyphen. This name must be unique within a region in your account.

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Configure environment | Elastic Beanstalk

ap-south-1.console.aws.amazon.com/elasticbeanstalk/home?region=ap-south-1#/create-environment?applicationName=My%20App

Platform type

Managed platform
Platforms published and maintained by Amazon Elastic Beanstalk. [Learn more](#)

Custom platform
Platforms created and owned by you. This option is unavailable if you have no platforms.

Platform: Python

Platform branch: Python 3.11 running on 64bit Amazon Linux 2023

Platform version: 4.1.4 (Recommended)

Application code Info

Sample application

Existing version
Application versions that you have uploaded.

Upload your code
Upload a source bundle from your computer or copy one from Amazon S3.

Presets Info

Start from a preset that matches your use case or choose custom configuration to unset recommended values and use the service's default

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Configure environment | Elastic Beanstalk

Platform branch: Python 3.11 running on 64bit Amazon Linux 2023

Platform version: 4.1.4 (Recommended)

Application code Info

Sample application

Existing version

Application versions that you have uploaded.

Upload your code

Upload a source bundle from your computer or copy one from Amazon S3.

Presets Info

Start from a preset that matches your use case or choose custom configuration to unset recommended values and use the service's default values.

Configuration presets

Single instance (free tier eligible)

Single instance (using spot instance)

High availability

High availability (using spot and on-demand instances)

Custom configuration

Cancel **Next**

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Configure service access | Elastic Beanstalk

Step 1 Configure environment

Step 2 **Configure service access**

Step 3 - optional Set up networking, database, and tags

Step 4 - optional Configure instance traffic and scaling

Step 5 - optional Configure updates, monitoring, and logging

Step 6 Review

Configure service access Info

Service access

IAM roles, assumed by Elastic Beanstalk as a service role, and EC2 instance profiles allow Elastic Beanstalk to create and manage your environment. Both the IAM role and instance profile must be attached to IAM managed policies that contain the required permissions. [Learn more](#)

Service role

Create and use new service role

Use an existing service role

Service role name

Enter the name for an IAM role that Elastic Beanstalk will create to assume as a service role. Beanstalk will attach the required managed policies to it.

aws-elasticbeanstalk-service-role

View permission details

EC2 key pair

Select an EC2 key pair to securely log in to your EC2 instances. [Learn more](#)

Choose a key pair

EC2 instance profile

Choose an IAM instance profile with managed policies that allow your EC2 instances to perform required operations.

View permission details

Cancel **Skip to review** **Previous** **Next**

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Configure updates, monitoring, and logging - *optional* [Info](#)

Monitoring [Info](#)

Health reporting
Enhanced health reporting provides free real-time application and operating system monitoring of the instances and other resources in your environment. The **EnvironmentHealth** custom metric is provided free with enhanced health reporting. Additional charges apply for each custom metric. For more information, see [Amazon CloudWatch Pricing](#).

System
 Basic
 Enhanced

Health event streaming to CloudWatch Logs
Configure Elastic Beanstalk to stream environment health events to CloudWatch Logs. You can set the retention up to a maximum of ten years and configure Elastic Beanstalk to delete the logs when you terminate your environment.

Log streaming
 Activated (standard CloudWatch charges apply.)

Retention
7

Lifecycle
 Keep logs after terminating environment

Managed platform updates [Info](#)
Activate managed platform updates to apply platform updates automatically during a weekly maintenance window that you choose. Your application stays available during the update process.

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Review [Info](#)

Step 1: Configure environment [Edit](#)

Environment information	
Environment tier	Application name
Web server environment	My App
Environment name	Application code
MyApp-env	Sample application
Platform	arn:aws:elasticbeanstalk:ap-south-1:platform/Python 3.11 running on 64bit Amazon Linux 2023/4.1.4

Step 2: Configure service access [Edit](#)

Service access	
Info Configure the service role and EC2 instance profile that Elastic Beanstalk uses to manage your environment. Choose an EC2 key pair to securely log in to your EC2 instances.	
Service role	EC2 instance profile
arn:aws:iam::724772064366:role/service-role/aws-elasticbeanstalk-ec2-role	aws-elasticbeanstalk-ec2-role

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Congratulations

Your first AWS Elastic Beanstalk Node.js application is now running on your own dedicated environment in the AWS Cloud

This environment is launched with Elastic Beanstalk Node.js Platform

What's Next?

- [AWS Elastic Beanstalk overview](#)
- [AWS Elastic Beanstalk concepts](#)
- [Deploying an Express Application to AWS Elastic Beanstalk](#)
- [Deploying an Express application with clustering to Elastic Beanstalk](#)
- [Customizing and Configuring a Node.js Container](#)
- [Working with Logs](#)

Database Services:

- Launch an Amazon RDS instance (choose MySQL, PostgreSQL, or another engine).
- Connect to the RDS instance from your EC2 instance or local machine using appropriate credentials.
- Create a sample database schema and insert some data.

The screenshot shows the AWS RDS Management Console with the URL ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#database:id=my-rds-db;is-cluster=false;tab=configuration. The left sidebar is titled "Amazon RDS" and includes links for Dashboard, Databases (which is selected), 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, Events, Event subscriptions, Recommendations (0), and Certificate update. The main content area is titled "Instance" and displays configuration details for a MySQL 8.0.35 instance named "my-rds-db". The table columns are Configuration, Instance class, Storage, and Performance Insights. Key details include:

Configuration	Instance class	Storage	Performance Insights
DB instance ID my-rds-db	Instance class db.t4g.micro	Encryption Enabled	Performance Insights enabled Turned off
Engine version 8.0.35	vCPU 2	AWS KMS key aws/rds	
RDS Extended Support Disabled	RAM 1 GB	Storage type General Purpose SSD (gp3)	
DB name -	Availability	Storage 20 GiB	
License model General Public License	Master username admin	Provisioned IOPS 3000 IOPS	
Option groups default:mysql-8-0 In sync	Master password *****	Storage throughput 125 MiBps	
Amazon Resource Name (ARN) arn:aws:rds:ap-south-1:724772064366:db:my-rds-db	IAM DB authentication Not enabled	Storage autoscaling Enabled	
Resource ID db-CCNYK62DIDSY3UIP4BISZ4AQ	Multi-AZ No	Maximum storage threshold 1000 GiB	
Created time September 08, 2024, 21:12 (UTC+05:30)	Secondary Zone -	Storage file system configuration Current	
DB instance parameter group default.mysql8.0 In sync			

At the bottom, there are links for CloudShell, Feedback, © 2024, Amazon Web Services, Inc. or its affiliates., Privacy, Terms, and Cookie preferences.

24Online Client Database Details - RDS Manager

ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#databaseid=my-rds-db;is-cluster=false;tab=connectivity

AWS Services Search [Alt+S]

Mumbai goud @ 7247-7206-4366 All Bookmarks

Amazon RDS

Endpoint & port

Endpoint: my-rds-db.cl6wqwqeqf7h.ap-south-1.rds.amazonaws.com
Port: 3306

Networking

Availability Zone: ap-south-1b
VPC: vpc-08bc4fea8c89bc7e6
Subnet group: rds-ec2-db-subnet-group-1
Subnets: subnet-0fb491ca6f7e8a7cf, subnet-07e43536e560c775d, subnet-04a10073fb58ce54f

Security

VPC security groups:
default (sg-0901d02f3057540aa) (Active)
rds-ec2-1 (sg-03ce1de95ed28ab6) (Active)

Publicly accessible: No

Certificate authority: Info
rds-ca-rsa2048-g1

Certificate authority date: May 20, 2061, 00:10 (UTC+05:30)

DB instance certificate expiration date: September 08, 2025, 21:11 (UTC+05:30)

Network type: IPv4

Connected compute resources (1) Info

Connections to compute resources that were created automatically by RDS are shown here. Connections to compute resources that were created manually aren't shown.

Filter by compute resources

Resource identifier	Resource type	Availability Zone	VPC security group	Compute resource security group	Connected pr...
i-0007627ae14bd708a	EC2 instance	ap-south-1	rds-ec2-1	ec2-rds-1	-

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24Online Client Instances | EC2 | ap-south-1

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:instanceState=running

AWS Services Search [Alt+S]

Mumbai goud @ 7247-7206-4366 All Bookmarks

Instances (1) Info

Last updated less than a minute ago

Find Instance by attribute or tag (case-sensitive)

Instance state = running

Clear filters

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
rith-18	i-0007627ae14bd708a	Running	t2.micro	2/2 checks passed	View alarms +	ap-south-1a	ec2-13-120-14-199

Select an instance

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24Online Client EC2 Instance Connect Database Details - RDS Manager

```
ubuntu@ip-172-31-37-225:~$ mysql -h my-rds-db.cl6wgwgegf7h.ap-south-1.rds.amazonaws.com -P 3306 -u admin -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 38
Server version: 8.0.35 Source distribution

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help,' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
4 rows in set (0.00 sec)

mysql>
```

i-0007627ae14bd708a (rith-18)

Public IPs: 13.126.14.146 Private IPs: 172.31.37.225

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24Online Client EC2 Instance Connect Database Details - RDS Manager

```
aws Services Search [Alt+S]
```

```
mysql
performance_schema
sys
+-----+
4 rows in set (0.00 sec)

mysql> CREATE DATABASE sampledb;
Query OK, 1 row affected (0.01 sec)

mysql> USE sampledb;
Database changed
mysql> CREATE TABLE users (
    >     id INT AUTO_INCREMENT PRIMARY KEY,
    >     name VARCHAR(100) NOT NULL,
    >     email VARCHAR(100) UNIQUE NOT NULL,
    >     created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
    > );
Query OK, 0 rows affected (0.05 sec)

mysql> INSERT INTO users (name, email)
    >     ('Alice', 'alice@example.com'),
    >     ('Bob', 'bob@example.com');
Query OK, 2 rows affected (0.01 sec)
Records: 2  Duplicates: 0  Warnings: 0

mysql> SELECT * FROM users;
+----+-----+-----+-----+
| id | name | email | created_at |
+----+-----+-----+-----+
| 1  | Alice | alice@example.com | 2024-09-08 16:29:49 |
| 2  | Bob   | bob@example.com   | 2024-09-08 16:29:49 |
+----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>
```

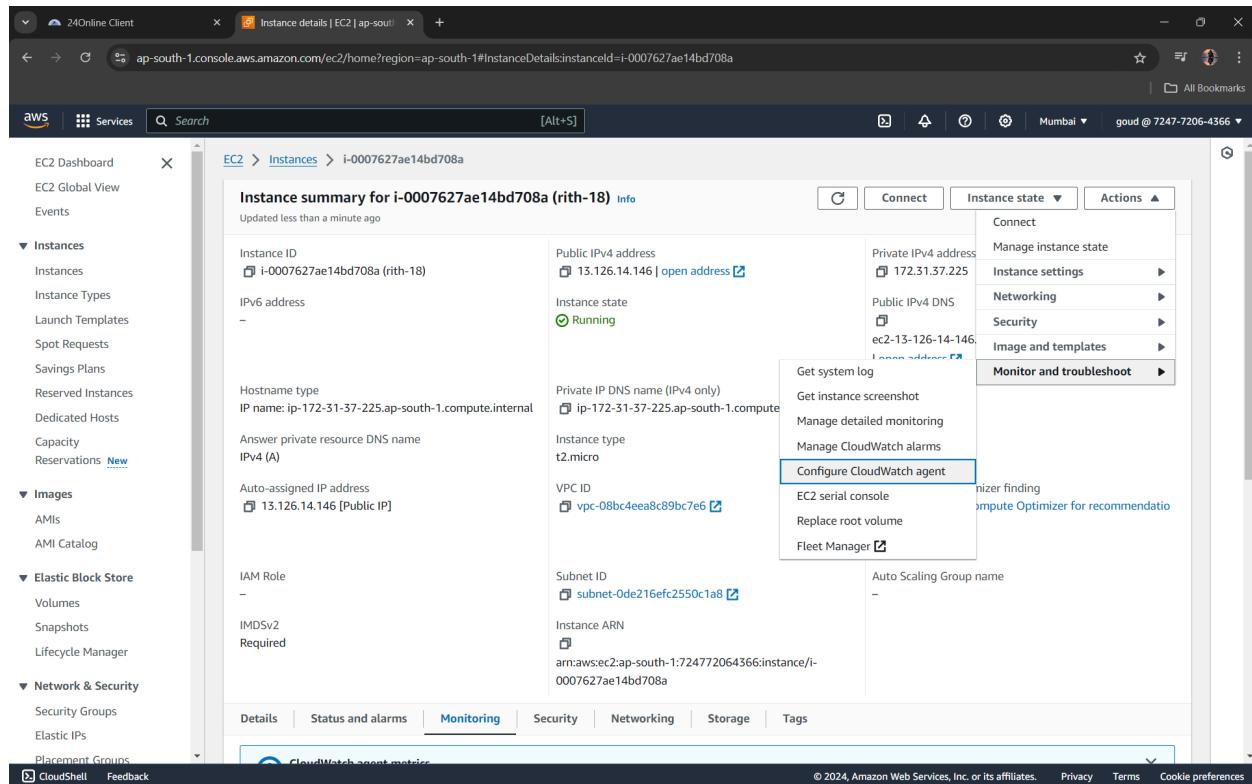
i-0007627ae14bd708a (rith-18)

Public IPs: 13.126.14.146 Private IPs: 172.31.37.225

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Monitoring and Logging:

- Enable CloudWatch Logs for your EC2 instances and RDS instance.
- Create a CloudWatch alarm to monitor CPU utilization on your EC2 instance and set up an SNS notification.



24Online Client Databases - RDS Management Create alarm | Alarms | CloudWatch Instances | EC2 | ap-south-1 EC2 Instance Connect

aws Services ec2

CloudWatch > Alarms > Create alarm

Specify metric and conditions

Step 1 Specific metric and conditions Step 2 Configure actions Step 3 Add name and description Step 4 Preview and create

Specify metric and conditions

Metric

Graph

This alarm will trigger when the blue line goes above the red line for 1 datapoints within 5 minutes.

Percent

12.9
10
6.82
0.768

14:30 15:30 16:30

CPUUtilization

Namespace AWS/EC2

Metric name CPUUtilization

InstanceID i-0007627ae14bd708a

Instance name rith-18

Statistic Average

Period 5 minutes

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24Online Client Databases - RDS Management Create alarm | Alarms | CloudWatch Instances | EC2 | ap-south-1 EC2 Instance Connect

aws Services ec2

CPUUtilization

Statistic Average

Period 5 minutes

Conditions

Threshold type

Static Use a value as a threshold Anomaly detection Use a band as a threshold

Whenever CPUUtilization is... Define the alarm condition.

Greater > threshold Greater/Equal >= threshold Lower/Equal <= threshold Lower < threshold

than... Define the threshold value.

10 Must be a number

Additional configuration

Cancel Next

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Screenshot of the AWS SNS Subscriptions page.

The left sidebar shows navigation links: Dashboard, Topics, Subscriptions (selected), and Mobile (Push notifications, Text messaging (SMS), Origination numbers).

The main content area displays a table titled "Subscriptions (1)".

ID	Endpoint	Status	Protocol	Topic
2f49f245-9b4a-4638-ac...	rithvik18m@gmail.com	Confirmed	EMAIL	Default_CloudWatch_Alarm

Buttons at the top of the table: Edit, Delete, Request confirmation, Confirm subscription, and Create subscription.

Screenshot of the AWS CloudWatch Metrics Create alarm step 1: Specify metric and conditions.

The left sidebar shows navigation steps: Step 1 (Specify metric and conditions), Step 2 (Configure actions), Step 3 (Add name and description), and Step 4 (Preview and create).

The main content area is titled "Preview and create".

Step 1: Specify metric and conditions

Metric

This alarm will trigger when the blue line goes above the red line for 1 datapoints within 5 minutes.

Graph

Conditions

Threshold: 10% (above the red line)

Configuration Details

- Namespace: AWS/EC2
- Metric name: CPUUtilization
- InstanceId: i-0007627ae14bd708a
- Instance name: rith-18
- Statistic: Average
- Period: 5 minutes

24Online Client | Databases - RDS Manager | Alarms | CloudWatch | ap-south-1 | Subscriptions | Simple Notif | Instances | EC2 | ap-south-1 | EC2 Instance Connect

ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#alarmsV2

AWS Services sns

CloudWatch

Successfully created alarm EC2 machine cpu utilization.

View alarm

Favorites and recent

CloudWatch Alarms

Alarms (1)

Name: EC2 machine cpu utilization State: OK Last state update (UTC): 2024-09-08 17:10:07 Conditions: CPUUtilization > 10 for 1 datapoints within 5 minutes Actions: Actions enabled

Logs All logs Log groups Log Anomalies Live Tail Logs Insights Contributor Insights Metrics All metrics Explorer Streams X-Ray traces Events Application Signals New Network monitoring Insights

CloudShell Feedback

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The screenshot shows the AWS CloudWatch Alarms interface. A success message at the top indicates 'Successfully created alarm EC2 machine cpu utilization.' The main table lists one alarm: 'EC2 machine cpu utilization' with status 'OK'. It was last updated on 2024-09-08 17:10:07. The condition is 'CPUUtilization > 10 for 1 datapoints within 5 minutes'. The 'Actions' column shows 'Actions enabled'. The left sidebar includes links for Dashboards, Alarms, Logs, Metrics, X-Ray traces, Events, Application Signals, Network monitoring, and Insights.

24Online Client | Databases - RDS Manager | Alarms | CloudWatch | ap-south-1 | Subscriptions | Simple Notif | Instances | EC2 | ap-south-1 | EC2 Instance Connect

ap-south-1.console.aws.amazon.com/sns/v3/home?region=ap-south-1#subscriptions

AWS Services Search [Alt+S]

Amazon SNS

New Feature: Amazon SNS now supports in-place message archiving and replay for FIFO topics. Learn more

Subscriptions (1)

Edit Delete Request confirmation Confirm subscription Create subscription

ID	Endpoint	Status	Protocol	Topic
2f49f245-9b4a-4638-ac...	rithvik18m@gmail.com	Confirmed	EMAIL	Default_CloudWatch_Al...

CloudShell Feedback

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The screenshot shows the AWS Amazon SNS Subscriptions interface. A new feature notice states 'Amazon SNS now supports in-place message archiving and replay for FIFO topics. Learn more'. The main table lists one subscription: '2f49f245-9b4a-4638-ac...' with endpoint 'rithvik18m@gmail.com', status 'Confirmed', protocol 'EMAIL', and topic 'Default_CloudWatch_Al...'. The left sidebar includes links for Dashboard, Topics, Subscriptions, Mobile, Push notifications, Text messaging (SMS), and Origination numbers.

The screenshot shows the AWS CloudWatch Log groups interface. The left sidebar navigation includes:

- Favorites and recent
- CloudWatch (selected)
- Alarms
- Logs
 - Log groups (selected)
 - Log Anomalies
 - Live Tail
 - Logs Insights
 - Contributor Insights
- Metrics
- X-Ray traces
- Events
- Application Signals
- Network monitoring
- Insights

The main content area displays the "Log groups (1)" section. It includes a search bar, filter options (Exact match), and a table with the following data:

Log group	Log class	Anomaly d...	Data p...	Sensiti...	Retenti...	Metric
RDSOSMetrics	Standard	Configure	-	-	1 month	-

At the bottom of the page, there are links for CloudShell, Feedback, and footer information: © 2024, Amazon Web Services, Inc. or its affiliates., Privacy, Terms, and Cookie preferences.

Security and Identity:

- Set up IAM roles and policies to grant permissions to your EC2 instance to access S3 buckets securely.
- Enable multi-factor authentication (MFA) for your AWS root account or IAM users.
- Use AWS Identity and Access Management (IAM) to create a new user with limited permissions.

The screenshot shows the AWS IAM console with the following details:

- S3-bucket-access** (Info): Allows EC2 instances to call AWS services on your behalf.
- Summary**:
 - Creation date: September 08, 2024, 22:53 (UTC+05:30)
 - ARN: arn:aws:iam::724772064366:role/S3-bucket-access
 - Last activity: -
 - Maximum session duration: 1 hour
 - Instance profile ARN: arn:aws:iam::724772064366:instance-profile/S3-bucket-access
- Permissions**:
 - Permissions policies (1): Info
 - Policy name: AmazonS3ReadOnlyAccess
 - Type: AWS managed
 - Attached entities: 2
- Permissions boundary**: (not set)

us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/users/details/goud?section=security_credentials

MFA device assigned

You can register up to 8 MFA devices of any combination of the currently supported MFA types with your AWS account root and IAM user. With multiple MFA devices, you only need one MFA device to sign in to the AWS console or create a session through the AWS CLI with that user.

Summary

ARN arn:aws:iam::724772064366:user/goud	Console access Enabled with MFA	Access key 1 Create access key
Created September 03, 2024, 21:31 (UTC+05:30)	Last console sign-in Today	

Permissions | Groups (1) | Tags | **Security credentials** | Access Advisor

Console sign-in

Console sign-in link
<https://rith-18.siginin.aws.amazon.com/console>

Console password
Updated 5 days ago (2024-09-03 21:31 GMT+5:30)

Last console sign-in
4 minutes ago (2024-09-08 22:59 GMT+5:30)

Multi-factor authentication (MFA) (1)

Use MFA to increase the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA device. Each user can have a maximum of 8 MFA devices assigned. [Learn more](#)

[Remove](#) | [Resync](#) | [Assign MFA device](#)

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us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/users

IAM > Users

Users (1) Info

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

User name	Path	Groups	Last activity	MFA	Password age	Console last sign-in
goud	/	1	5 minutes ago	0	5 days	September 08, 2024,

[Create user](#)

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