

Pr7 RDS

Important changes:

The image displays two screenshots of the AWS RDS console interface, showing the 'Resources' and 'Databases' sections.

Top Screenshot: Resources

The 'Resources' section shows the following usage in the Asia Pacific (Mumbai) region:

- DB Instances (0/20)**: Allocated storage (0 TB/100 TB), Instances and storage include Neptune and DocumentDB. [Increase DB instances limit](#)
- DB Clusters (0/40)**: Reserved instances (0/20), Snapshots (0)
- Parameter groups (0)**: Default (0), Custom (0/40)
- Option groups (0)**: Default (0), Custom (0/20)
- Subnet groups (0/20)**: Supported platforms [VPC](#)
- Default network vpc-014c092f63f88be84**
- Recent events (0)**: Event subscriptions (0/20)

Recommended services

- Batch**: Fully managed batch processing at any scale
- AWS Organizations**: Central governance and management across AWS accounts
- Systems Manager**: AWS Systems Manager is a Central Place to View and Manage AWS Resources
- CloudFormation**: Create and Manage Resources with Templates
- Direct Connect**: Dedicated Network Connection to AWS

Recommended for you

Implementing Cross-Region DR
Learn how to set up Cross-Region disaster recovery (DR) for Aurora PostgreSQL using an Aurora global database spanning multiple Regions. [Learn more](#)

Create database

Amazon Relational Database Service (RDS) makes it easy to set up, operate, and scale relational databases in the cloud. You can use a backup from Amazon S3 to restore.

Bottom Screenshot: Databases

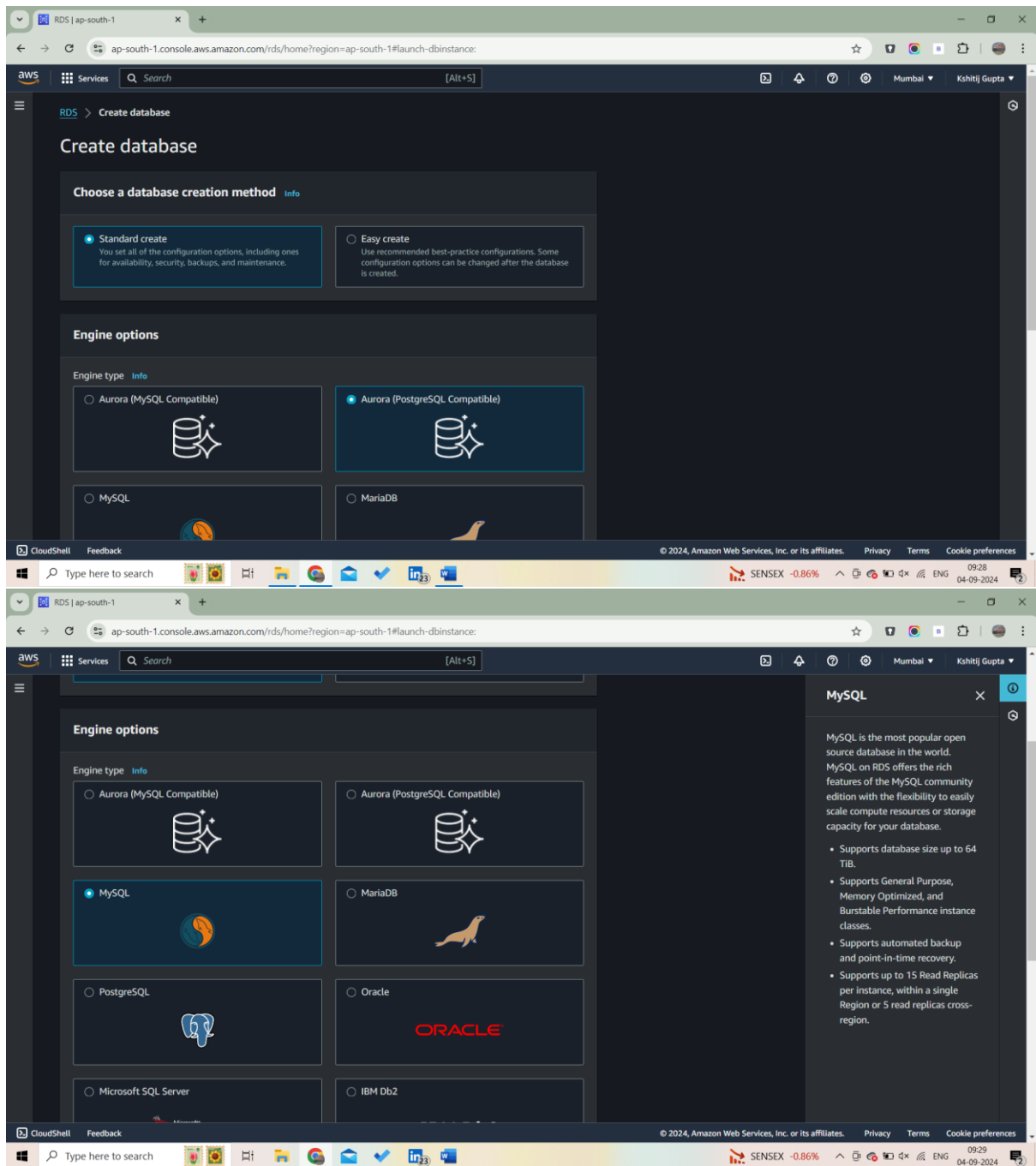
The 'Databases' section shows a notification to consider creating a Blue/Green Deployment to minimize downtime during upgrades. A Blue/Green Deployment provides a staging environment for changes to production databases. [RDS User Guide](#) [Aurora User Guide](#)

Databases (0)

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

Filter by databases

DB identifier	Status	R...	Engl...	Region & ...	Size	Recommendations	C...	Current act
No instances found								



ap-south-1

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

Services

Search

[Alt+S]

MySQL Server

IBM Db2

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.

Edition

MySQL Community

Engine version

View the engine versions that support the following database features.

Show filters

Engine Version

MySQL 8.0.33

Enable RDS Extended Support

Amazon RDS Extended Support is a paid offering. By selecting this option, you consent to being charged for this offering if you are running your database major version past the RDS end of standard support date for that version. Check the end of standard support date for your major version in the RDS for MySQL documentation.

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.

CloudShell

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

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

Events

Event subscriptions

Successfully created database kshitij-007

You can use settings from kshitij-007 to simplify configuration of suggested database add-ons while we finish creating your DB for you.

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.

Databases (1)

Group resources

Modify

Actions

Restore from S3

Create database

Filter by databases

DB Identifier	Status	Role	Engine	Region & ...	Size	Recommendations	CPU
kshitij-007	Available	Instance	MySQL Community	ap-south-1b	db.t3.micro		

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Home

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Mumbai

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Availability and durability

Deployment options

Multi-AZ DB Cluster

Multi-AZ DB instance

Single DB instance

Settings

DB Instance Identifier

database-1

Credentials Settings

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Home

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Minimum constraints: At least 8 printable ASCII characters. Can't contain any of the following symbols: / ' " @

Confirm master password

Instance configuration

DB instance class

Show filters

Standard classes (includes m classes)

Memory optimized classes (includes r and x classes)

Burstable classes (includes t classes)

db.t3.micro

2 vCPUs 1 GiB RAM Network: 2.085 Mbps

Storage

Storage type

Provisioned IOPS SSD (io2) storage volumes are now available.

General Purpose SSD (gp3)

Performance scales independently from storage

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Storage

Storage type [Info](#)

Provisioned IOPS SSD (io2) storage volumes are now available.

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

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.

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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.

Default VPC (vpc-014c092f63f88be84)
3 Subnets, 3 Availability Zones

Only VPCs with a corresponding DB subnet group are listed.

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Business

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 appropriate incoming traffic.

Choose existing

Choose existing VPC security groups

Create new

Create new VPC security group

New VPC security group name

kshiti007

Availability Zone

Info

No preference

RDS Proxy

Info

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

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Business

Availability zones

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

Info

Enable Enhanced Monitoring

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

Additional configuration

Info

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

Estimated Monthly costs

Info

DB Instance

18.25 USD

Storage

2.62 USD

Total

20.87 USD

This billing estimate is based on on-demand usage as described in [Amazon RDS Pricing](#). Estimate does not include costs for backup storage, I/Os (if applicable), or data transfer.

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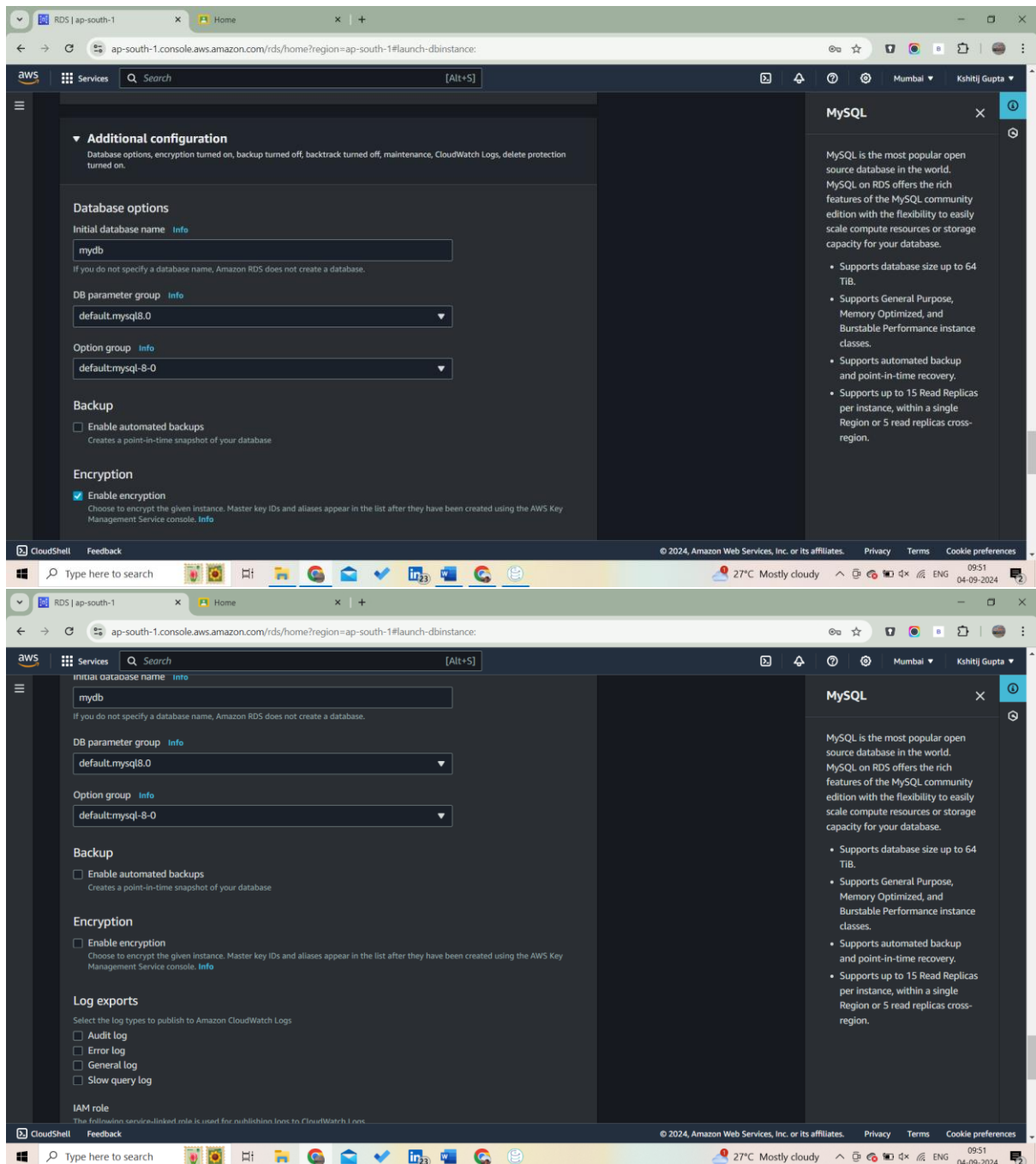
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Audit log

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.

Estimated Monthly costs

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