Amazon RDS

Create RDS Database:

1. Create RDS Instance

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1. Two options: Standard and easy

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1. Options for engine: Selecting MySQL

We can change the version of MySQl here

1. Templates: Prod/Dev/Free Tier. Going with free Tier

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1. DB Instance Identifier: Name of the DB
2. Set the credentials: Username, password( 8 characters)

Password can be set manually or AWS can autogenerate it.

1. Set DB Instance Class

AWS provide 3 different DB instance classes(just like EC2 instance types) choose based on your performance and load.

1. Storage: Choose you need SSD / magnetic/provisioned
2. Option to enable autoscaling: By default DB instances are autoscaled
3. Set the maximum threshold for sorage: after this threshold storage is auto scaled.

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1. Availability and Durability:

You can make Db available over multiple zones

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1. Connectivity: Choose VPC either default or create new VPC.

Once Db is created can’t change the VPC

1. Select the subnet group: Define which subnet or IP range the Db can use within the specified VPC
2. Public Access: Default is No, Select yes if want Db to be public

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1. VPC Security group:

Choose default security group or create new one

And select the availability zone

1. Additional Configuration:

Can select the database Port

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1. Database Authentication

To access the database can select the options to provide authentication

1. Database Options

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Provide name else RDs won’t create database

1. Backup

By default backup is enabled

If you don’t want backup instead of unchecking provide backup retention period as 0.

Retention period is time to which the backups are held.

Can also select the backup window- time to take backup of database

1. By default Tags are copied when snapshot is taken
2. Monitoring: Be default monitoring is disabled, error logs are enabled by default
3. Log Exports: Can select logs to be published in cloudwatch
4. Maintenance: By default auto minor version enabled
5. Select maintenance window
6. Deletion protection: By default it is unchecked

Graphical user interface, application

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