Category:

Database

Amazon RDS

What?
- Amazon Relational Database Service (Amazon RDS) is a managed service that makes it easy to set up, operate, and scale a relational database in the cloud.

Why?
- You want to focus on your applications and business instead of managing time-consuming database administration tasks.
- Once your database is up and running, Amazon RDS automates common administrative tasks, such as performing backups and patching the software that powers your database.

When?
- You need the capabilities of a familiar MySQL, MariaDB, Oracle, SQL Server, PostgreSQL or Amazon Aurora database.
- You want the flexibility of being able to easily scale the compute resources or storage capacity associated with your relational database instance.

Where?
- Amazon RDS can be deployed in a Single AZ or Multi-AZ. When you provision a Multi-AZ database instance, Amazon RDS synchronously replicates your data to a standby instance in a different Availability Zone (AZ).
- Read Replica – In the same or different AWS Region than the Amazon RDS Instance.

Who?
- Amazon RDS manages the work involved in setting up a relational database from provisioning the infrastructure capacity you request to installing the database software.
- You are responsible for managing the database settings that are specific to your application.

How?
- The basic building block of Amazon RDS is the DB instance. Your DB instance can contain one or more user-created databases.
- You can access your DB instance by using the same tools and applications that you use with a standalone database instance.

How much?
- You pay only for what you use, and there are no minimum or setup fees. You are billed based on: DB instance hours, Storage (per GB per month), Provisioned IOPS per month, Backup Storage and Data transfer.
- Unless you purchase reserved instances in a Region, all DB instances will be billed at on-demand hourly rates.

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