

Database and Analyst

1. RDS: Relational Database Service

- It Allows you to create database in the cloud that are Managed by AWS

- 1) Postgres
- 2) MySQL
- 3) MariaDB
- 4) Oracle
- 5) Microsoft SQL Server
- 6) Aurora (AWS Proprietary Database)

*** Advantage over using RDS vs Deploying DB on EC2 ***

RDS is a managed service:

- Automated provisioning, OS patching
- Continue Backup & restore to specific timestamp (Point in time Restore)
- Monitoring dashboards
- Read replicas for improved read performance
- Multi AZ setup for DR (Disaster Recovery)
- Maintenance windows for upgrades
- Scaling capability (Vertical and Horizontal)
- Storage backed by EBS (GP2 or io I)
- But You can't SSH into Your Instances

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Aurora

- Aurora is a proprietary technology from AWS (Not Open Sourced)
- PostgreSQL and MySQL are both supported as Aurora DB
- Aurora is "AWS Cloud optimized" and Claims 5X performance improvement over MySQL on RDS, Ove

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