

Amazon RDS.

- What is Amazon RDS?

Amazon web services offers RDS a service where it is managed completely by AWS & also it offers wide range database engines like, MySQL, PostgreSQL, Oracle, SQL Server.

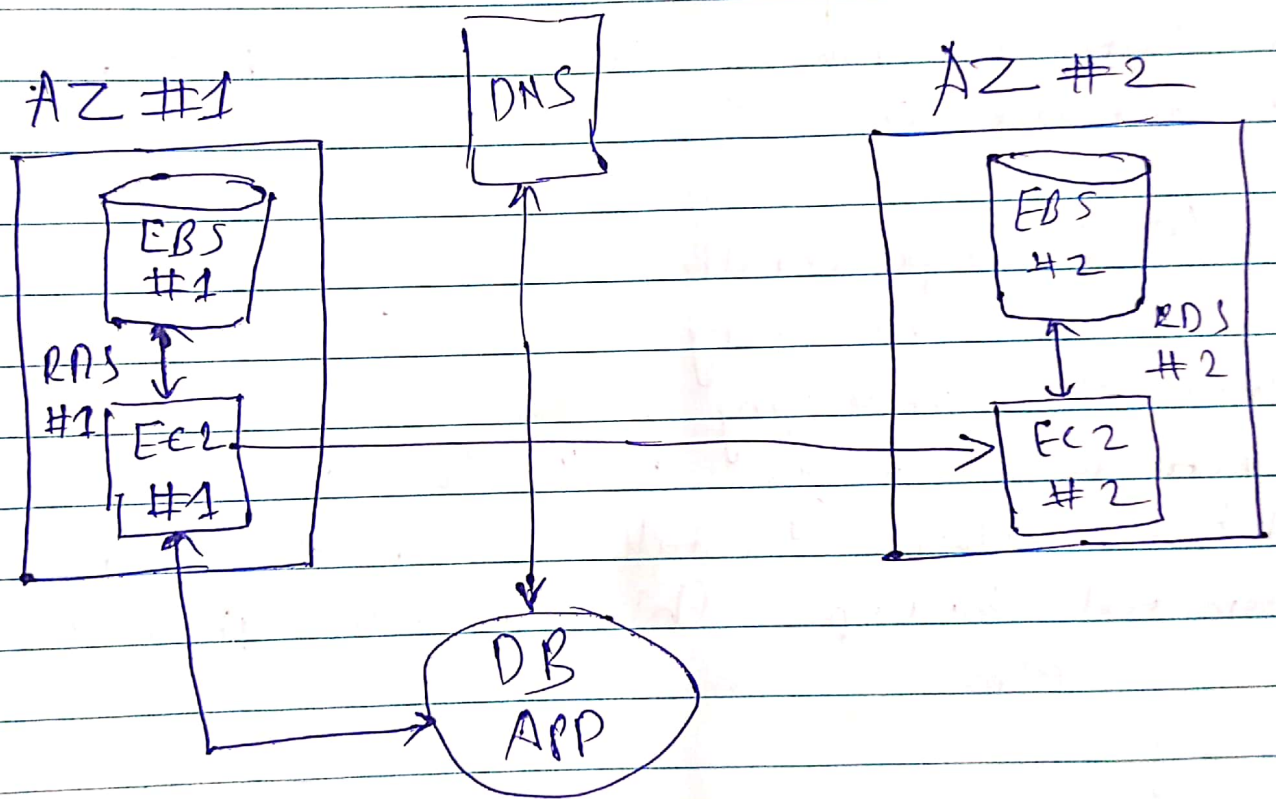
The backup of the data & the infrastructure will be taken care of by the AWS. Scaling & balancing the load the security is very high the data will be encrypted at rest can control the accesses to the data with the help of IAM. The DR will automatically take by the AWS automatically by the AWS.

- How Amazon RDS Works?

Traditionally, database management used to be a very scattered service, from the web-server to the application server & then finally to the database.

For the maintenance of such a vast system a team was required to shrink this workforce, AWS came across an amazing all-in-one service, RDS.

The whole architecture of RDS includes every aspect the traditional management system all in place. Thus it includes everything from EC2 to DNS.



To fully understand how to manage cloud database using AWS services like Amazon RDS, explore the which covers database scaling, optimization & management.

- Amazon RDS shared responsibility model.

The Amazon RDS shared responsibility model divides responsibilities between AWS & the customer ensuring the security & availability of database services.

1) AWS Responsibilities:

For managing the infrastructure which includes the underlying hardware, data centers & network security. AWS also handles database software installation, patching & automated backup. This includes physical security, failover management & ensuring high availability.

2) Customer Responsibilities:-

For managing the data stored within the database including encryption, access control & compliance with data governance policies. Customer also needs to configure security settings, fine-tune database performance & optimize queries to ensure efficient usage.