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*Terraform: AWS RDS Basics*

# ***Terraform : Deployment Automation***

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- **RDS** - Amazon Relational Database Service.
- It's Amazon managed DB Solution.
- RDS Manages BackUp, Software Patching, Auto Failure Detection and recovery.
- User have Automatic Backup and manual Backup Options.
- RDS Supports below RDBMS -
  - MySQL
  - MariaDB
  - Postgre SQL
  - Oracle
  - MS SQL Server

## ***Terraform : Deployment Automation***

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- RDS have HA functionality with auto replication.
- **RDS Auto Scaling -**
- RDS auto scale storage capacity in response to growing db workload with Zero Down Time.

## *Terraform : Deployment Automation*

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- **Steps to create RDS Instances:**
- Create a Subnet Group - Allow in which Subnets the database will be in.
- Create Parameter Group - Allow to change setting in DB using parameters.
- Create Security group - Allow incoming traffic to RDS instance.
- Create RDS Instance Itself.

# *Terraform : Deployment Automation*

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- **RDS AWS Components:**
  - DB Instances
  - Regions and Availability Zones
  - Security Groups
  - DB Parameter Groups.
  - DB Option Groups

*Will see you in Next Lecture...*

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*Thank you!*

A close-up photograph of a hand holding a black marker, completing the cursive phrase 'Thank you!' on a white background. The marker is positioned at the end of the exclamation mark, and the hand is visible on the right side of the frame.

*See you in next lecture ...*