ASSIGNMENT - MODULE 6
DATABASES &
IN-MEMORY DATASTORES

AWS Workshop

Contact us

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Exercise 1: Amazon RDS
   a) Create and setup an Amazon Aurora DB instance using RDS service.
   b) Login to a running EC2 public instance or create a new one to login.
   c) Install MySQL command line on it using the commands provided in hands-on doc.
   d) Try to connect to your RDS DB instance using MySQL command line.
   e) If you face connection issue while connecting, then update the security group to allow all traffic and then try to connect again.
   f) For any issues, refer hands-on doc and follow all steps carefully.

Exercise 2: Amazon Dynamo DB
   a) Create and configure a Dynamo DB table following the tutorial video.
   b) Add values to this table and explore sort, search and other features on it.

Exercise 3: Amazon ElastiCache
   a) Create and configure an ElastiCache cluster using Redis following the hands-on document.
   b) Explore your Redis cluster by navigating to various tabs and metrics
   c) Make sure port 5000 and 6379 are open in the EC2 instance's security group
   d) Deploy the Web Application by following the hands-on document.
   e) Export below environment vars as per your cluster details:
   - REDIS_URL
   - FLASK_APP
   - SECRET_KEY.
   f) Access your web application by opening url **http://<your_ec2_public_dns>:5000** on a browser and check the caching behaviour of your application by hitting apis **/login** and **/logout**.

NOTE: DELETE ALL THE RESOURCES CREATED TO AVOID UNNECESSARY COSTS IN YOUR AWS ACCOUNT