Activity 1

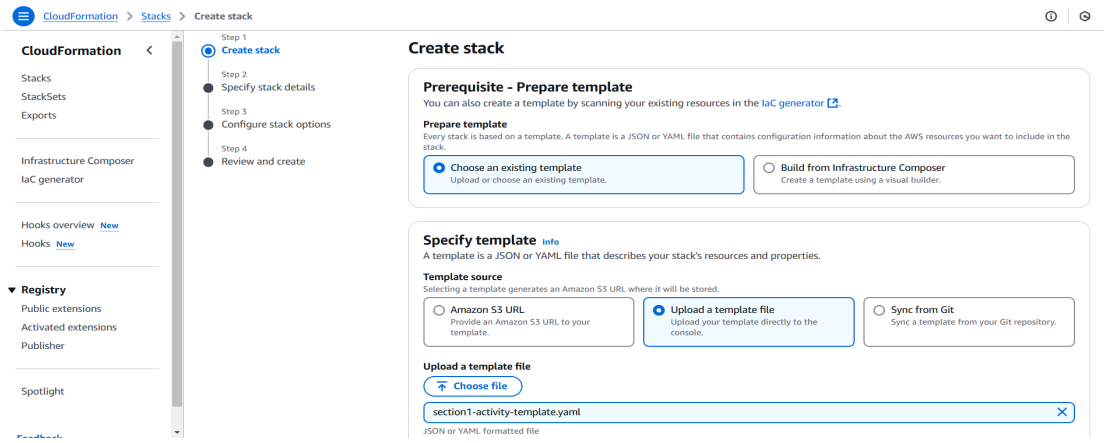
In this activity, the process involves using AWS CloudFormation to create and manage resources based on a provided template. First, locate the template file in the GitHub repository, save it locally, and edit it in VS Code as needed. Navigate to the AWS CloudFormation Console, upload the template, and create a new stack with a preferred name. After the stack creation completes, verify the successful creation of an Amazon DynamoDB table and an Amazon RDS MariaDB instance in their respective service consoles. Finally, delete the stack, wait for it to reach the 'DELETE_COMPLETE' state, and confirm the resources are removed.

What we have done in this activity 1:

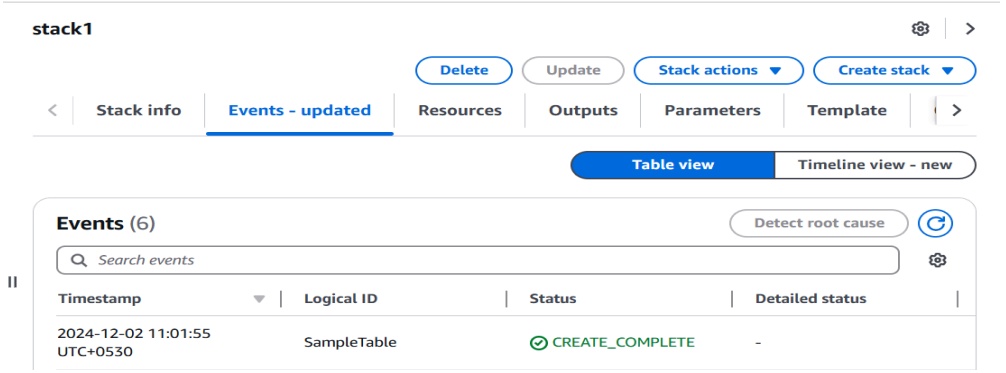
1. **DynamoDB Table**:
    - **TableName**: section1-activity-table
    - **KeySchema**: id (HASH)
    - **ProvisionedThroughput**: 1 read and 1 write capacity unit.
2. **RDS Database Instance** :
    - **Engine**: MariaDB
    - **Instance Class**: db.t4g.micro
    - **DBInstanceIdentifier**: section1-activity-db
    - **Storage**: 8 GB (General Purpose SSD)
    - **DeletionPolicy**: Delete on stack deletion

Activity

1. Find the template files in our GitHub repository under the same name as the heading for easy access and edits. Find and Save the attached template locally, open it in VS Code for edits.
2. Go to the AWS CloudFormation Console and create a new stack by uploading the template. Name the stack as you like and wait for the stack creation to complete successfully.



3. Check the service consoles to verify the creation of an Amazon DynamoDB table and an Amazon RDS MariaDB instance.



4. Delete the stack after verifying the resources and wait until it reaches the 'DELETE_COMPLETE' state. Confirm the resources are removed from their service consoles.