RDS Setup:

1. AWSTemplateFormatVersion: 2010-09-09
2. Description: Amazon RDS Example
3. Resources:
4. MyRDSInstance:
5. Type: 'AWS::RDS::DBInstance'
6. Properties:
7. DBInstanceIdentifier: my-rds-instance
8. AllocatedStorage: 20
9. Engine: mysql
10. MasterUsername: admin
11. MasterUserPassword: admin123
12. DBInstanceClass: db.t2.micro
13. PubliclyAccessible: false

YAML Example Code:

* **CloudFormation Template to build Ec2 instance:**

1. AWSTemplateFormatVersion: '2010-09-09'
2. Resources:
3. MyEC2Instance:
4. Type: 'AWS::EC2::Instance'
5. Properties:
6. InstanceType: t2.micro
7. ImageId: ami-12345678

* **CloudFormation Template to build S3 bucket**:

1. AWSTemplateFormatVersion: '2010-09-09'
2. Resources:
3. MyS3Bucket:
4. Type: 'AWS::S3::Bucket'
5. Properties:
6. BucketName: my-unique-bucket-name

* **CloudFormation Template to build IAM role:**

1. AWSTemplateFormatVersion: '2010-09-09'
2. Resources:
3. MyIAMRole:
4. Type: 'AWS::IAM::Role'
5. Properties:
6. RoleName: my-iam-role
7. AssumeRolePolicyDocument:
8. Version: '2012-10-17'
9. Statement:
10. - Effect: Allow
11. Principal:
12. Service: ec2.amazonaws.com
13. Action: sts:AssumeRole

JSON Example Code:

* **CloudFormation Template to build S3 bucket**:

1. {
2. "AWSTemplateFormatVersion": "2010-09-09",
3. "Resources": {
4. "MyS3Bucket": {
5. "Type": "AWS::S3::Bucket",
6. "Properties": {
7. "BucketName": "my-unique-bucket-name"
8. }
9. }

10.  }

11. }

* **CloudFormation Template to build Ec2 instance:**

1. {
2. "AWSTemplateFormatVersion": "2010-09-09",
3. "Resources": {
4. "MyEC2Instance": {
5. "Type": "AWS::EC2::Instance",
6. "Properties": {
7. "InstanceType": "t2.micro",
8. "ImageId": "ami-12345678"
9. }
10. }
11. }
12. }

* **CloudFormation Template to build IAM role:**

1. {
2. "AWSTemplateFormatVersion": "2010-09-09",
3. "Resources": {
4. "MyIAMRole": {
5. "Type": "AWS::IAM::Role",
6. "Properties": {
7. "RoleName": "my-iam-role",
8. "AssumeRolePolicyDocument": {
9. "Version": "2012-10-17",
10. "Statement": [
11. {
12. "Effect": "Allow",
13. "Principal": {
14. "Service": "ec2.amazonaws.com"
15. },
16. "Action": "sts:AssumeRole"
17. }
18. ]
19. }
20. }
21. }
22. }
23. }