IAM User and Group with CloudFormation

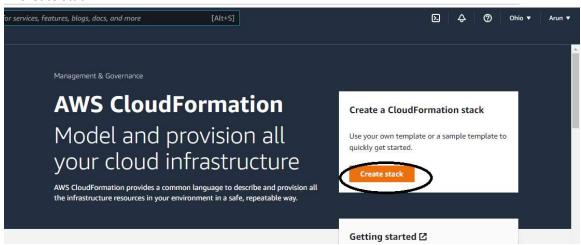
An AWS Identity and Access Management (IAM) user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS. A user in AWS consists of a name and credentials.

An IAM user with administrator permissions is not the same thing as the AWS account root user.

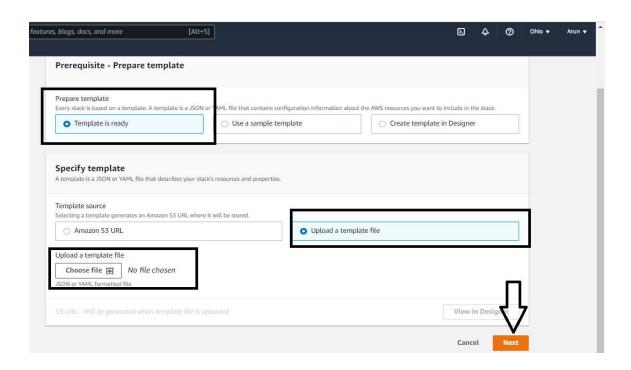
An IAM Group is a collection of users. Group specifies the permission for a collection of users, and it also makes it possible to manage the permissions easily for those users. You created a group known as Admin and assigned the permissions to the group that administrators typically need.

Uploading Template file:

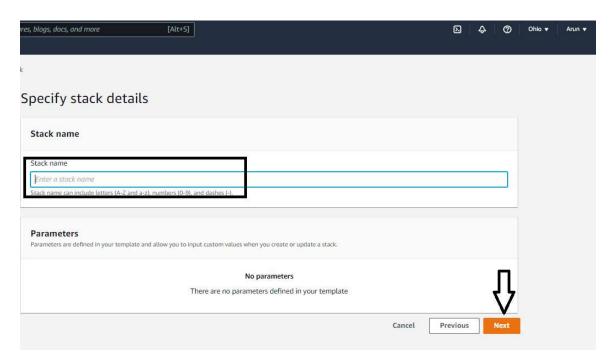
1. Create stack:



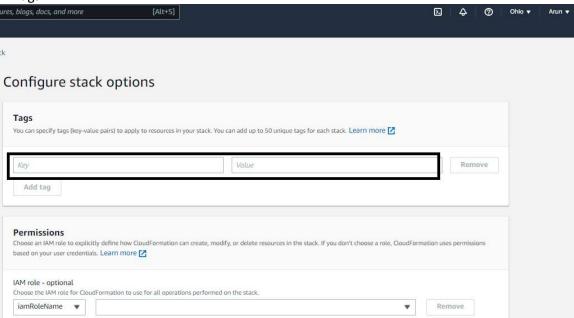
2. prepare template upload it to to stack



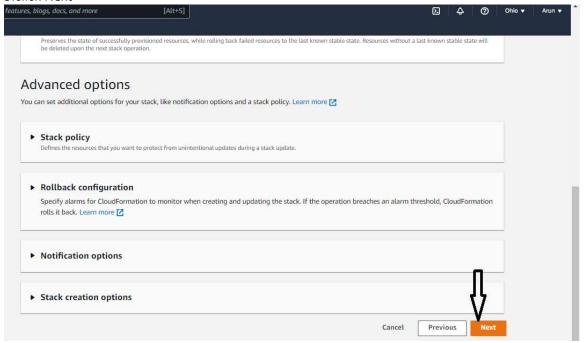
3. Enter Stack name and Next



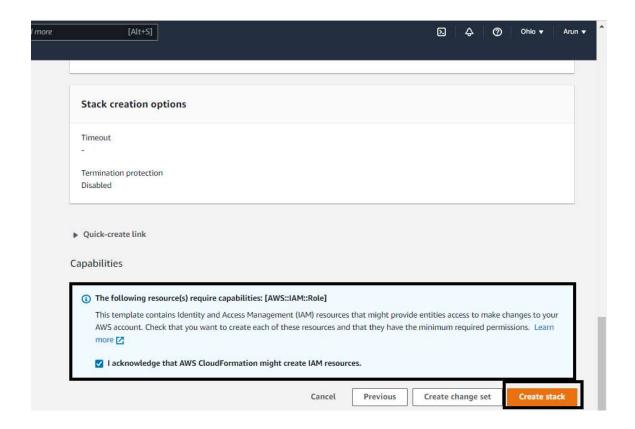
4. Tags



5.click Next



5. Review and Acknowledge



Yaml Code:

AWSTemplateFormatVersion: '2010-09-09'

Description: Creating IAM user, group, policy and roles.

Resources: ARUNUser:

Type: AWS::IAM::User

Properties: LoginProfile:

Password: Awscoe#9

RAMUser:

Type: AWS::IAM::User

Properties: LoginProfile:

Password: Awscoe#8

AWSUserGroup:

Type: AWS::IAM::Group

AWSAdminGroup:

Type: AWS::IAM::Group

Users:

Type: AWS::IAM::UserToGroupAddition

Properties:

GroupName: !Ref 'AWSUserGroup'

Users: [!Ref 'ARUNUser']

Admins:

Type: AWS::IAM::UserToGroupAddition

Properties:

GroupName: !Ref 'AWSAdminGroup'

Users: [!Ref 'RAMUser']

AWSUserPolicies:

Type: AWS::IAM::Policy

Properties:

PolicyName: AWSUsers

PolicyDocument: Statement: - Effect: Allow

Action: ['cloudformation:Describe*', 'cloudformation:List*', 'cloudformation:Get*']

Resource: '*'

Groups: [!Ref 'AWSUserGroup']

AWSAdminPolicies: Type: AWS::IAM::Policy

Properties:

PolicyName: AWSAdmins

PolicyDocument: Statement: - Effect: Allow

Action: cloudformation:*

Resource: '*'

Groups: [!Ref 'AWSAdminGroup']

AWSKeys:

Type: AWS::IAM::AccessKey

Properties:

UserName: !Ref 'RAMUser'

Outputs: AccessKey:

Value: !Ref 'AWSKeys'

Description: AWSAccessKeyId of new user

SecretKey:

Value: !GetAtt [AWSKeys, SecretAccessKey]
Description: AWSSecretAccessKey of new user

