

Lesson 09 Demo 03

Creating an S3 Bucket Using CloudFormation

Objective: To demonstrate the process of creating an S3 Bucket stack using CloudFormation

Tools required: AWS Management Console

Prerequisites: None

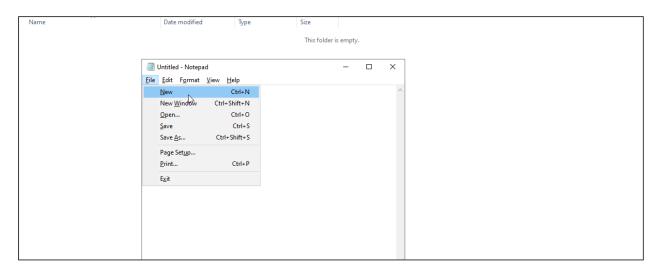
Steps to be followed:

1. Create a template

2. Create an S3 Bucket stack

Step 1: Create a template

1.1 Open a new file in Notepad





1.2 Write the following code in Notepad for the S3 bucket template:

Resources: S3Bucket:

Type: 'AWS::S3::Bucket' DeletionPolicy: Retain

Properties:

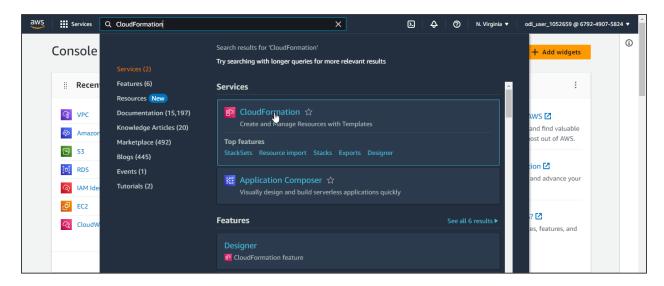
BucketName: docfilename1



You must save the file with a .yaml extension on your local system.

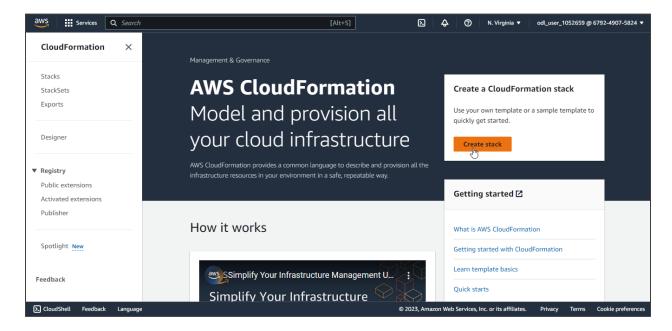
Step 2: Create an S3 Bucket stack

2.1 Go to the AWS Management Console and search for CloudFormation

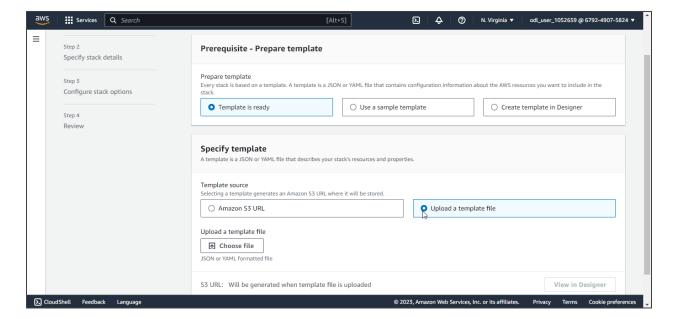




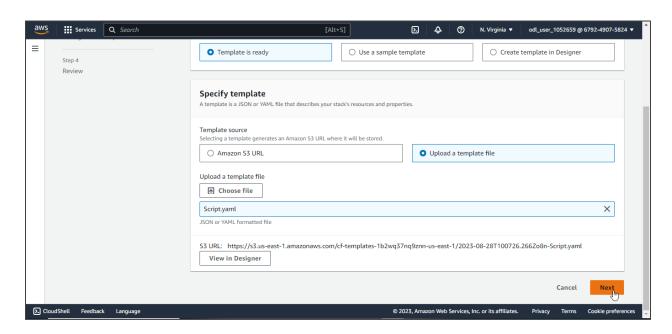
2.2 In the CloudFormation Management Console, click on Create stack



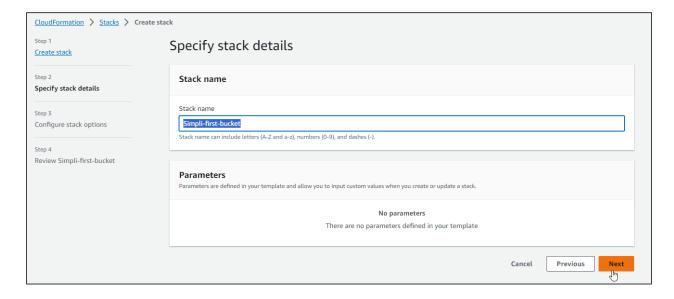
- 2.3 In the Create stack console, perform the following:
 - Choose Upload a template file in the Specify template section
 - Click on Choose file and upload the template created in Step 1. Now, click Next





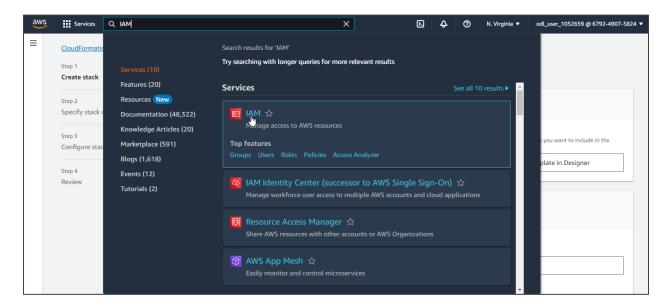


2.4 Enter an arbitrary name for the stack and click Next

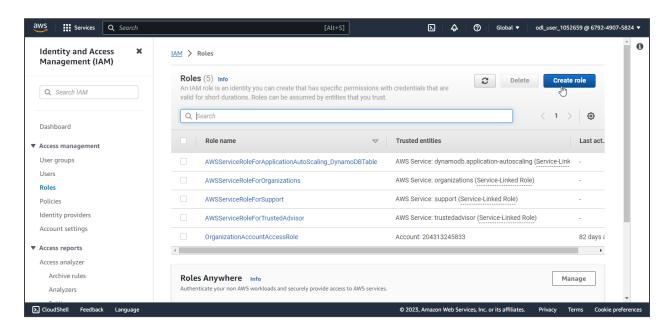




2.5 Open the **Duplicate** tab in the dashboard search and select the **IAM**



2.6 Select Roles and click on the Create role button

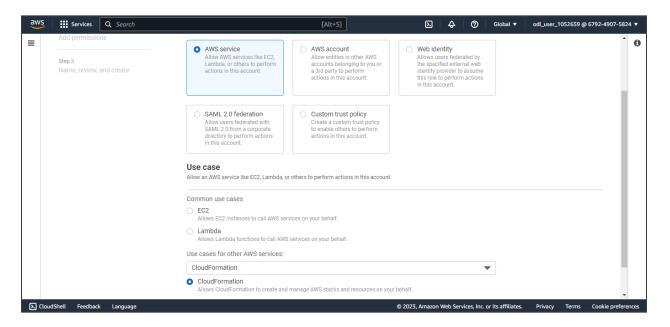




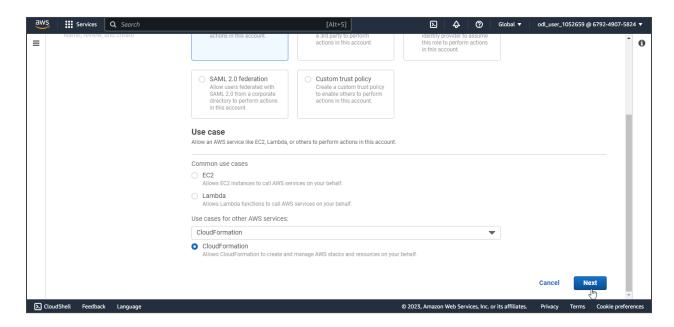
2.7 In the **Select trusted entity** section, specify the following values:

• Trusted entity type: AWS service

• Use case: CloudFormation

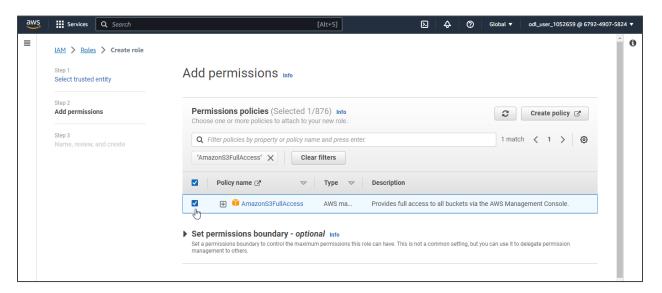


2.8 Click on the Next button

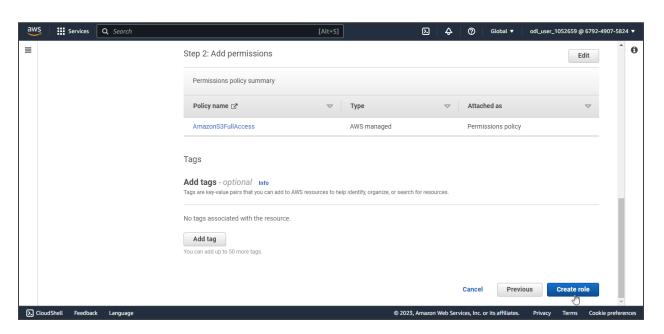




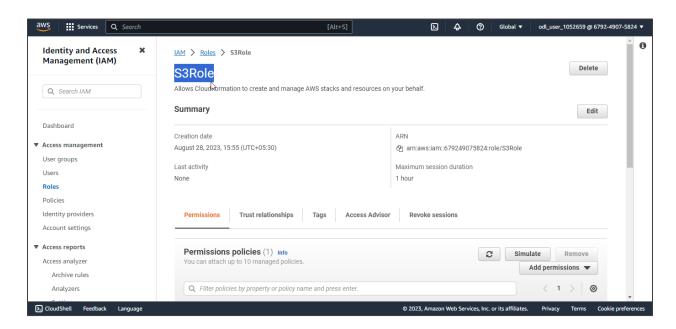
2.9 In the Permissions policies, search for and select AmazonS3FullAccess



2.10 Enter the role name and click on the Create role button

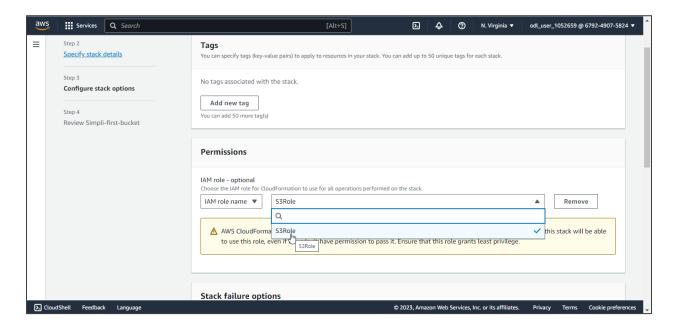






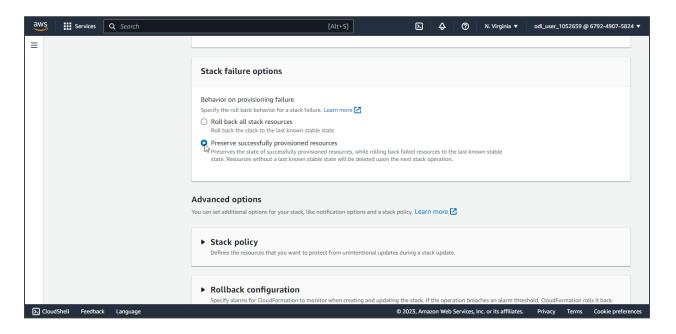
The IAM role has been created successfully.

2.11 Go back to the Stack. Now, in the **Configure stack options** page, select the IAM role.

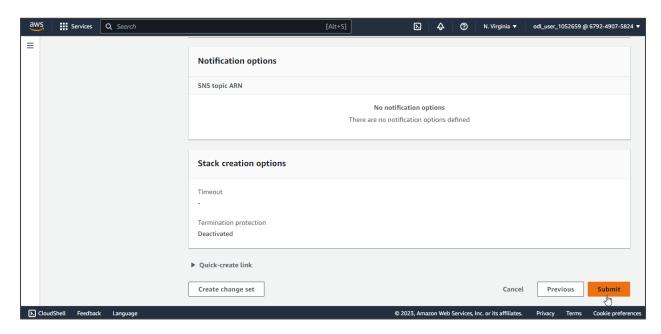




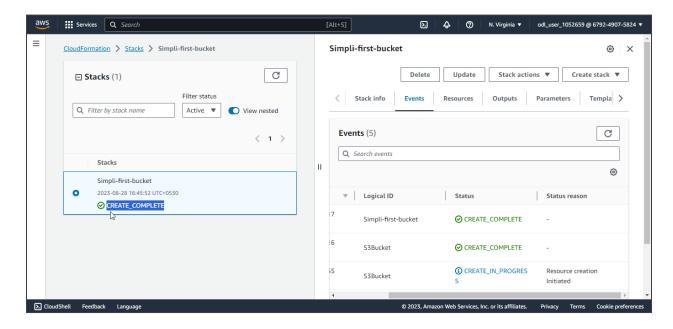
2.12 In Stack failure options, select Preserve successfully provisioned resources and click Next



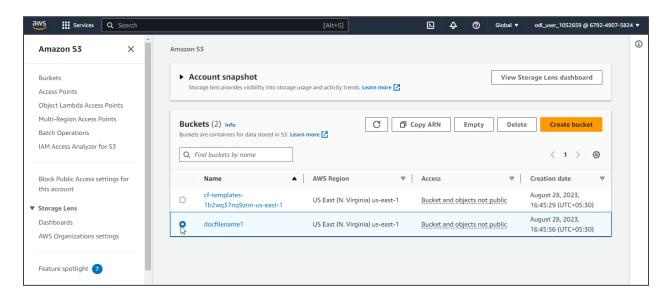
2.13 Review all the settings under the Review tab and click Submit







The newly created S3 bucket will be displayed in the list.



By following these steps, you have successfully created an S3 bucket using CloudFormation.