## **S3 Bucket Using CloudFormation**

## **Step 1: Create a Template**

- 1.1 Open a new file in a notepad
- 1.2 Write the following code in the notepad for the S3 bucket template:

## **Resources:**

## S3Bucket:

Type: 'AWS::S3::Bucket'

**DeletionPolicy: Retain** 

**Properties:** 

**BucketName: docfilename** 

```
in simp,yami-Notepad

File Edit Fgrmat View Help

Resources:

S3Bucket:

Type: 'AMS::S3::Bucket'

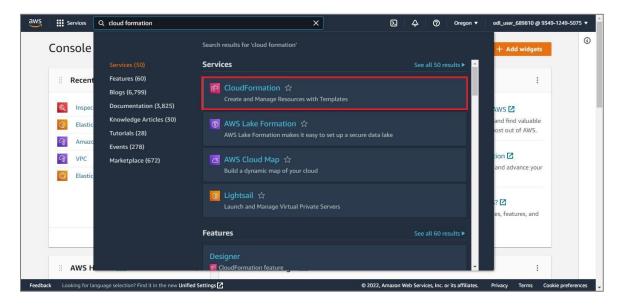
DeletionPolicy: Retain

Properties:

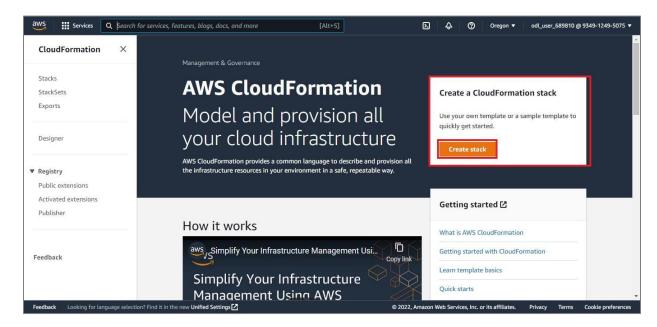
BucketName: docfilename
```

Save the file with a ".yaml" extension on your local system.

2.1 Go to the AWS Management Console, and search for Cloud Formation:



2.2 In the Cloud Formation Management Console, click on the **Create Stack**:



2.3 In Create stack console do the following:

• Choose **Upload a Template** in **Specify template** section.

All Files

<u>O</u>pen Cancel

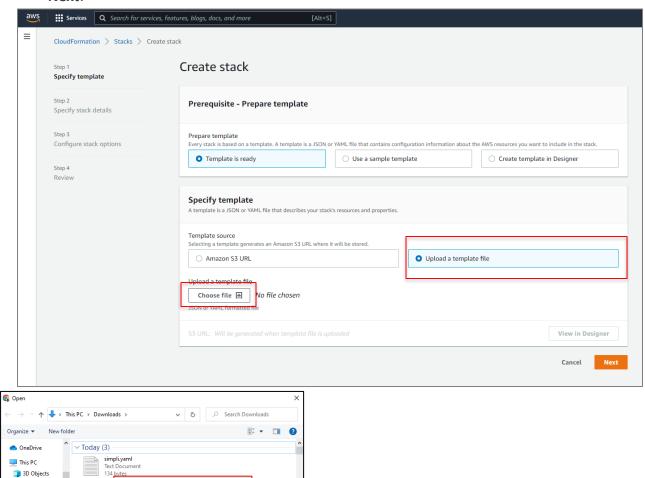
Desktop

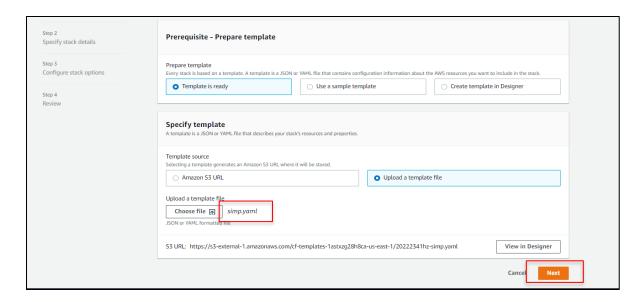
Documents

Downloads

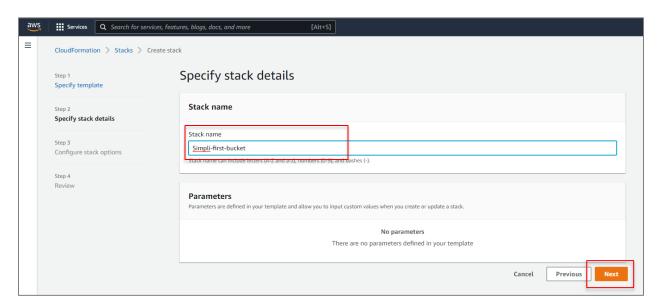
Fle <u>n</u>ame: simp.yaml

 Click on Choose file and upload the template created in step 1, then click on Next:



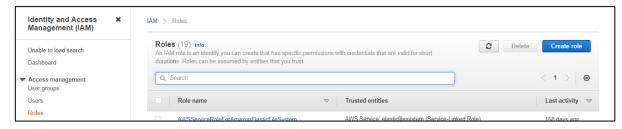


2.4 Enter an arbitrary name for the stack and click on Next:



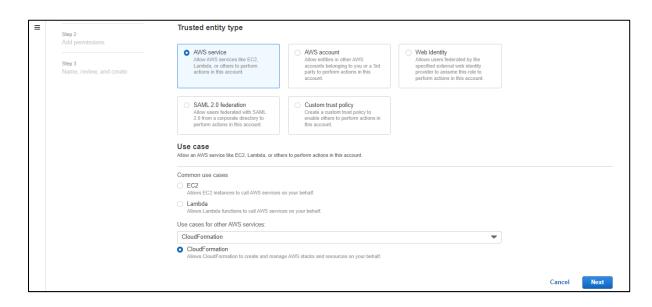
In the Configure stack options, keep all settings as default and click on Next

- 2.5 Open the **Duplicate** tab, in the dashboard search and select the **IAM**
- 2.6 Select the **Roles** and click on the Create role button

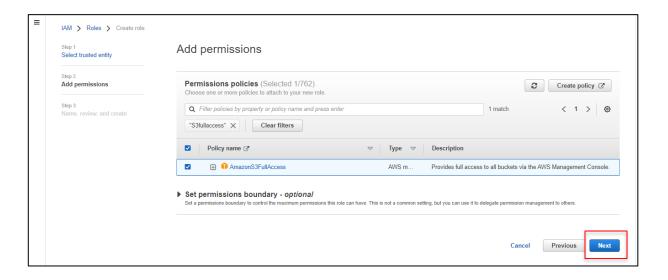


- 2.7 In the **Select trusted entity** section, specify the following values:
  - Trusted entity type: AWS service

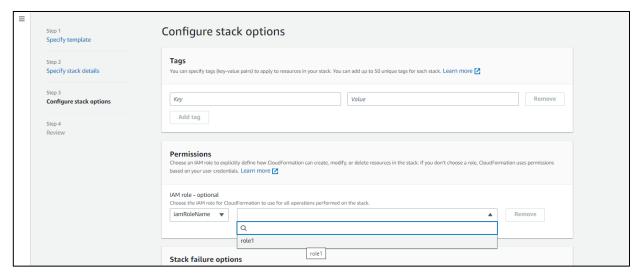
• Use case: CloudFormation



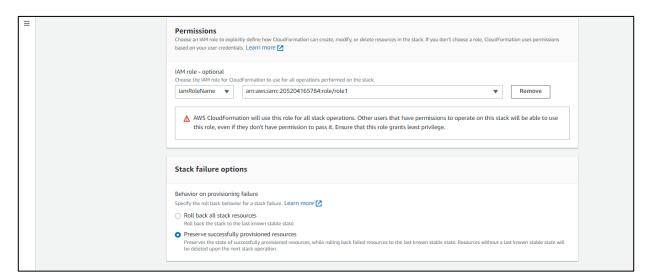
- 2.8 Click on the Next button
- 2.9 In the Permissions policies, search and select AmazonS3FullAccess



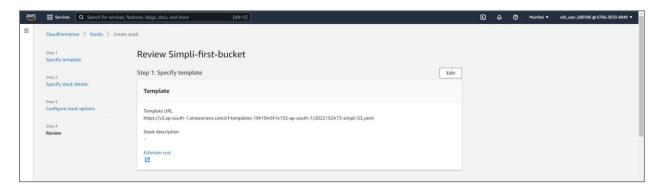
- 2.10 Enter the role name and click on the Create role button
- 2.11 Go back to the Stack, in Configure stack options page, select the IAM role



2.12 In **Stack failure options**, select **Preserve successfully provisioned resources** and then click on the Next button

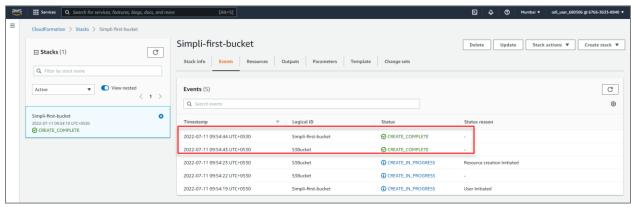


2.13 Review all the settings under the **Review** tab, click on **Create Stack:** 





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



Hence the S3 bucket is created using CloudFormation.