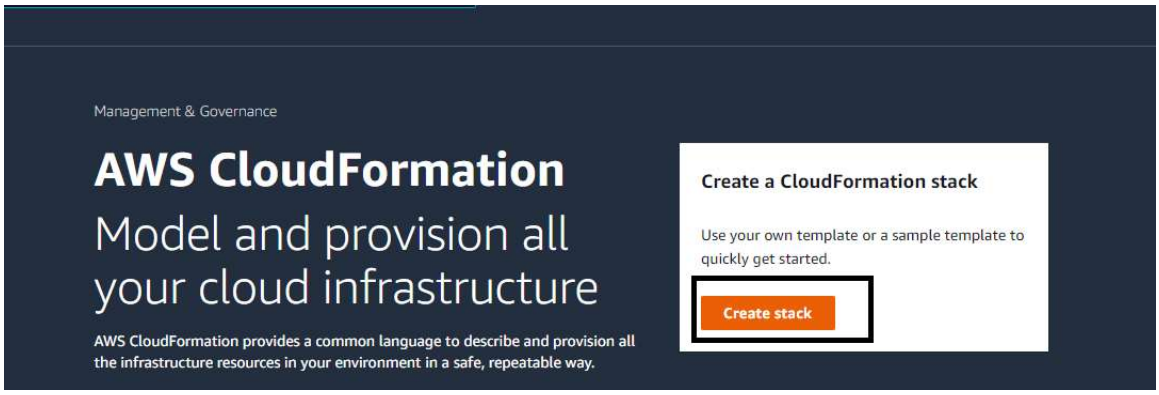
CloudFormation

Selecting a stack template



1. On the Specify template page, choose a stack template by using **Template is ready**

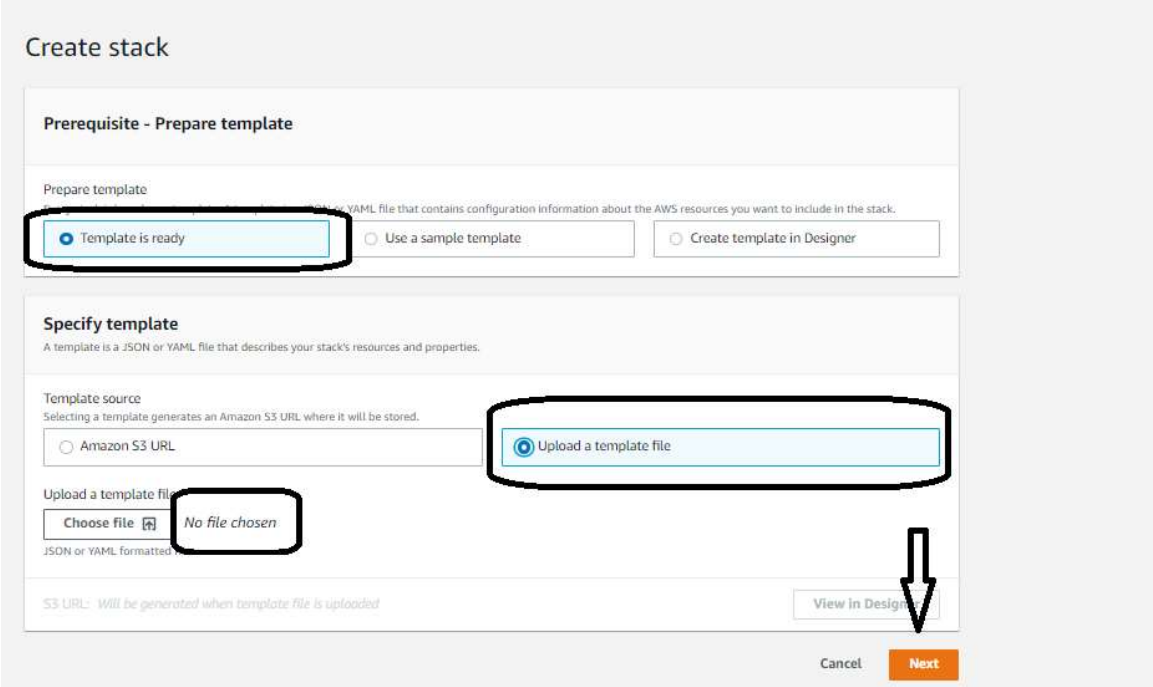
Specify a completed template you have ready for creating a stack.

In the Specify template section, select the appropriate option based on the template's location:

upload a template file -JSON or YAML

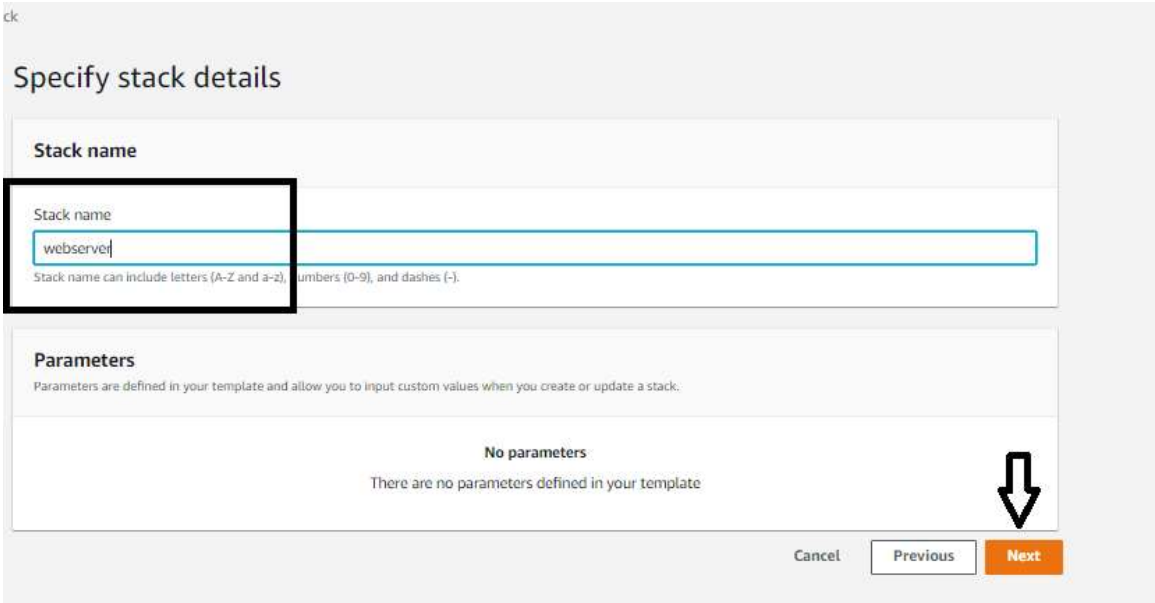
Select a CloudFormation template on your local computer.

Choose Choose File to select the template file that you want to upload. The template can be a maximum size of 1 MB. Once you have chosen your template, CloudFormation uploads the file and displays the S3 URL.

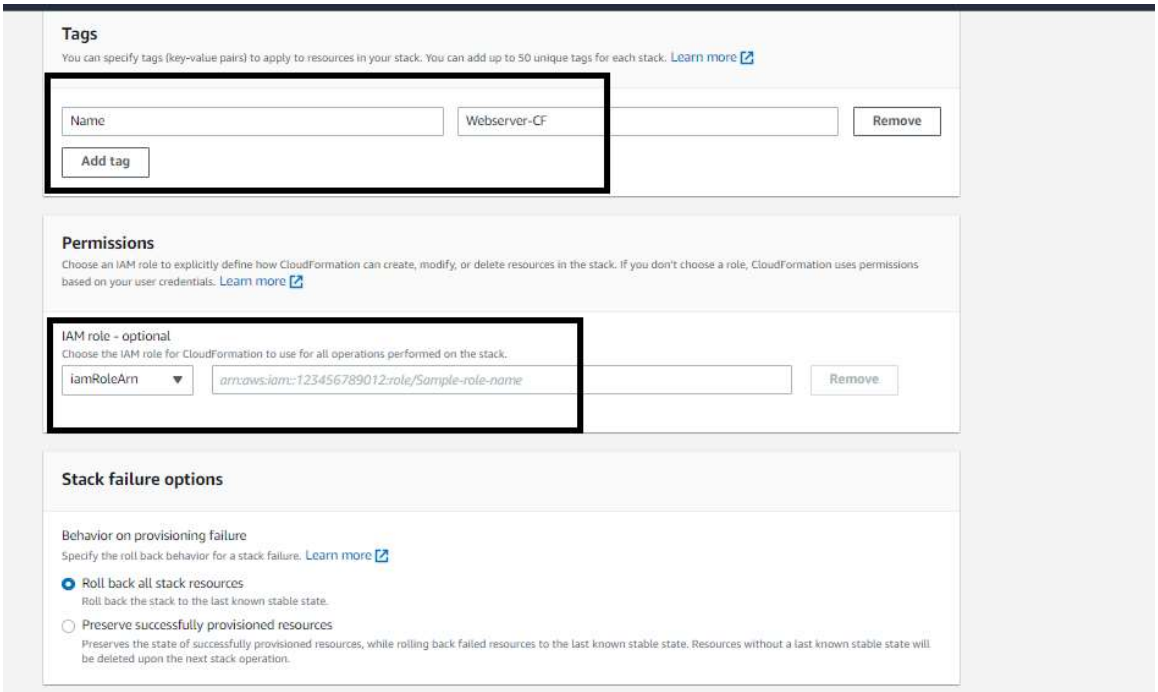


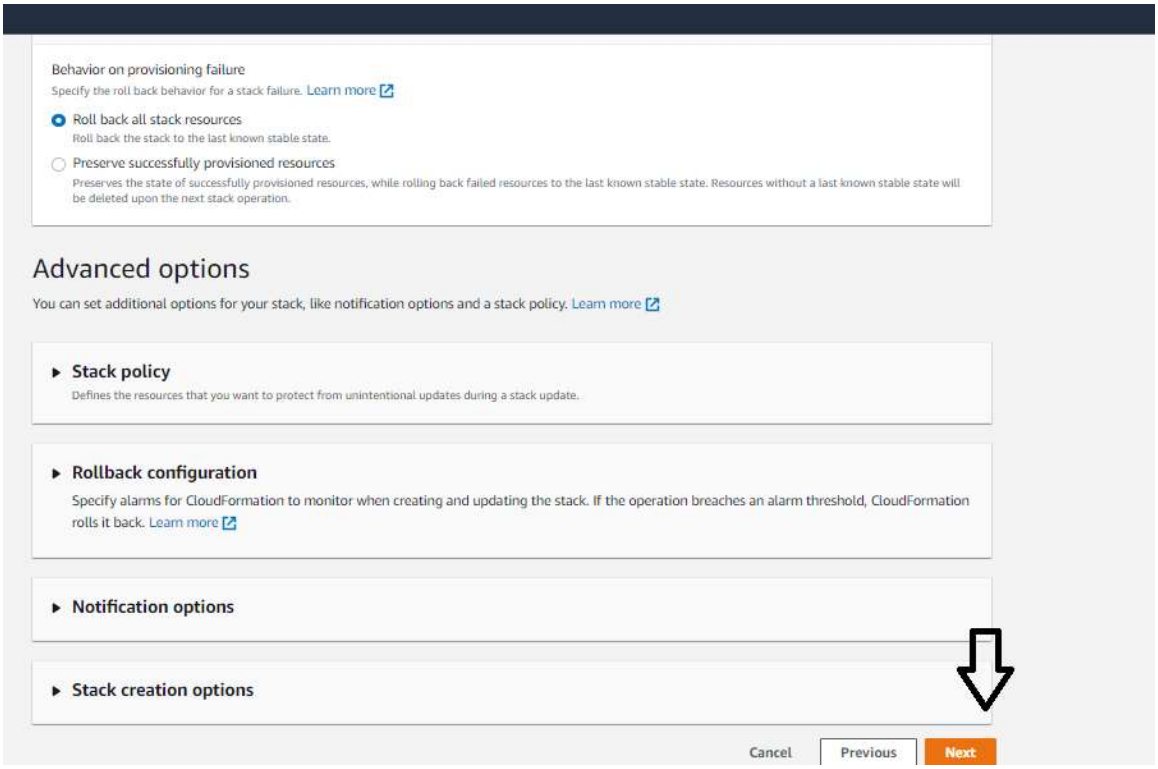
2. To accept your settings, choose Next, and proceed with specifying the stack name and parameters.

Before creating resources, CloudFormation validates your template to catch syntactic and some semantic errors, such as circular dependencies. During validation, CloudFormation first checks if the template is valid JSON. If it isn't, CloudFormation checks if the template is valid YAML. If both checks fail, CloudFormation returns a template validation error.

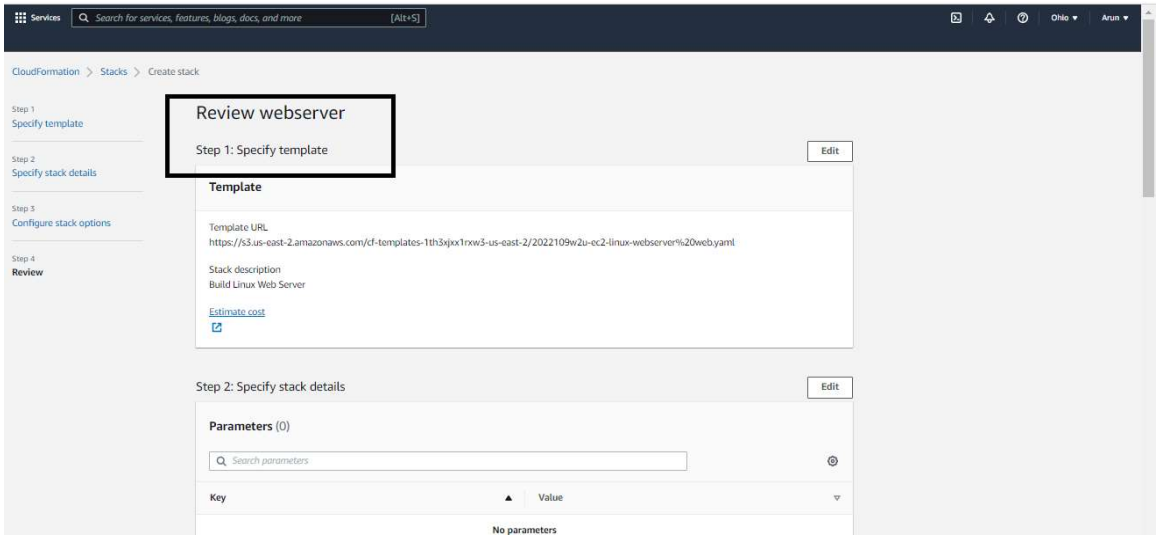


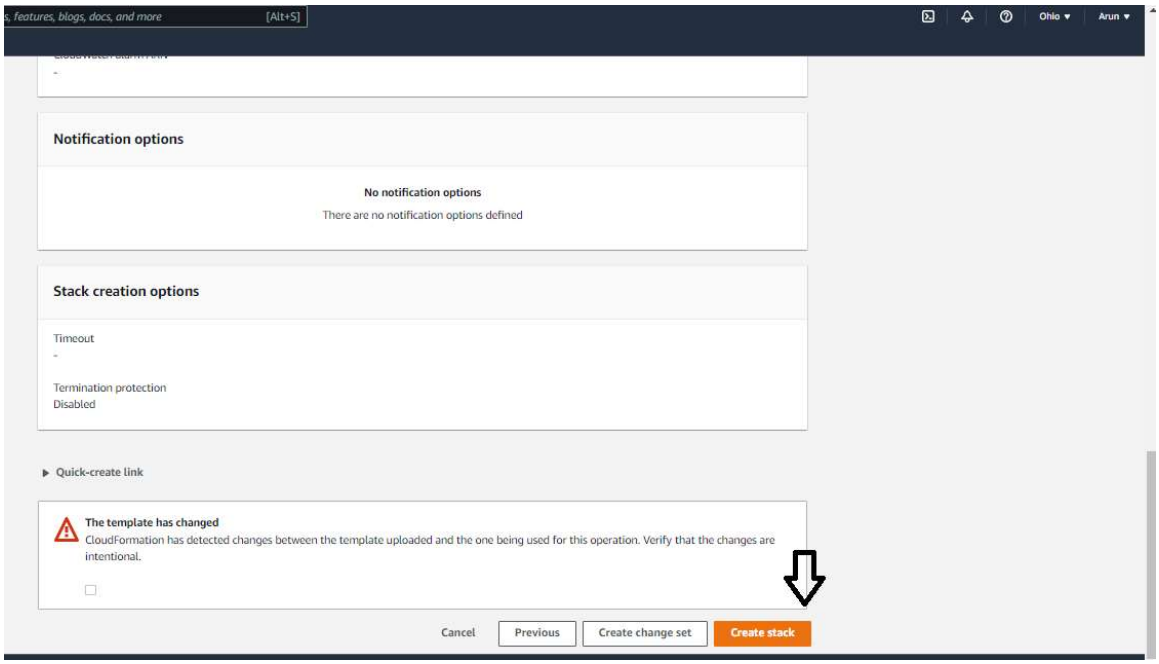
3. Enter the Tags Key-value Pair click Next



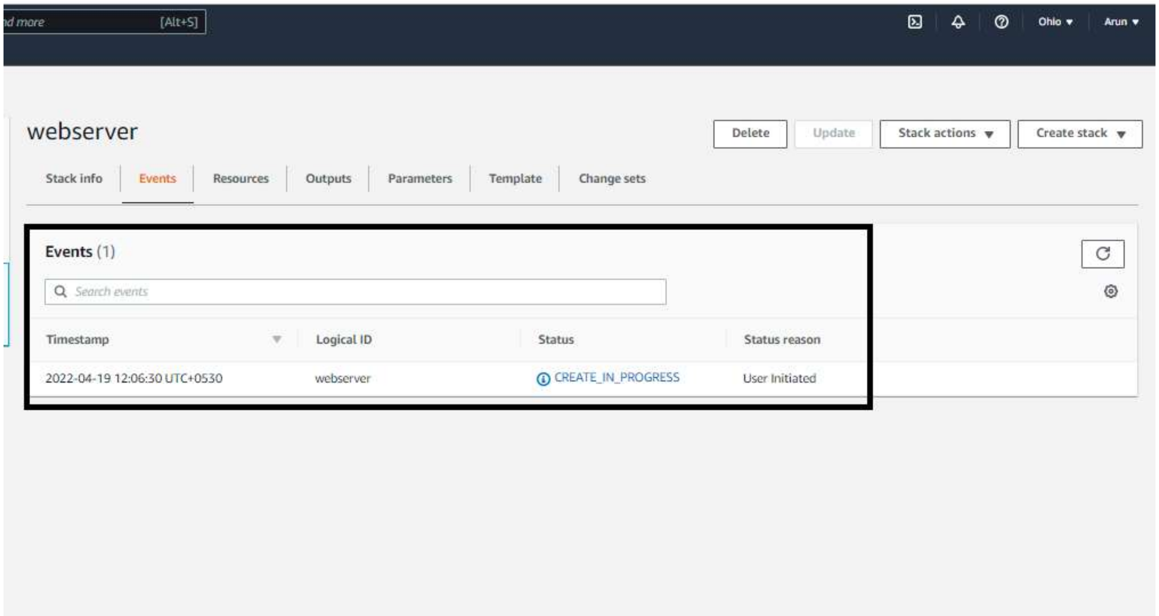


4. Review and Click Create Stack





Now Resource creation is in progress



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Creation Of EC2 Instance, Installing Apache webserver using User data

Yaml code :

```
Description:  Build Linux Web Server
Resources:
 WebserverSecurityGroup:
  Type: AWS::EC2::SecurityGroup
  Properties:
   GroupDescription: Enable Port 80
   Tags:
   - Key: Name
    Value: webserver-sg
   SecurityGroupIngress:
```

```
    - IpProtocol: tcp
      FromPort: 80
      ToPort: 80
      CidrIp: 0.0.0.0/0

    - IpProtocol: tcp
      FromPort: 22
      ToPort: 22
      CidrIp: 0.0.0.0/0

webserver:
  Type: AWS::EC2::Instance
  Properties:
    InstanceType: "t2.micro"
    ImageId: ami-0c7478fd229861c57
    SecurityGroupIds:
      - !Ref WebserverSecurityGroup
    Tags:
      - Key: Name
        Value: CF-instance
    UserData:
      Fn::Base64: !Sub |
        #!/bin/bash -xe
        yum update -y
        yum install httpd -y
```

service httpd start

chkconfig httpd on