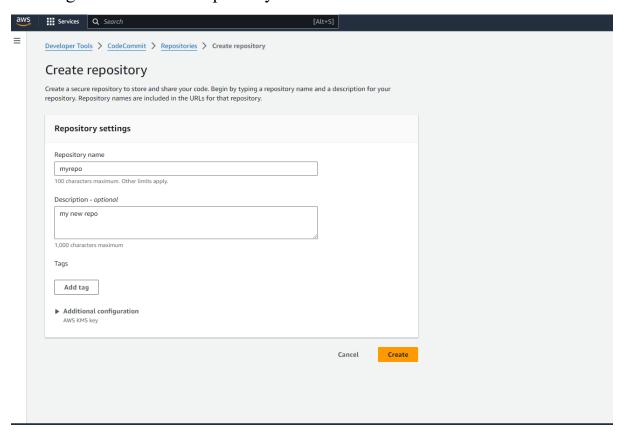
Task - 16

Deploy a simple Nginx application using AWS code commit and deploy & access via browser.

Creating a CodeCommit repository:



Cloning the repo in EC2 instance:

```
wbws | Services | Q Search | [Alt+5] |

ubuntu@ip-172-31-12-67:-$ git clone https://git-codecommit.ap-south-1.amazonaws.com/v1/repos/myrepo
Cloning into 'myrepo'...

Username for 'https://git-codecommit.ap-south-1.amazonaws.com': CyrilDoss-at-533267400284

Password for 'https://CyrilDoss-at-533267400284@git-codecommit.ap-south-1.amazonaws.com':

warning: You appear to have cloned an empty repository.

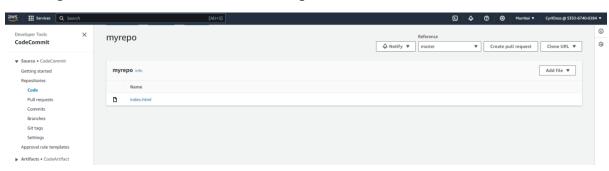
ubuntu@ip-172-31-12-67:-$ ls

myrepo
ubuntu@ip-172-31-12-67:-$ |
```

Sample Html code:

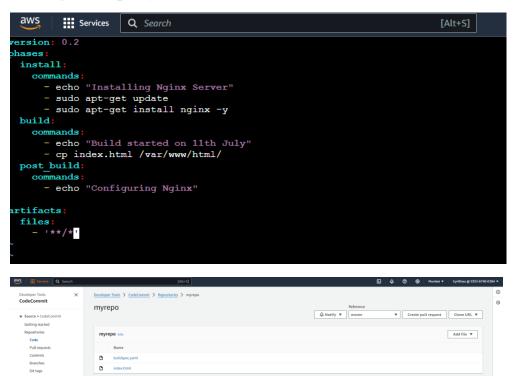
```
aws
          Services
                      Q Search
                                                                               [Alt+S]
<!DOCTYPE html>
<html>
<head>
<style>
 ody {background-color: powderblue;}
foliation: foliation (color: red;)
</style>
</head>
<body>
<h1>Demo site from myrepo</h1>
</body>
```

Pushing index.html to CodeCommit Repo:

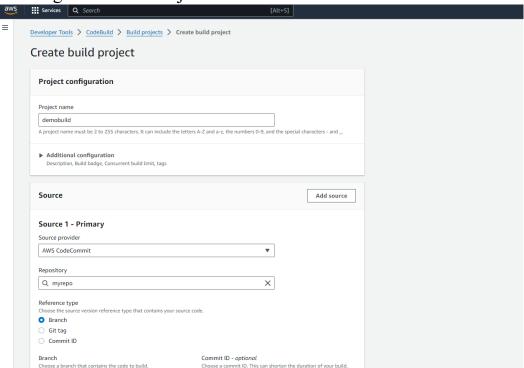


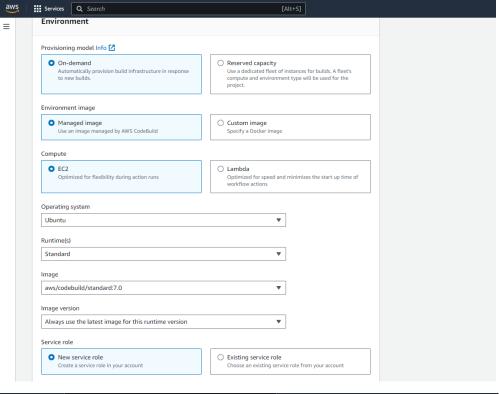
Building the application using Codebuild

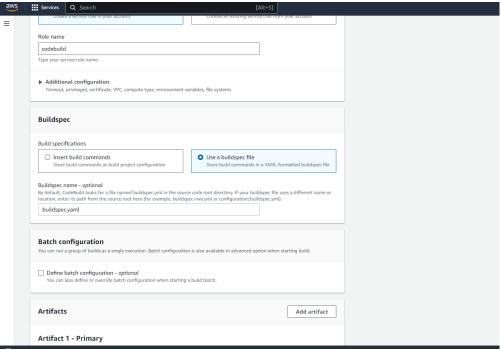
Writing buildspec.yaml file:

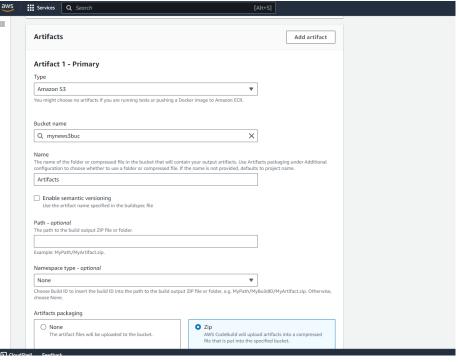


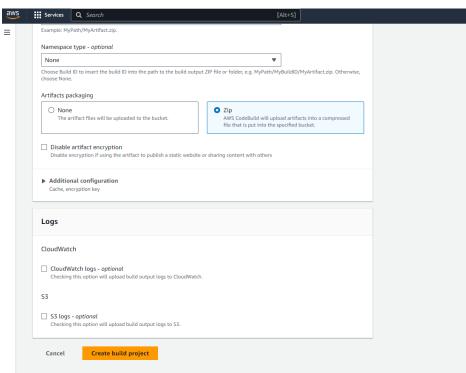
Creating CodeBuild Project:

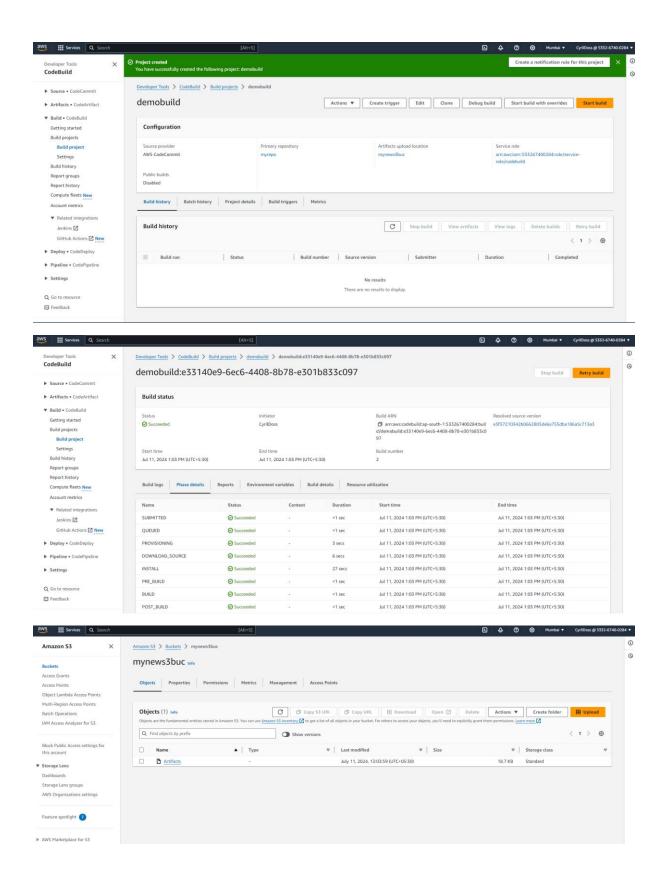




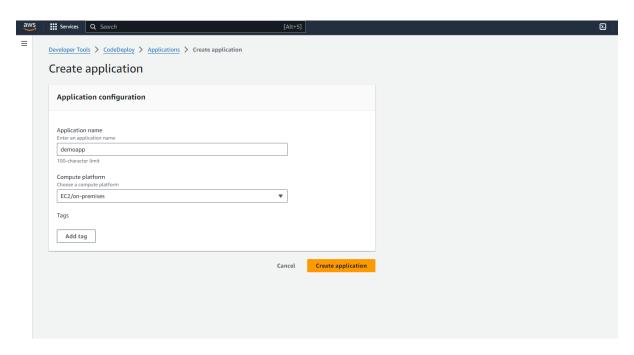




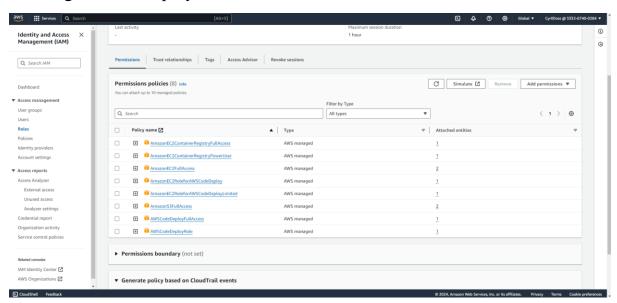




Deploying the application using CodeDeploy



Creating Role for deployment:

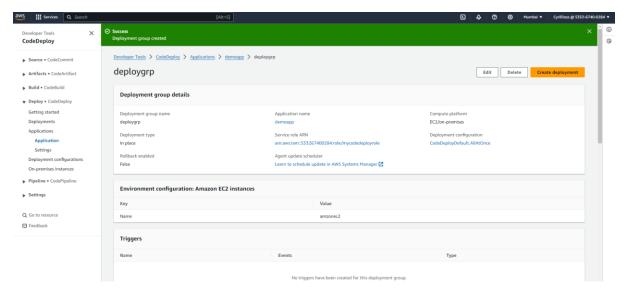


Installing deployment agent:

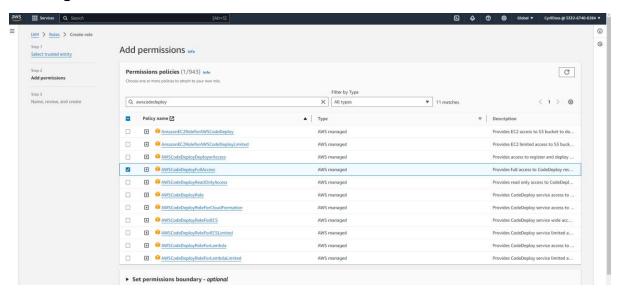
```
#!/bin/bash
# This installs the CodeDeploy agent and its prerequisites on Vbuntu 22.04.

sudo apt-get update
sudo apt-get install ruby-full ruby-webrick wget -y
cd /tmp
wget https://aws-codedeploy-ap-south-1.s3.ap-south-1.amazonaws.com/releases/codedeploy-agent_1.3.2-1902_all.deb
mkdir codedeploy-agent_1.3.2-1902_ubuntu22
dpkg-deb -B codedeploy-agent_1.3.2-1902_all.deb codedeploy-agent_1.3.2-1902_ubuntu22
sed 's/Depends:.*/Depends:ruby3.0' -i ./codedeploy-agent_1.3.2-1902_ubuntu22/DEBIAN/control
dpkg-deb -b codedeploy-agent_1.3.2-1902_ubuntu22/
sudo dpkg -i codedeploy-agent_1.3.2-1902_ubuntu22.deb
systemctl list-units --type=service | grep codedeploy
sudo service codedeploy-agent status
```

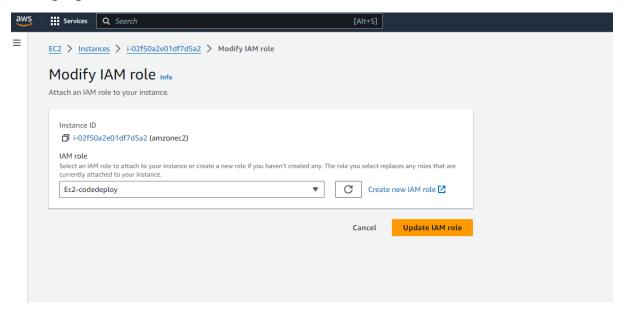
Created Deployment Group:



Cresting Role for Ec2 machine:

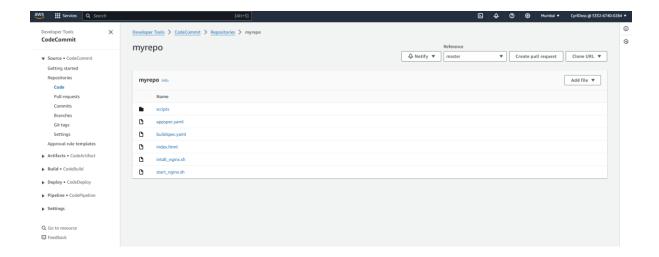


Changing Ec-2 Role:

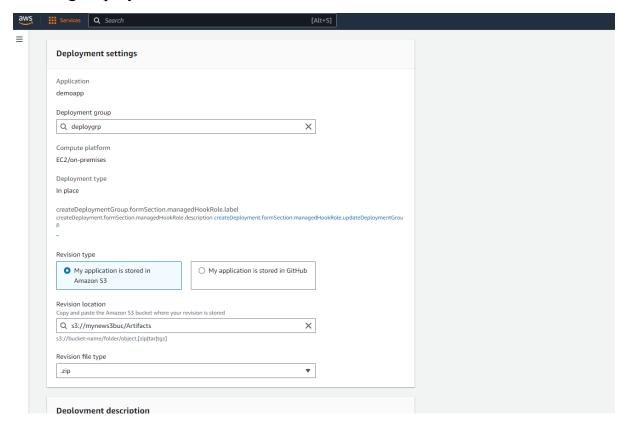


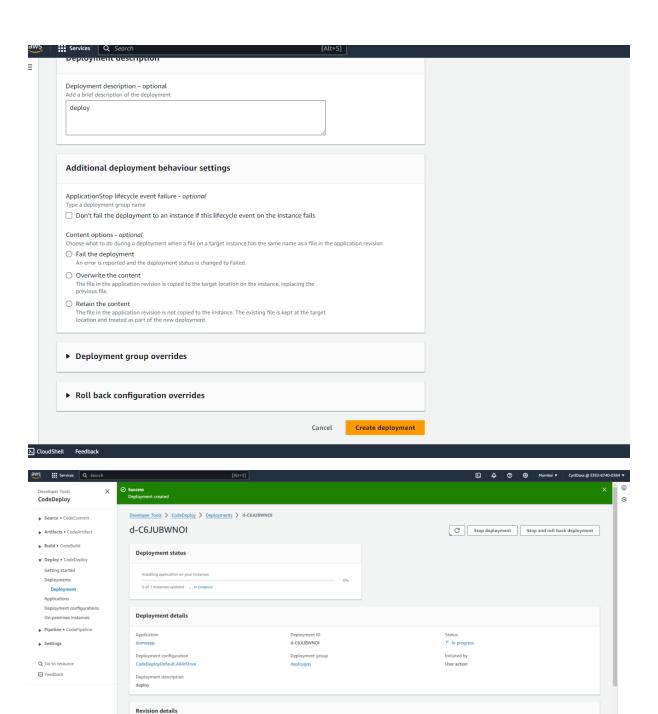
Writing appspec.yaml:

```
aws
         Services
                    Q Search
version: 0.0
os: linux
files:
  - source: /
    destination: /var/www/html
hooks:
 AfterInstall:
    - location: scripts/install nginx.sh
      timeout: 300
      runas: root
 ApplicationStart:
    - location: scripts/start nginx.sh
      timeout: 300
      runas: root
```

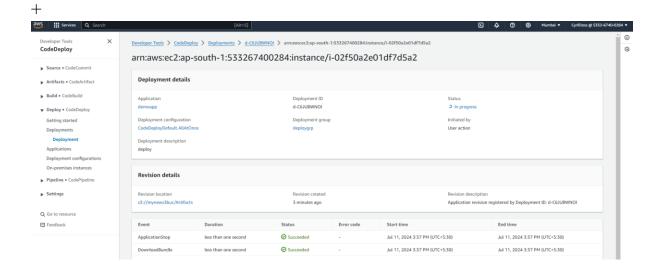


Creating Deployment:





Revision created Just now



Deployed Application

