

Assignment for Cloud Engineer

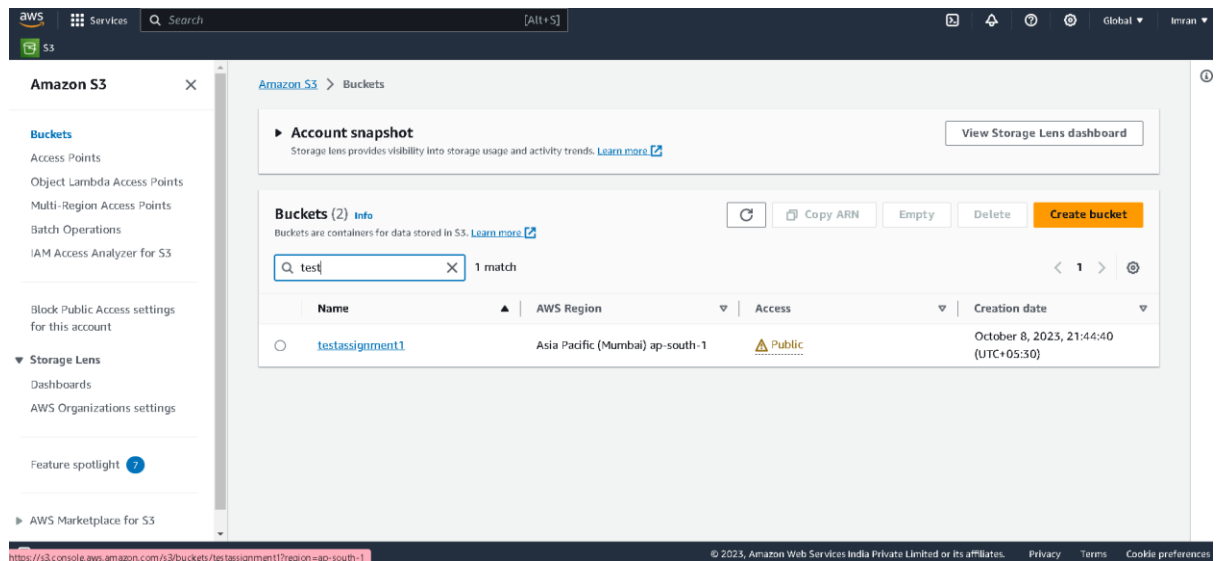
1. Find a publicly available sample static website on the internet. You can use any stack (eg. HTML, CSS, and JavaScript). Deploy it on an AWS S3 bucket using Bitbucket CI/CD pipeline.
2. Create a README file in GIT repository detailing the steps you took to complete this task with screen shots, include relevant configurations, code snippets, and Bitbucket Pipeline configuration hiding account sensitive data.
3. Mention the S3 bucket URL where the hosted website can be accessed.

Note – You can submit whatever progress you have made at the end of 3 days from the date of receiving this assignment. Completing this assignment increases your chances of getting hired.

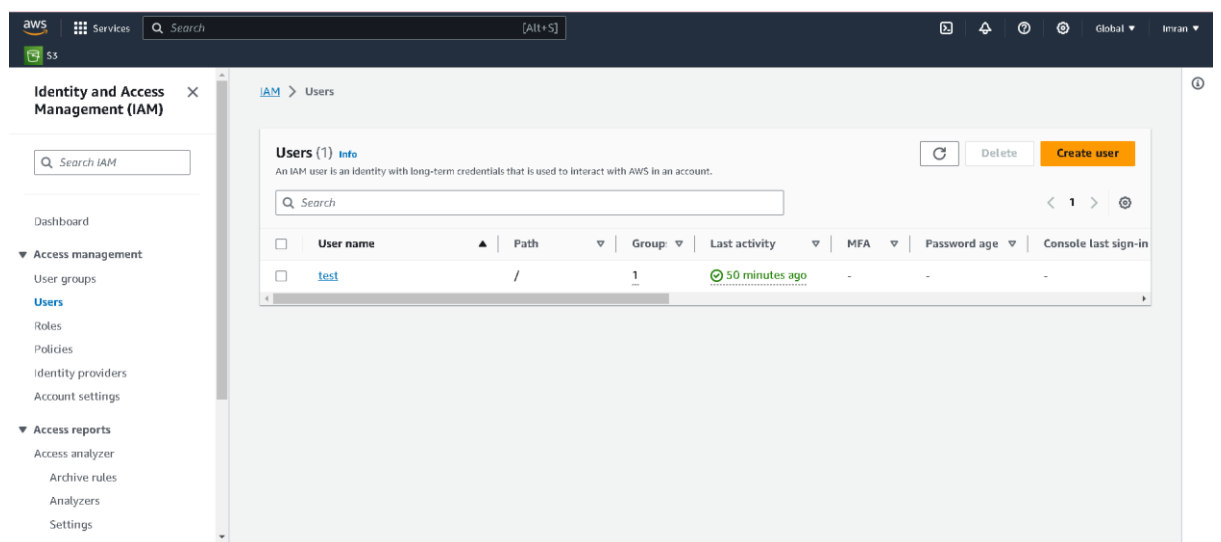
Assignment 3

Final output S3 URL: <http://testassignment1.s3-website.ap-south-1.amazonaws.com/>

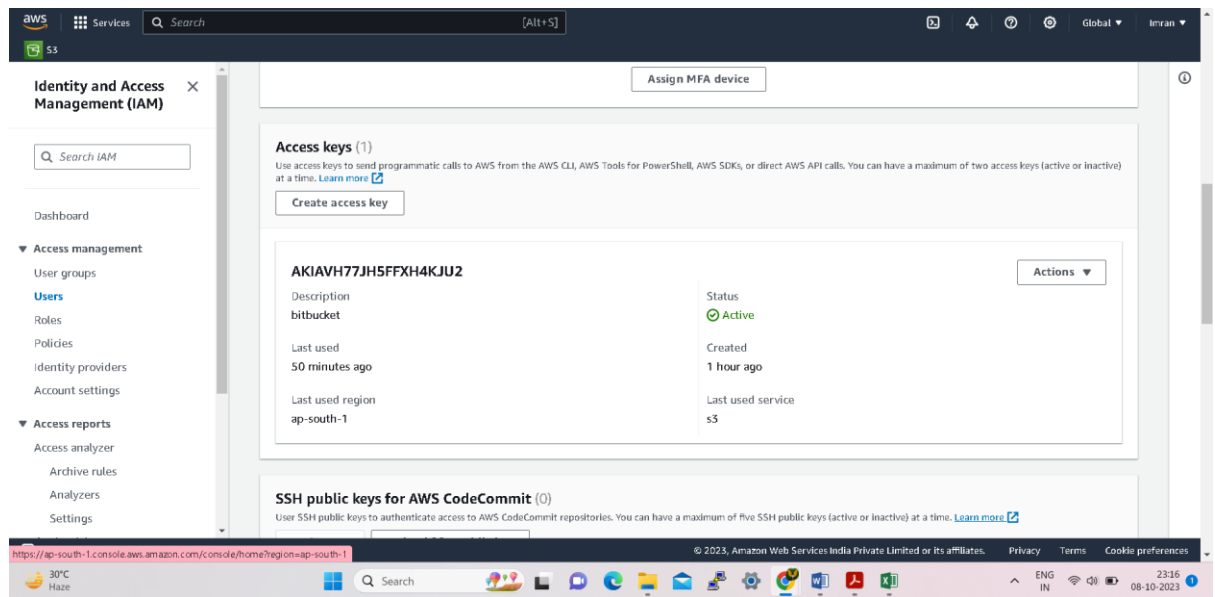
1. Create an Amazon S3 Bucket



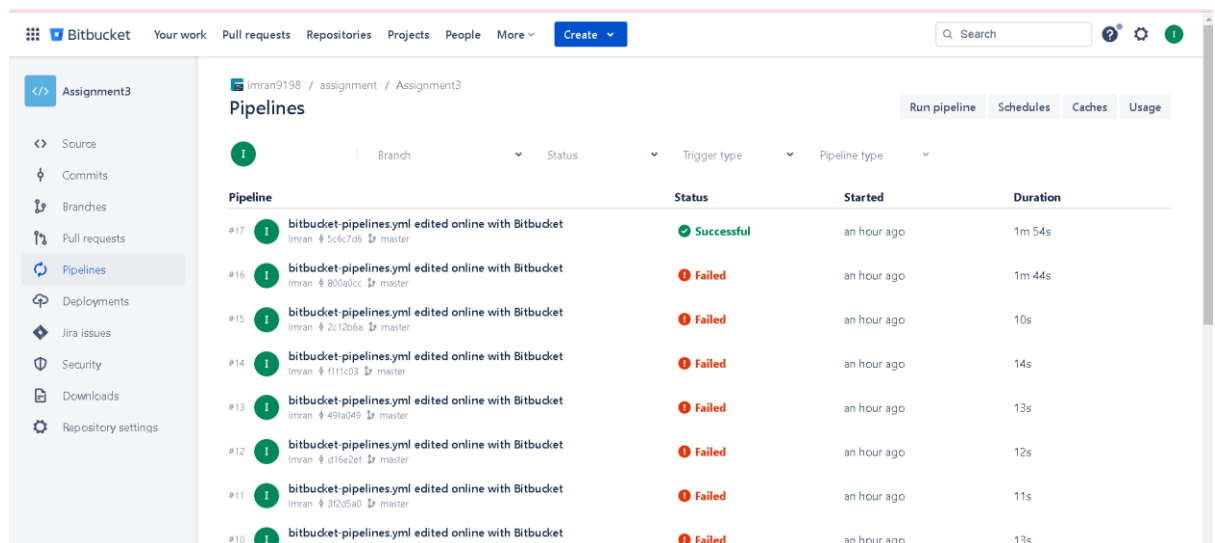
2. Create and IAM User Group & Add a User



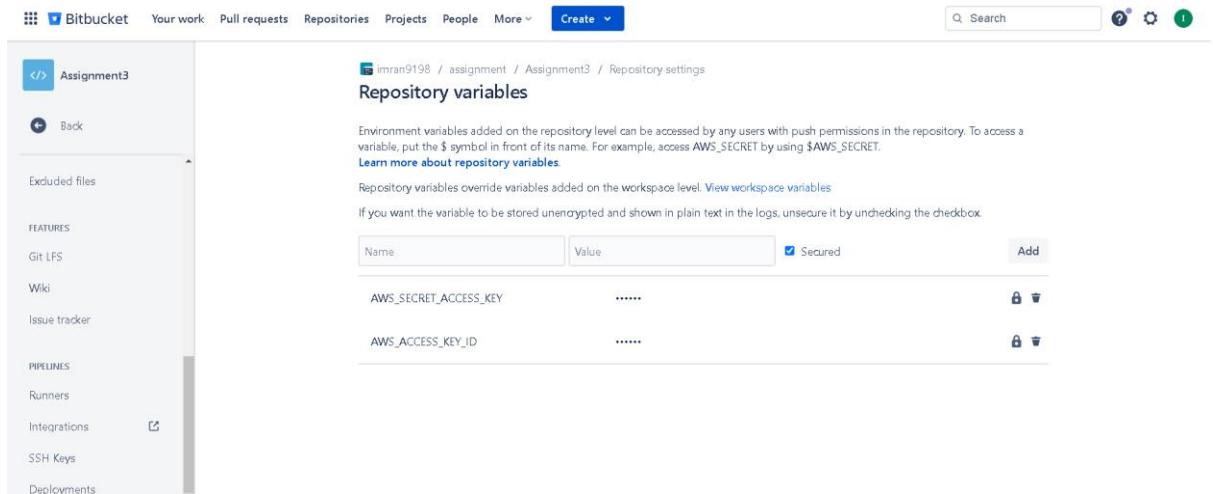
3. Generate Access Keys



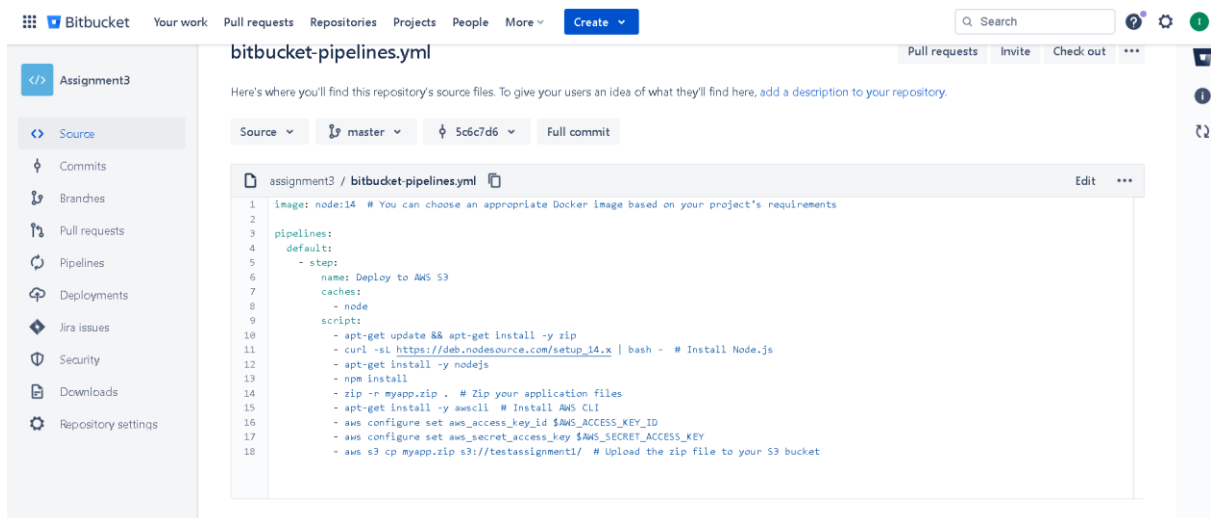
4. Enable BitBucket Pipelines



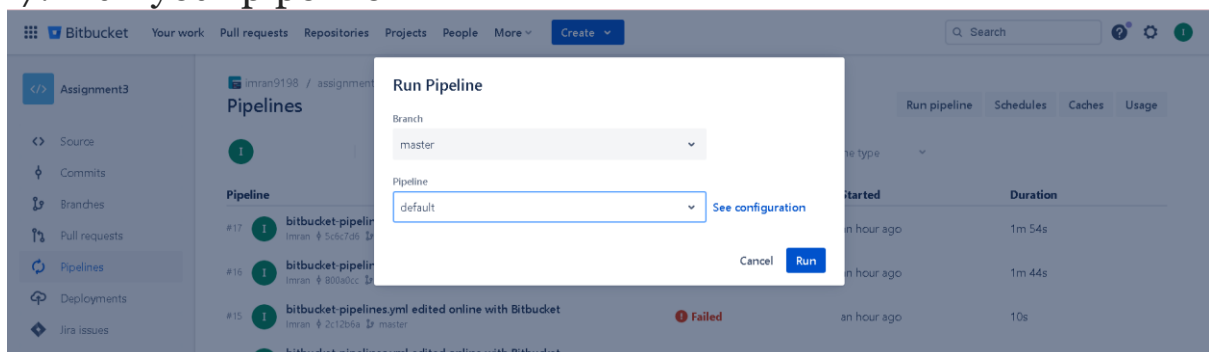
5. Add Environment Variables.



6. Configure bitbucket-pipelines.yml



7. Run your pipeline



Bitbucket Your work Pull requests Repositories Projects People More Create Search ? ⚙️ 1

Assignment3

Source Commits Branches Pull requests **Pipelines** Deployments Jira issues Security Downloads Repository settings

imran9198 / ... / Pipelines

#18 Stop

5c6c7d6 bitbucket-pipelines.yml edited online with Bitbucket

master

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0 sec a few seconds ago

Pipeline

Deploy to AWS S3 Running

Build

Build setup 4s

```
apt-get update && apt-get install -y zip
```

4s

```
curl -sL https://deb.nodesource.com/setup_14.x | bash -
```

<1s

Bitbucket Your work Pull requests Repositories Projects People More Create Search ? ⚙️ 1

Assignment3

Source Commits Branches Pull requests **Pipelines** Deployments Jira issues Security Downloads Repository settings

imran9198 / ... / Pipelines

#18 Rerun

5c6c7d6 bitbucket-pipelines.yml edited online with Bitbucket

master

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1min 53 sec a few seconds ago

Pipeline

Deploy to AWS S3 1m 53s

Build

Build setup 4s

```
apt-get update && apt-get install -y zip
```

4s

```
curl -sL https://deb.nodesource.com/setup_14.x | bash -
```

1m 24s

```
apt-get install -y nodejs
```

4s

```
npm install
```

1s

```
zip -r myapp.zip .
```

<1s

```
apt-get install -y awscli
```

11s

```
aws configure set aws_access_key_id $AWS_ACCESS_KEY_ID
```

<1s

```
aws configure set aws_secret_access_key $AWS_SECRET_ACCESS_KEY
```

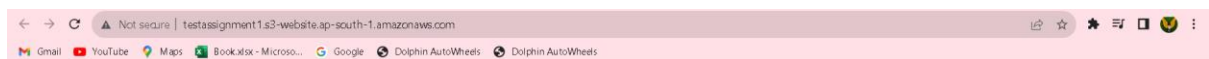
<1s

```
aws s3 cp myapp.zip s3://testassignment1/
```

2s

Build teardown <1s

Final Output



Hello world! This is a static website hosted by Amazon S3 and managed by AWS CodePipeline.



S3 URL: <http://testassignment1.s3-website.ap-south-1.amazonaws.com/>