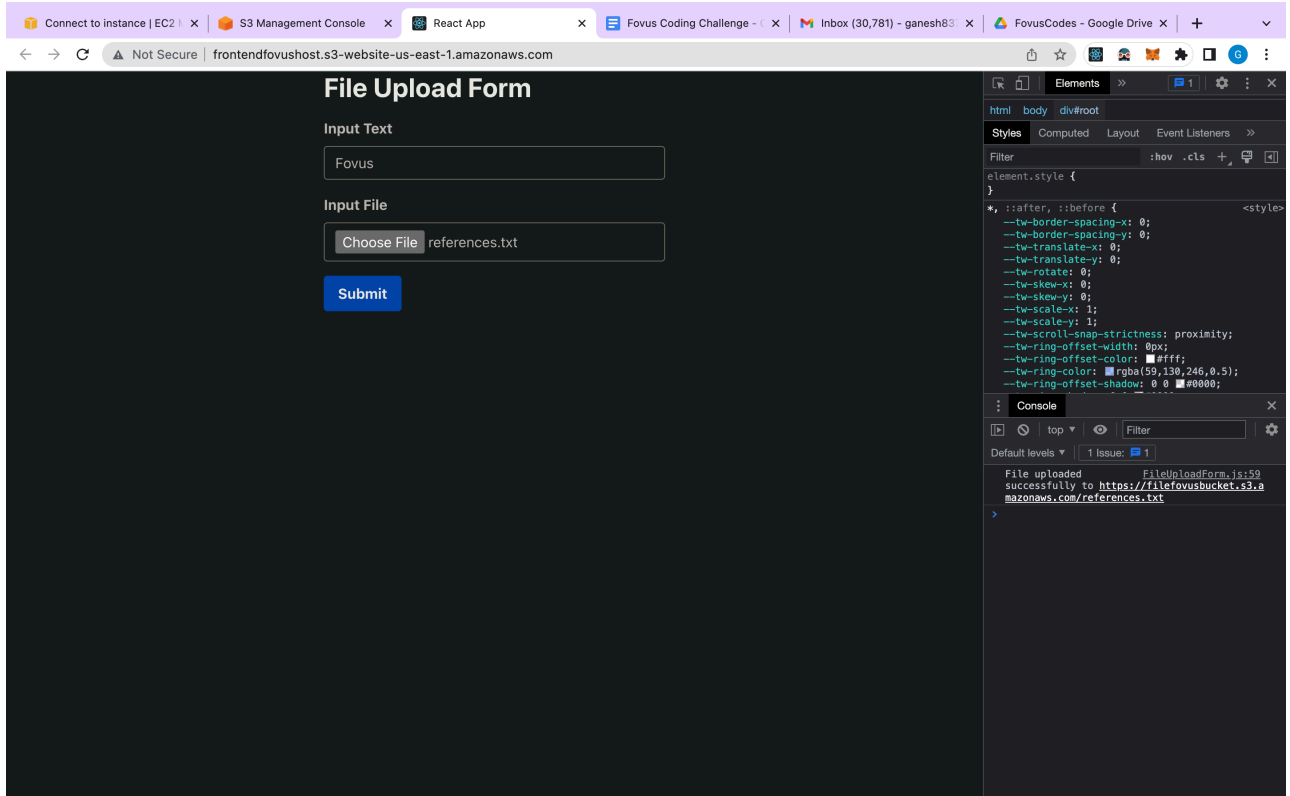


Demo

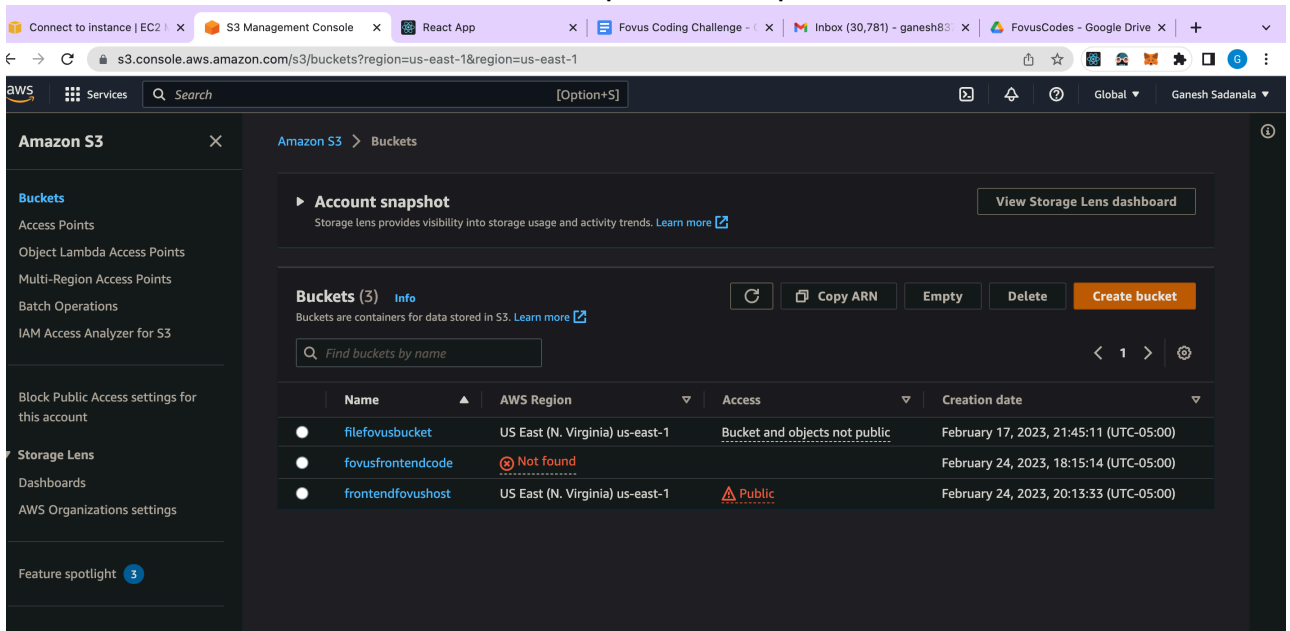
Friday, February 24, 2023

11:28 PM

1. Navigate to <http://frontendfovushost.s3-website-us-east-1.amazonaws.com/> and give in



3. Got to AWS S3 console to see if the inputFile is uploaded

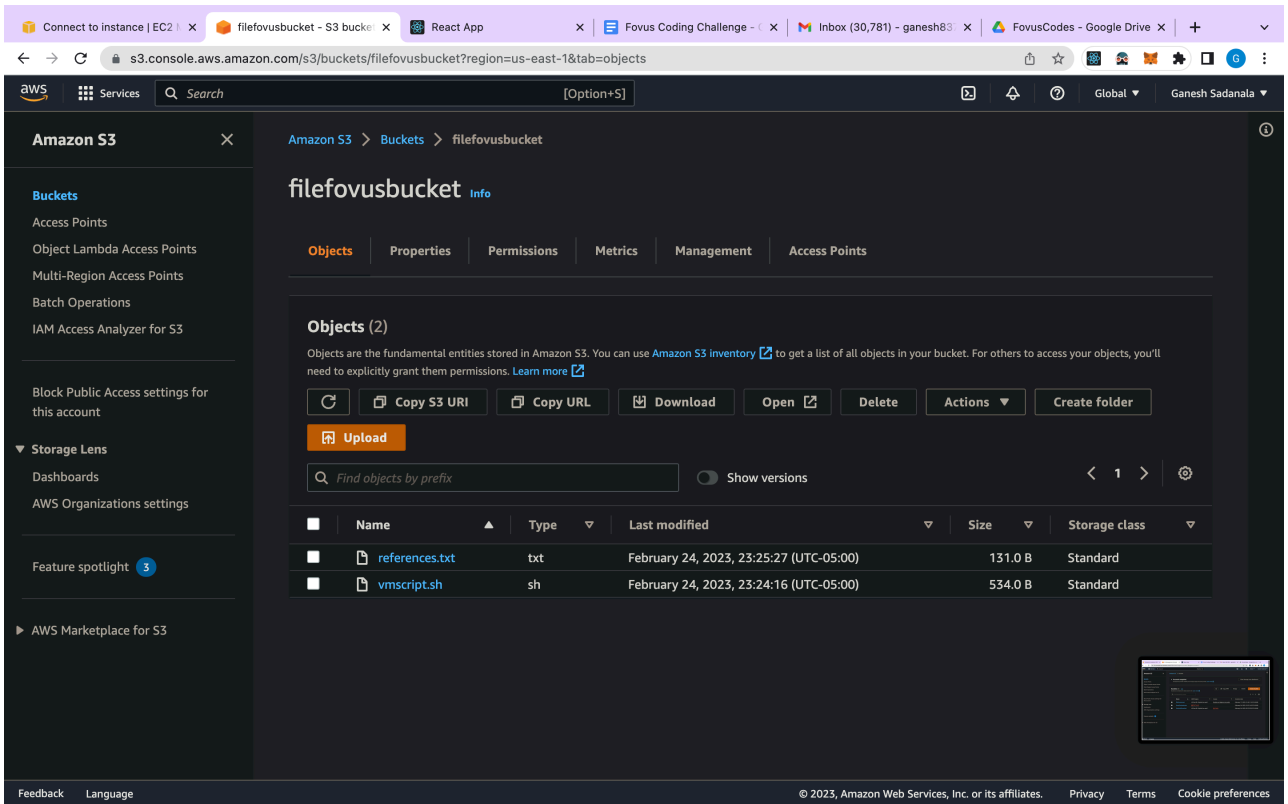


- 4.

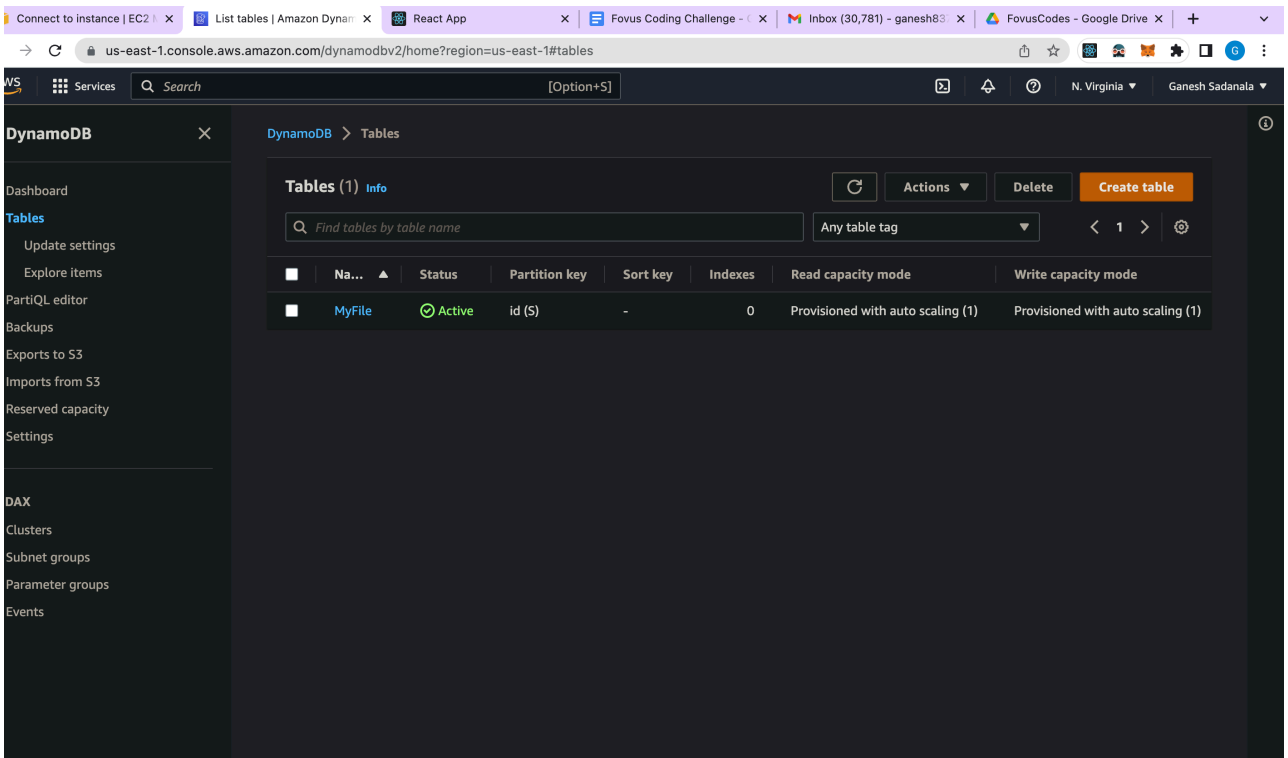
putText and inputFile.txt



5.



6. Go to DynamoDB console to see if the inputs and S3 inputfilepath is inserted



7.

8.

The screenshot shows the AWS DynamoDB console interface. On the left, there's a navigation menu with options like Dashboard, Tables, Update settings, Explore items, PartiQL editor, Backups, Exports to S3, Imports from S3, Reserved capacity, and Settings. The main area displays the 'MyFile' table. Under the 'Scan or query items' section, the 'Scan' button is selected. Below it, there's a message: 'Completed. Read capacity units consumed: 0.5'. The 'Items returned (1)' section shows a table with one item. The item has three attributes: 'id' (value: hyiKYsZMoa...), 'input_file_path' (value: filefovusbucket/ref...), and 'input_text' (value: Fovus).

9. Go to EC2 console to see if VM is created and running

The screenshot shows the AWS EC2 console interface. On the left, there's a navigation menu with options like EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Scheduled Instances, Capacity Reservations, Images, AMIs, AMI Catalog, Elastic Block Store, Volumes, and Snapshots. The main area displays a list of instances. The 'Instance state' filter is set to 'running'. The list shows one instance with ID 'i-06ff60cbb89eed562', state 'Running', and type 't2.micro'. The 'Instance state' column shows 'Running' with a green checkmark. The 'Status check' column shows 'Initializing' with a clock icon. The 'Alarm status' column shows 'No alarms'. The 'Availability Zone' column shows 'us-east-1e'. The 'Public IP' column shows 'ec2-...

10.

11. Click on connect

The screenshot shows the AWS EC2 console interface. On the left, there's a navigation menu with options like EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Scheduled Instances, Capacity Reservations, Images, AMIs, AMI Catalog, Elastic Block Store, Volumes, and Snapshots. The main area displays the 'Instance details' page for the instance 'i-06ff60cbb89eed562'. The 'Connect' button is visible in the top right corner.

12.

EC2 > Instances > i-0a4625fa7fef18086

Instance summary for i-0a4625fa7fef18086

Updated less than a minute ago

Instance ID i-0a4625fa7fef18086	Public IPv4 address 35.174.211.211 open address	Private IPv4 addresses 172.31.60.87
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-35-174-211-211.compute-1.amazonaws.com open address
Hostname type IP name: ip-172-31-60-87.ec2.internal	Private IP DNS name (IPv4 only) ip-172-31-60-87.ec2.internal	Elastic IP addresses -
Answer private resource DNS name -	Instance type t2.micro	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more
Auto-assigned IP address 35.174.211.211 [Public IP]	VPC ID vpc-081fc8bea3cda841	Auto Scaling Group name -
IAM Role fileec2	Subnet ID subnet-0cd347caf2338b863	

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

Instance details

Platform Amazon Linux (Inferred)	AMI ID ami-0dfcb1ef8550277af	Monitoring disabled
Platform details Linux/UNIX	AMI name amzn2-ami-kernel-5.10-hvm-2.0.20230207.0-	Termination protection Disabled

13. Click connect to connect to VM machine.

14.

EC2 > Instances > i-06ff60cbb89eed562 > Connect to instance

Connect to instance

Connect to your instance i-06ff60cbb89eed562 using any of these options

EC2 Instance Connect | Session Manager | SSH client | EC2 serial console

Instance ID
i-06ff60cbb89eed562

Public IP address
18.207.233.93

User name
Enter the user name defined in the AMI used to launch the instance. If you didn't define a custom user name, use the default user name, ec2-user.
ec2-user

Note: In most cases, the default user name, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.

Cancel | **Connect**

15. Output execution log

Connect to instance | Connect to instance | EC2 Instance Connect | React App | Fovus Coding Challenge | Inbox (30,781) - ganesh | FovusCodes - Google | +

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-06ff60cbb89eed562&osUser=...

aws | Services | Search | [Option+S]

Amazon Linux 2 AMI

```
cat /etc/passwd
ec2-user:x:1000:1000::/home/ec2-user:/bin/bash
```



```
https://aws.amazon.com/amazon-linux-2/
to packages needed for security; 5 packages available
run "sudo yum update" to apply all updates.
ec2-user@ip-172-31-63-219 ~]$ sudo cat /var/log/cloud-init-output.log
```

i-06ff60cbb89eed562

PublicIPs: 54.90.39.95 PrivateIPs: 172.31.63.219

```
aws Services Search [Option+S]
Transaction Summary
=====
Upgrade 1 Package

Total download size: 369 k
Downloading packages:
Delta RPMs disabled because /usr/bin/applydeltarpm not installed.
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Updating : ca-certificates-2021.2.50-72.amzn2.0.5.noarch 1/2
  Cleanup  : ca-certificates-2021.2.50-72.amzn2.0.4.noarch 2/2
  Verifying : ca-certificates-2021.2.50-72.amzn2.0.5.noarch 1/2
  Verifying : ca-certificates-2021.2.50-72.amzn2.0.4.noarch 2/2

Updated:
  ca-certificates.noarch 0:2021.2.50-72.amzn2.0.5

Complete!
Cloud-init v. 19.3-46.amzn2 running 'modules:final' at Sat, 25 Feb 2023 04:26:13 +0000. Up 24.00 seconds.
download: s3://filefovusbucket/vmscript.sh to ./vmscript.sh
download: s3://filefovusbucket/references.txt to tmp/input.txt
upload: tmp/output.txt to s3://filefovusbucket/hyIKYsZMoaAamn2GgmRWJ_output.txt
Cloud-init v. 19.3-46.amzn2 running 'init-local' at Sat, 25 Feb 2023 04:37:18 +0000. Up 6.67 seconds.
Cloud-init v. 19.3-46.amzn2 running 'init' at Sat, 25 Feb 2023 04:37:19 +0000. Up 7.82 seconds.
ci-info: ++++++Net device info+++++
ci-info: +-----+
ci-info: | Device | Up | Address | Mask | Scope | Hw-Address |
ci-info: +-----+
ci-info: | eth0 | True | 172.31.63.219 | 255.255.240.0 | global | 06:fa:59:8e:96:e9 |
ci-info: | eth0 | True | fe80::4fa:59ff:fe8e:96e9/64 | . | link | 06:fa:59:8e:96:e9 |
ci-info: | lo | True | 127.0.0.1 | 255.0.0.0 | host | . |

i-06ff60cbb89eed562
PublicIPs: 54.90.39.95 PrivateIPs: 172.31.63.219

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```

Go to S3 console to see if the OutputFile is created by VM by running vmscript.sh

Connect to instance | EC2 | X filefovusbucket - S3 bucket | X React App | X Focus Coding Challenge - | X Inbox (30,781) - ganesh83 | X FocusCodes - Google Drive | X +

s3.console.aws.amazon.com/s3/buckets/filefovusbucket?region=us-east-1&tab=objects

Amazon S3

filefovusbucket Info

Objects Properties Permissions Metrics Management Access Points

Objects (3)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 Inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Copy S3 URI Copy URL Download Open Delete Actions Create folder

Upload

Storage Lens

Dashboards

AWS Organizations settings

Feature spotlight 3

AWS Marketplace for S3

Find objects by prefix

Show versions

Name	Type	Last modified	Size	Storage class
hyiKysZMoaAamn2GgmRWJ_output.txt	txt	February 24, 2023, 23:26:18 (UTC-05:00)	140.0 B	Standard
references.txt	txt	February 24, 2023, 23:25:27 (UTC-05:00)	131.0 B	Standard
vmscript.sh	sh	February 24, 2023, 23:24:16 (UTC-05:00)	534.0 B	Standard

Feedback Language

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20. Go to DynamoDB to see if output_file_path column is added to existing row.

es

Update settings

explore items

SQL editor

Groups

Exports to S3

Imports from S3

Reserved capacity

Settings

Users

Network groups

Parameter groups

Instances

Find tables by table name

MyFile

Scan or query items

Scan Query

Select table or index

Table - MyFile

Select attribute projection

All attributes

Filters

Run Reset

Completed. Read capacity units consumed: 0.5

Items returned (1)

id input_file_path input_text output_file_path

hyiKysZMoa... filefovusbucket/ref... Focus filefovusbucket/hyiKysZMoa...

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21.

