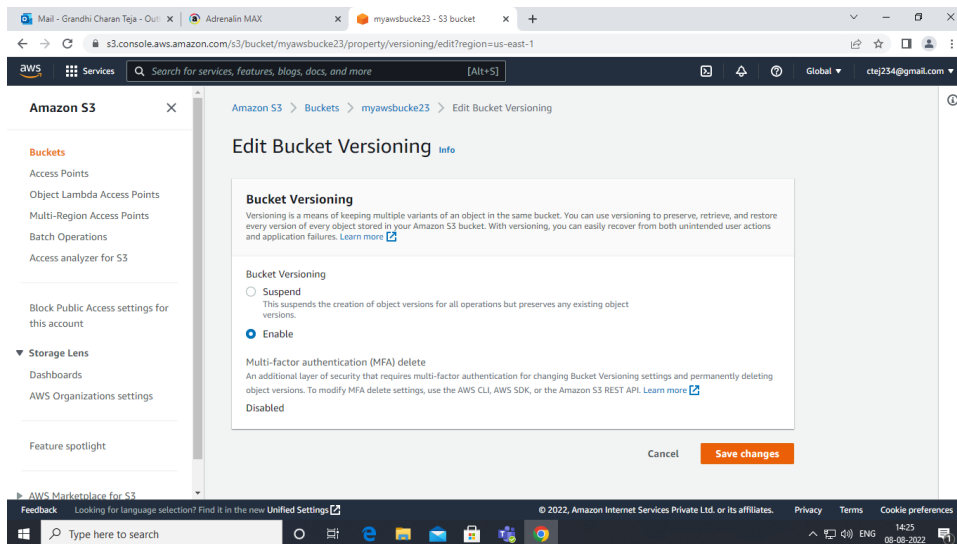
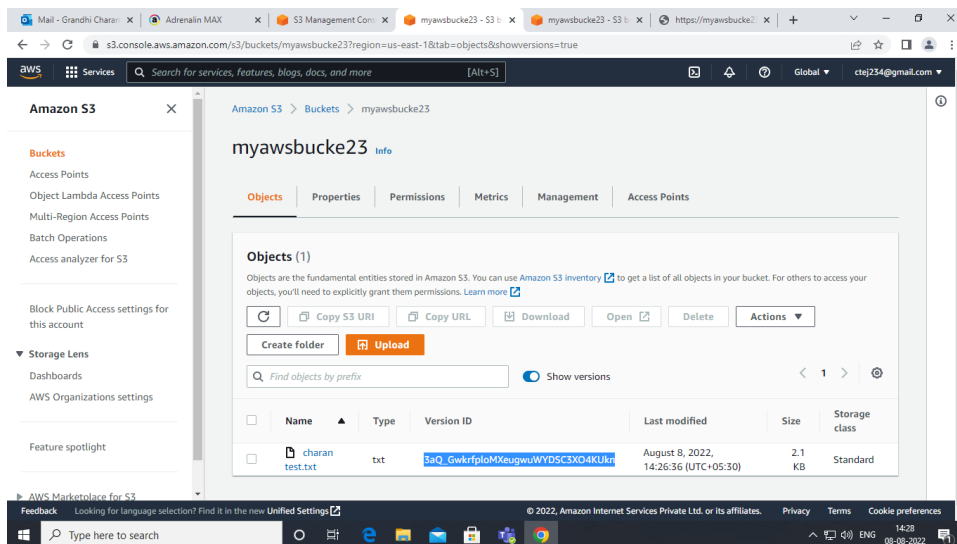


Creating s3 bucket and enable option Bucket Versioning

1. Create s3 bucket
2. Go to properties and edit bucket versioning
3. select enable bucket versioning
4. after the s3 bucket created and the file is uploaded in the file due to enable of versioning it will show the version id of uploaded file



When we enable this versioning option we can see the version id of the file



USAGE OF IAM TO S3

s3 is a global service

When we create s3 and when we create instance in any region and after creation of linux machine

1. Sudo su – to change to root user

2. AWS s3 ls

It will show the AWS s3 buckets present in it in the machine

The communication between machine and s3 start **only IAM is assigned to ec2 instance**

The image displays two screenshots from a web browser. The top screenshot shows the AWS Management Console for the 'us-east-2' region (Ohio). The 'Resources' section lists various Amazon EC2 resources, including Instances (running), Elastic IPs, Key pairs, Placement groups, Snapshots, Dedicated Hosts, Instances, Load balancers, Security groups, and Volumes. The 'Launch instance' section is visible, along with a 'Service health' section showing the AWS Health Dashboard. The bottom screenshot shows a terminal window connected to an EC2 instance. The terminal displays the output of the 'aws s3 ls' command, which lists various AWS services and their IAM roles, including 's3', 's3o', 's3o-oidc', 'storagegateway', 'support', 'synthetics', 'transcribe', 'translate', 'waf', 'waf-regional', 'workdocs', 'workmail', 'workspaces', 'xray', 's3api', 'configure', 'configservice', 'runtime.sagemaker', and 'help'. The terminal also shows the output of the 'sudo su' command, indicating that the user is now root. The terminal output for 'aws s3 ls' is as follows:

```
i-Off4ef1ce39e04e6a (WithIAM)
PublicIPs: 3.145.60.9 PrivateIPs: 172.31.1.157
```

WITHOUT IAM ASSIGN TO EC2

The communication doesn't between machine and s3 due to **IAM role not assigned** to ec2 instance

