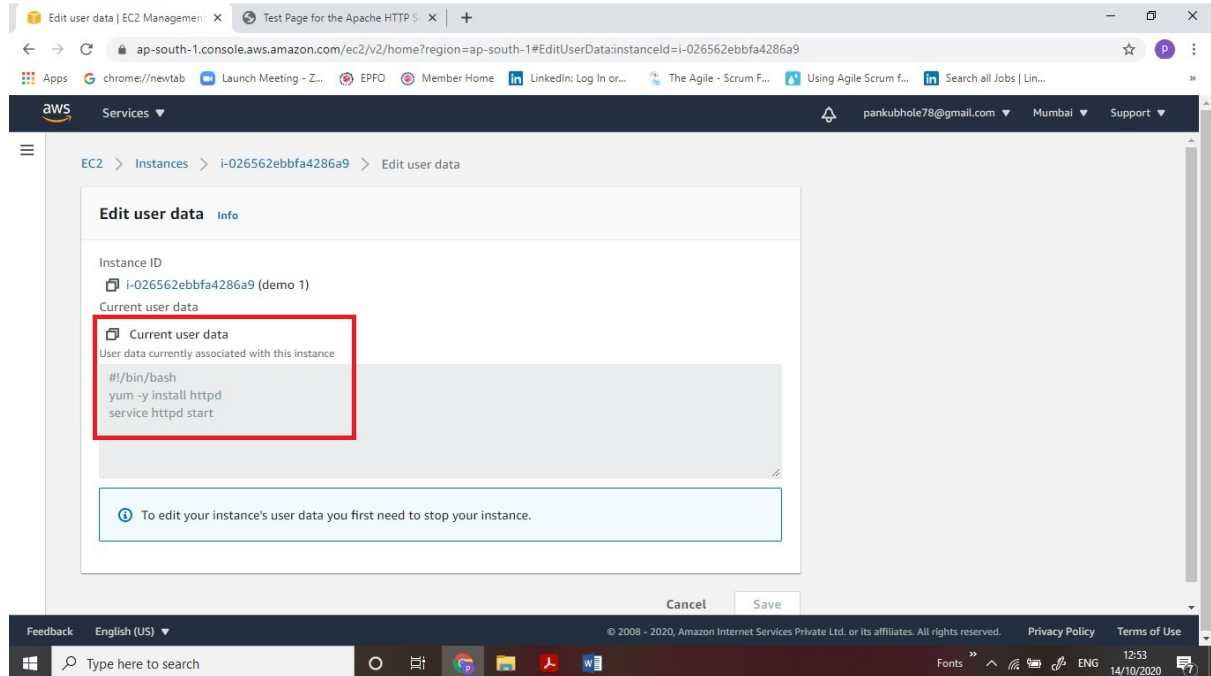


PROJECT 1:

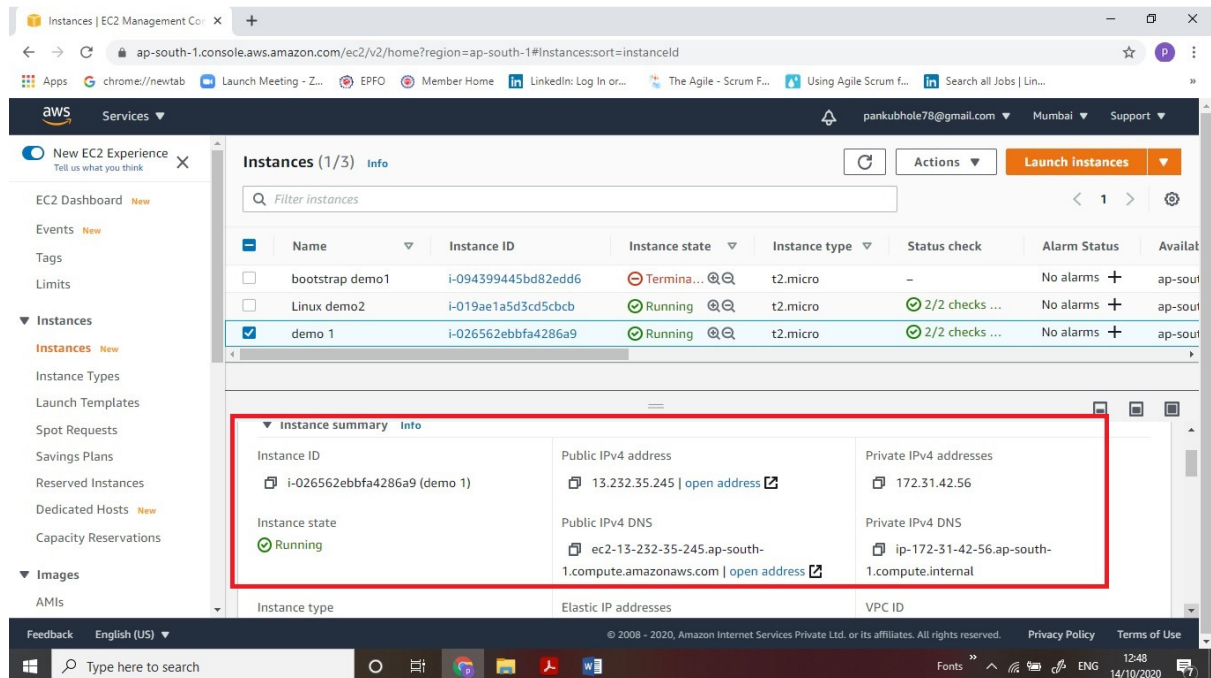
Working with IAM Roles with S3 and bootstrapping with EC2

Task1: Creating a bootstrapped instance

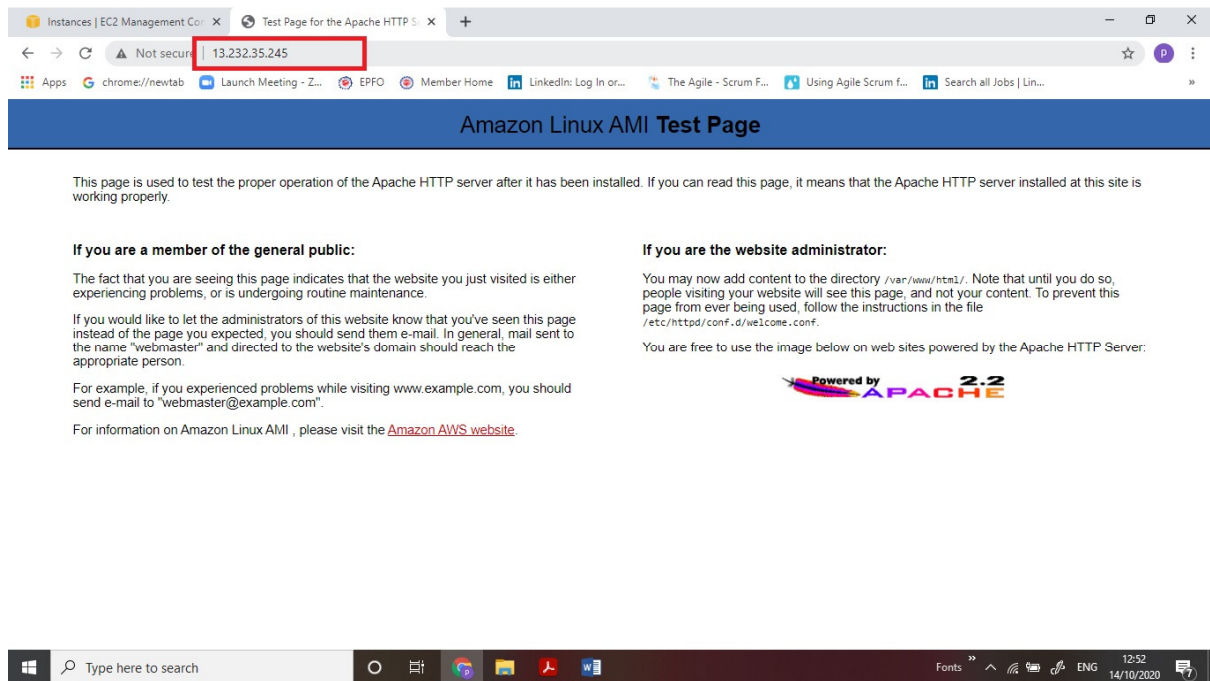
SS1: Edit user data



SS2: List of ec2 instances with description

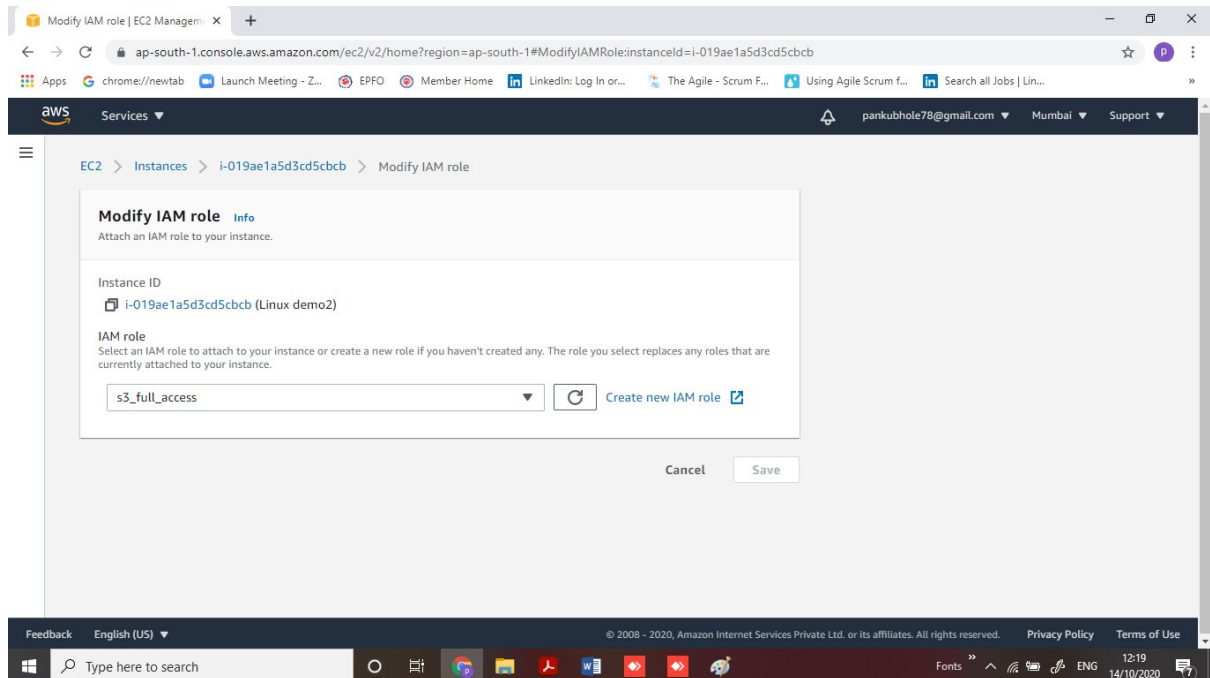


Ss3: Test page

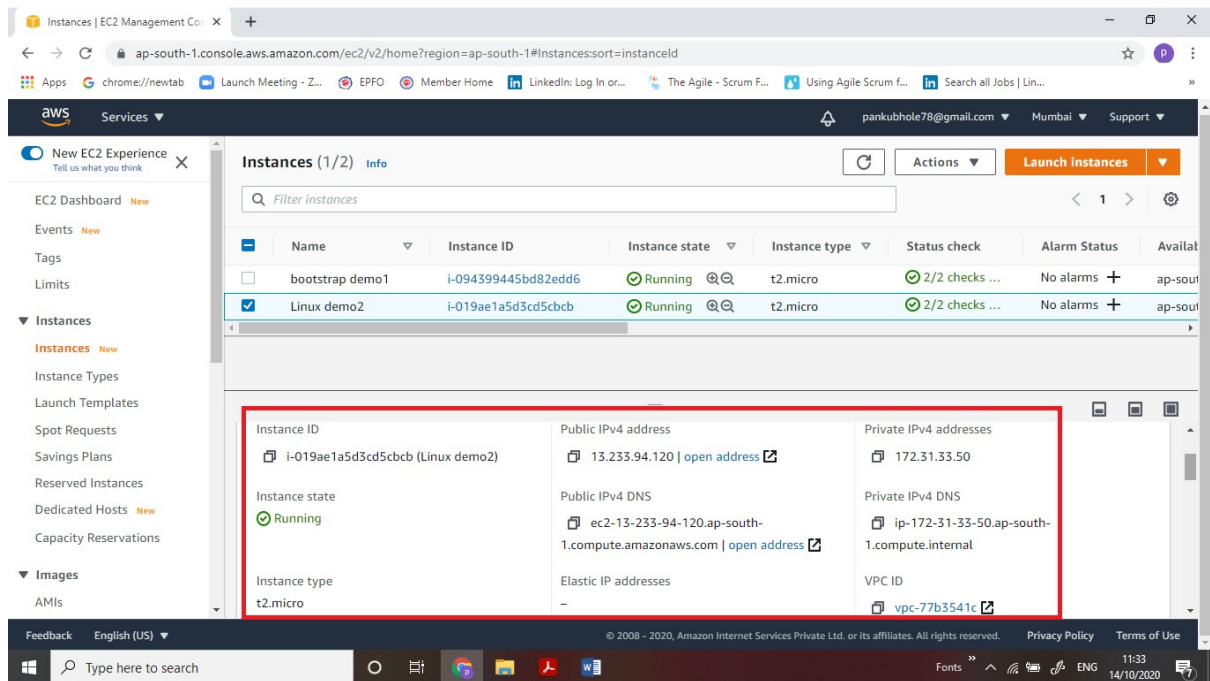


Task 2: Checking bucket list and creating a new bucket from EC2 using IAM Roles

Ss1: User data (Modify IAM Roles)

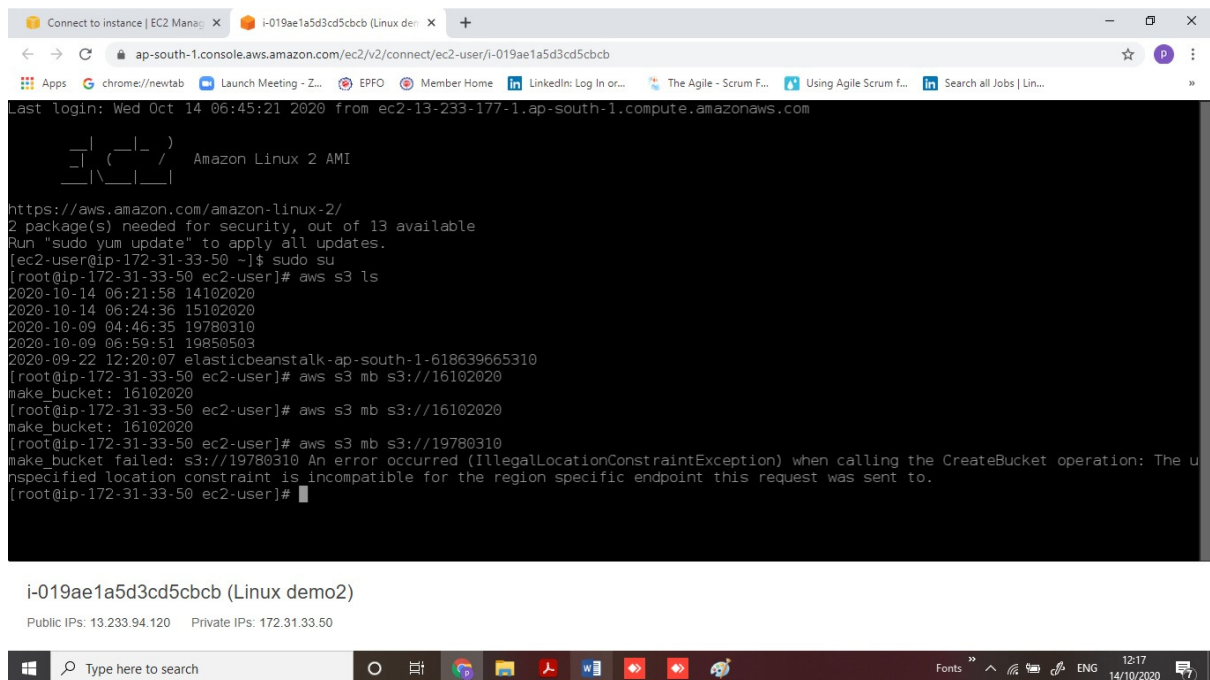


2) Ss2: List of ec2 instances with description



The screenshot shows the AWS Management Console interface for EC2 instances. The left sidebar contains navigation options like 'New EC2 Experience', 'EC2 Dashboard', 'Events', 'Tags', 'Limits', 'Instances', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Capacity Reservations', 'Images', and 'AMIs'. The main content area displays a table of instances. Two instances are listed: 'bootstrap demo1' and 'Linux demo2'. The 'Linux demo2' instance is selected, and its details are shown in a modal window. The details include Instance ID (i-019ae1a5d3cd5cbcb), Instance state (Running), Instance type (t2.micro), Public IPv4 address (13.233.94.120), Private IPv4 addresses (172.31.33.50), Public IPv4 DNS (ec2-13-233-94-120.ap-south-1.compute.amazonaws.com), Private IPv4 DNS (ip-172-31-33-50.ap-south-1.compute.internal), Elastic IP addresses, and VPC ID (vpc-77b3541c).

3) Ss3: Commands to be executed and outputs displayed

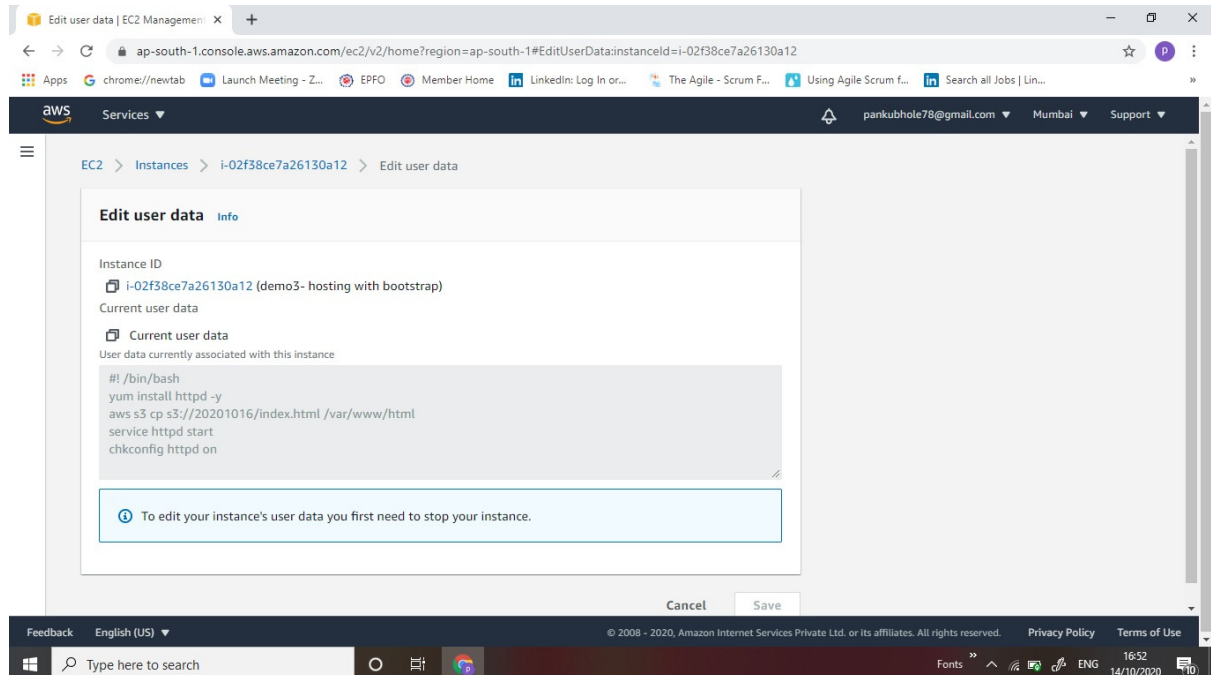


The screenshot shows the AWS Management Console interface for the 'Linux demo2' instance. The terminal output displays the last login time (Wed Oct 14 06:45:21 2020) and the Amazon Linux 2 AMI logo. The terminal shows the output of the 'aws s3 ls' command, which lists the S3 buckets and their creation times. The output is as follows:

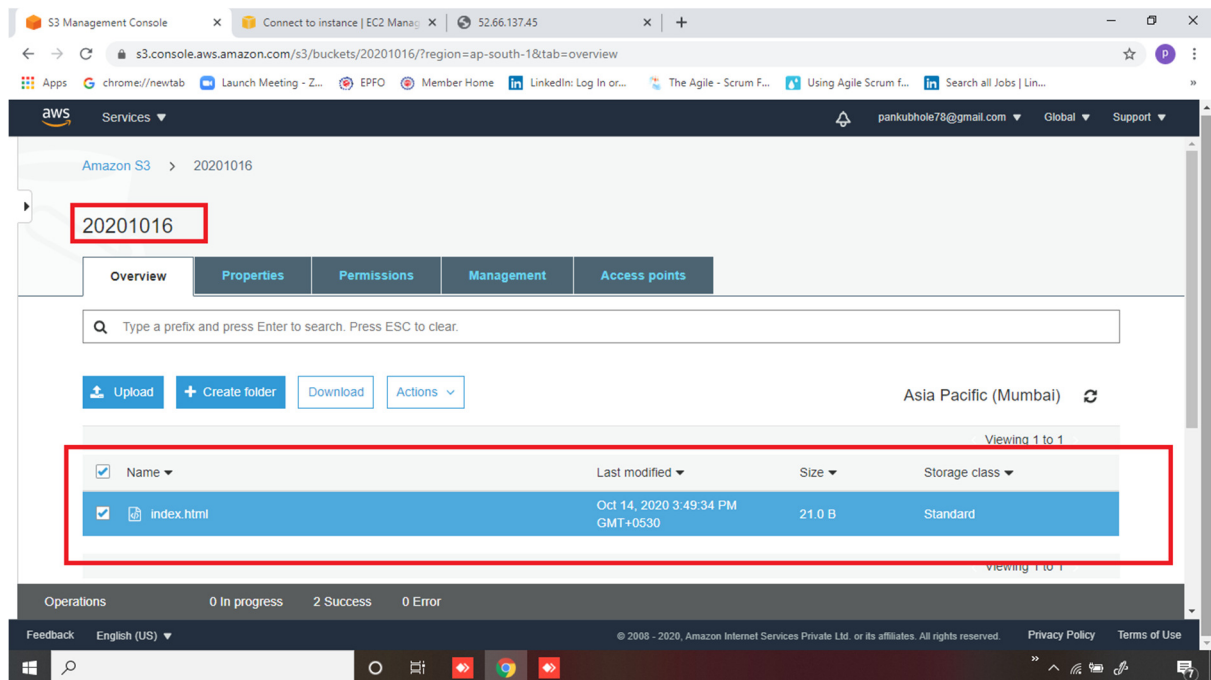
```
Last login: Wed Oct 14 06:45:21 2020 from ec2-13-233-177-1.ap-south-1.compute.amazonaws.com
Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
2 package(s) needed for security, out of 13 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-33-50 ~]$ sudo su
[root@ip-172-31-33-50 ec2-user]# aws s3 ls
2020-10-14 06:21:58 14102020
2020-10-14 06:24:36 15102020
2020-10-09 04:46:35 19780310
2020-10-09 06:59:51 19850503
2020-09-22 12:20:07 elasticbeanstalk-ap-south-1-618639665310
[root@ip-172-31-33-50 ec2-user]# aws s3 mb s3://16102020
make_bucket: 16102020
[root@ip-172-31-33-50 ec2-user]# aws s3 mb s3://16102020
make_bucket: 16102020
[root@ip-172-31-33-50 ec2-user]# aws s3 mb s3://19780310
make_bucket failed: s3://19780310 An error occurred (IllegalLocationConstraintException) when calling the CreateBucket operation: The unspecified location constraint is incompatible for the region specific endpoint this request was sent to.
[root@ip-172-31-33-50 ec2-user]#
```

Task 3: Hosting a webpage using the bootstrap script on ec2

Ss1: User data with public Ip is 52.66.137.45



Ss2:s3 bucket, index.html



Ss3: Testing using public IP

