

ACCESS S3 OBJECTS FROM EC2 INSTANCE

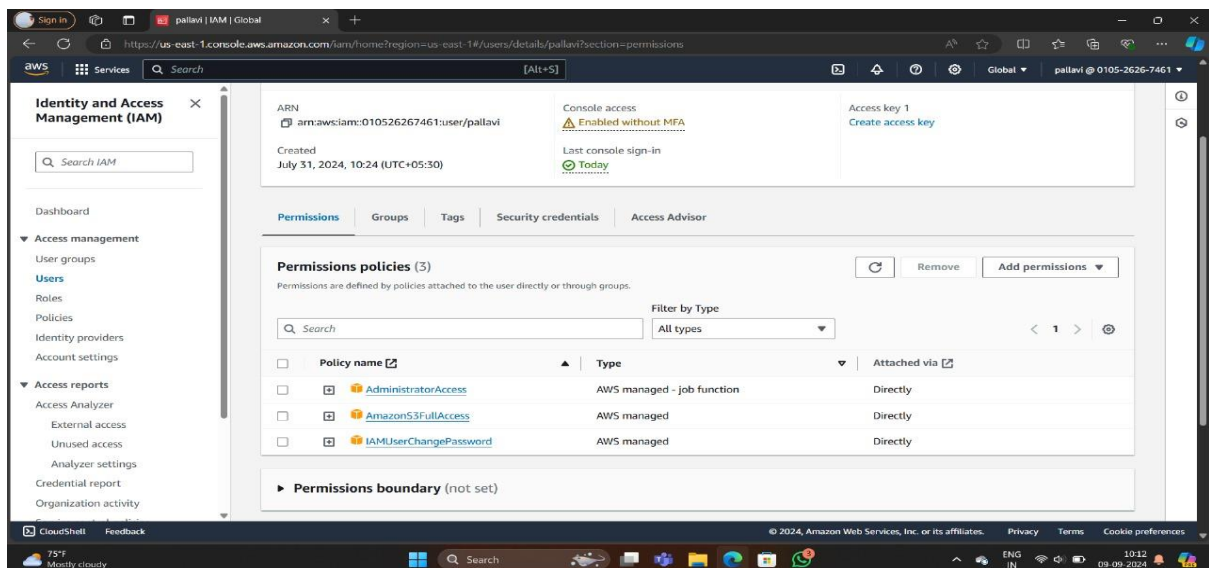
Create an IAM instance profile that grants access to Amazon S3

Complete the following steps:

- Open the **AWS Identity and Access Management (IAM)** console.
- In the navigation pane, under **Access management**, choose **Roles**.
- Choose **Create role**.
- Under **Trusted entity type**, choose **AWS service**, and then choose **EC2**.
- Choose **Next**.
- Create a custom policy that provides the minimum required permissions to **access your S3 bucket**.

Note: It's a security best practice to create a policy with the minimum required permissions. However, to allow EC2 access to all your S3 buckets, use the **AmazonS3ReadOnlyAccess** or **AmazonS3FullAccess managed** IAM policy.

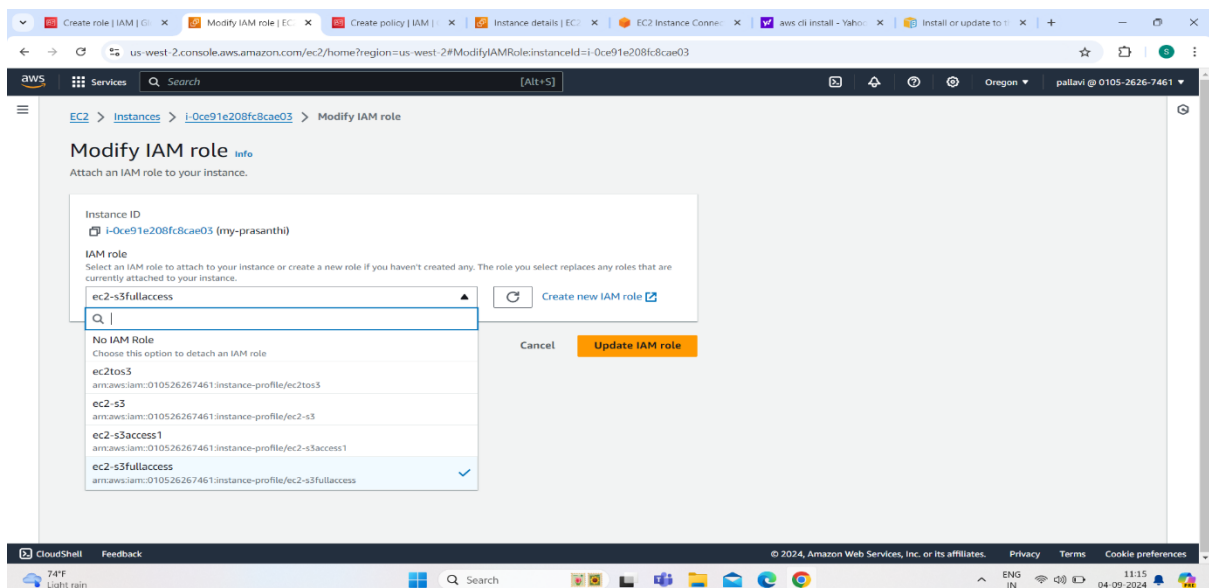
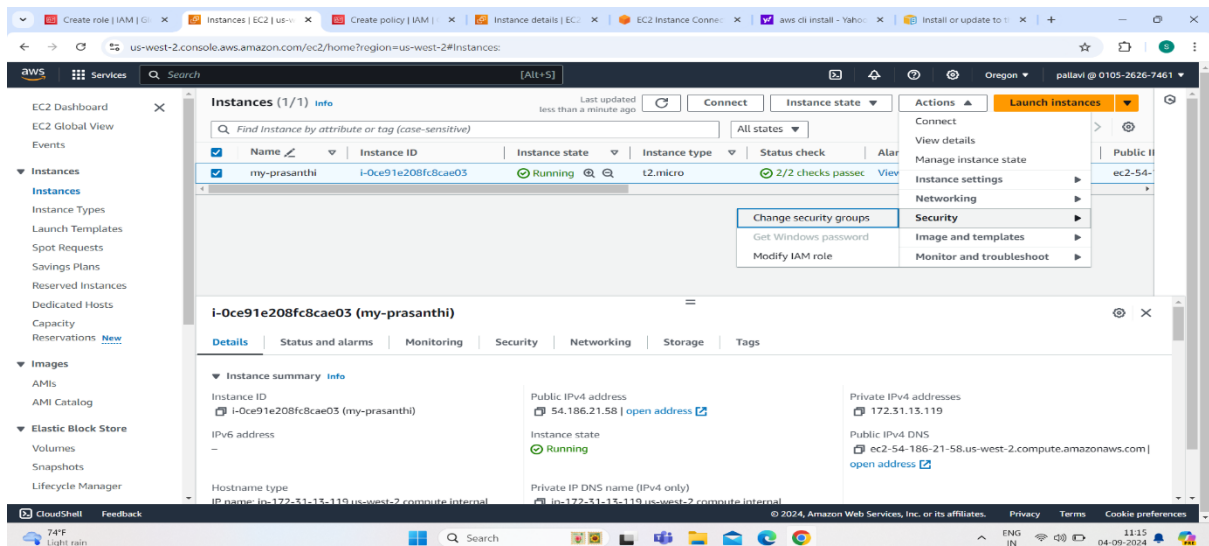
- Choose **Next**.
- Enter a role name, and then choose **Create role**.



Attach the IAM instance profile to the EC2 instance

Complete the following steps:

- Open the Amazon EC2 console.
- In the navigation pane, choose Instances.
- Select the instance that you want to attach the IAM role to.
- Choose the Actions tab, and then choose Security.
- Choose Modify IAM role.
- Select the IAM role, and then choose Save. The IAM role is assigned to your EC2 instance



Verify access to S3 buckets

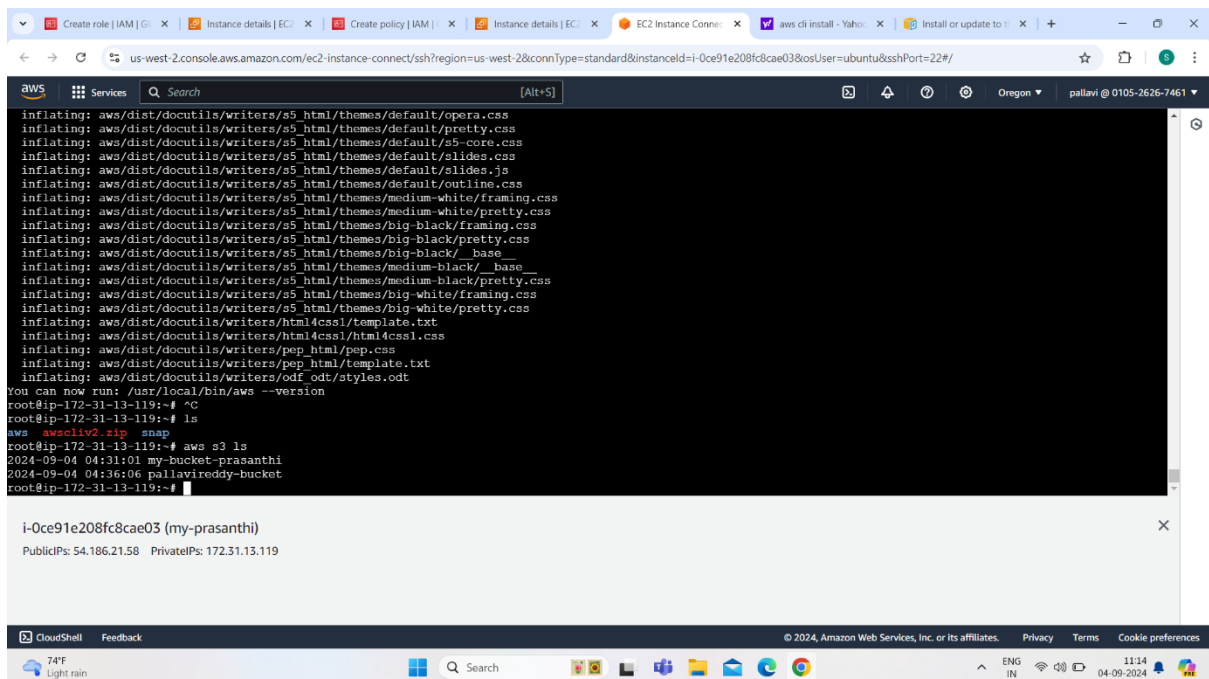
Complete the following steps:

Note:

If you receive errors when you run AWS Command Line Interface (AWS CLI) commands, then see [Troubleshoot AWS CLI errors](#). Also, make sure that you're using the most recent AWS CLI version.

- Install the AWS CLI on your EC2 instance.
- Run the following command to verify access to your S3 buckets:

aws s3 ls s3://DOC-EXAMPLE-BUCKET



The screenshot shows a web browser window with multiple tabs, including 'Create role | IAM', 'Instance details | EC2', and 'EC2 Instance Connect'. The active tab displays the AWS Management Console interface for an EC2 instance. The terminal window shows the following commands and output:

```
inflating: aws/dist/docutils/writers/s5_html/themes/default/opera.css
inflating: aws/dist/docutils/writers/s5_html/themes/default/pretty.css
inflating: aws/dist/docutils/writers/s5_html/themes/default/s5-core.css
inflating: aws/dist/docutils/writers/s5_html/themes/default/slides.css
inflating: aws/dist/docutils/writers/s5_html/themes/default/slides.js
inflating: aws/dist/docutils/writers/s5_html/themes/default/outline.css
inflating: aws/dist/docutils/writers/s5_html/themes/medium-white/framing.css
inflating: aws/dist/docutils/writers/s5_html/themes/medium-white/pretty.css
inflating: aws/dist/docutils/writers/s5_html/themes/big-black/framing.css
inflating: aws/dist/docutils/writers/s5_html/themes/big-black/pretty.css
inflating: aws/dist/docutils/writers/s5_html/themes/big-black/_base
inflating: aws/dist/docutils/writers/s5_html/themes/medium-black/_base
inflating: aws/dist/docutils/writers/s5_html/themes/medium-black/pretty.css
inflating: aws/dist/docutils/writers/s5_html/themes/big-white/framing.css
inflating: aws/dist/docutils/writers/s5_html/themes/big-white/pretty.css
inflating: aws/dist/docutils/writers/html4css1/template.txt
inflating: aws/dist/docutils/writers/html4css1/html4css1.css
inflating: aws/dist/docutils/writers/pep_html/pep.css
inflating: aws/dist/docutils/writers/pep_html/template.txt
inflating: aws/dist/docutils/writers/odf_odt/styles.odt
You can now run: /usr/local/bin/aws --version
root@ip-172-31-13-119:~# ^C
root@ip-172-31-13-119:~# ls
aws  awscli2.zip  snap
root@ip-172-31-13-119:~# aws s3 ls
2024-09-04 04:31:01 my-bucket-prasanthi
2024-09-04 04:36:06 pallavireddy-bucket
root@ip-172-31-13-119:~#
```

Below the terminal output, a box displays the instance ID: **i-0ce91e208fc8cae03 (my-prasanthi)**, along with PublicIPs: 54.186.21.58 and PrivateIPs: 172.31.13.119.