

Output:

Step1: Created 5 S3 Buckets.

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Python +
PS C:\Users\7350190\Desktop\S3withEc2> & C:/Users/7350190/AppData/Local/Programs/Python/Python312/python.exe c
0190/Desktop/ec2withs3/s3.py
S3 bucket buckettprefix-1 created.
S3 bucket buckettprefix-2 created.
S3 bucket buckettprefix-3 created.
S3 bucket buckettprefix-4 created.
S3 bucket buckettprefix-5 created.
PS C:\Users\7350190\Desktop\S3withEc2>
```

Buckets

Access Grants [New](#)

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

Storage Lens groups [New](#)

Buckets are containers for data stored in S3. [Learn more](#)

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| | Name ▲ | AWS Region ▼ | Access ▼ | Creation date ▼ |
|-----------------------|---------------------------------|---------------------------------|-------------------------------|---|
| <input type="radio"/> | buckettprefix-1 | US East (N. Virginia) us-east-1 | Bucket and objects not public | November 29, 2023, 21:30:30 (UTC-08:00) |
| <input type="radio"/> | buckettprefix-2 | US East (N. Virginia) us-east-1 | Bucket and objects not public | November 29, 2023, 21:30:31 (UTC-08:00) |
| <input type="radio"/> | buckettprefix-3 | US East (N. Virginia) us-east-1 | Bucket and objects not public | November 29, 2023, 21:30:33 (UTC-08:00) |
| <input type="radio"/> | buckettprefix-4 | US East (N. Virginia) us-east-1 | Bucket and objects not public | November 29, 2023, 21:30:35 (UTC-08:00) |
| <input type="radio"/> | buckettprefix-5 | US East (N. Virginia) us-east-1 | Bucket and objects not public | November 29, 2023, 21:30:37 (UTC-08:00) |

Step2: Created iam role and instance profile

```
PS C:\Users\7350190\Desktop\S3withEc2> & C:/Users/7350190/AppData/
/Users/7350190/Desktop/S3withEc2/iam.py
IAM Role iam_role created.
S3 permissions attached to IAM Role iam_role.
Instance profile instance_profile created.
IAM role iam_role added to instance profile instance_profile.
```

Step3: Created a Ec2 Instance attach iam role and run User data to upload Ec2 info in s3.

```
PS C:\Users\7350190\Desktop\S3withEc2> & C:/
esktop/S3withEc2/ec2.py
EC2 Instance ID: i-0eba406e1edc4a1fd
PS C:\Users\7350190\Desktop\S3withEc2>
```

Instance summary for i-0eba406e1edc4a1fd [Info](#)

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Connect

Instance state ▼

Actions ▼

Updated less than a minute ago

| | | |
|---|--|--|
| Instance ID i-0eba406e1edc4a1fd | Public IPv4 address 13.235.82.242 open address | Private IPv4 addresses 172.31.0.121 |
| IPv6 address - | Instance state Running | Public IPv4 DNS ec2-13-235-82-242.ap-south-1.compute.amazonaws.com open address |
| Hostname type IP name: ip-172-31-0-121.ap-south-1.compute.internal | Private IP DNS name (IPv4 only) ip-172-31-0-121.ap-south-1.compute.internal | Elastic IP addresses |
| Answer private resource DNS name | Instance type | |

buckettprefix-3 [Info](#)

Objects

Properties

Permissions

Metrics

Management

Access Points

Objects (1) [Info](#)

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 other 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

Find objects by prefix

< 1 >

| <input type="checkbox"/> | Name ▲ | Type ▼ | Last modified ▼ | Size ▼ | Storage class |
|--------------------------|--------------|--------|---|--------|---------------|
| <input type="checkbox"/> | ec2_info.txt | txt | November 29, 2023, 22:52:45 (UTC-08:00) | 59.0 B | Standard |

amazon.c ec2_info (1) - Notepad

File Edit Format View Help

Maps

Private IP Address: 172.31.0.121

Hostname: ip-172-31-0-121