

Lab 5: Managing Storage

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IFT 562: Cloud Security & Operations for IT

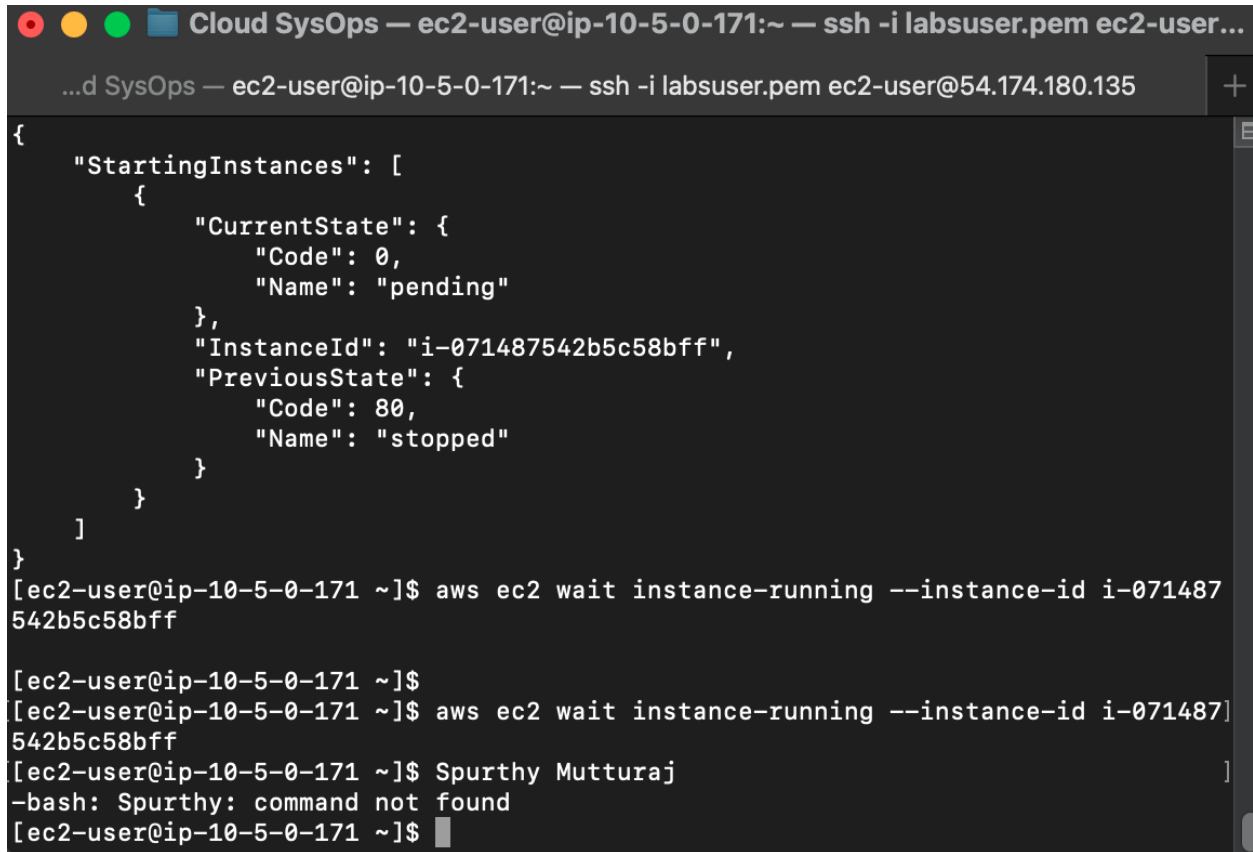
Daniel Wells

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Figure 1

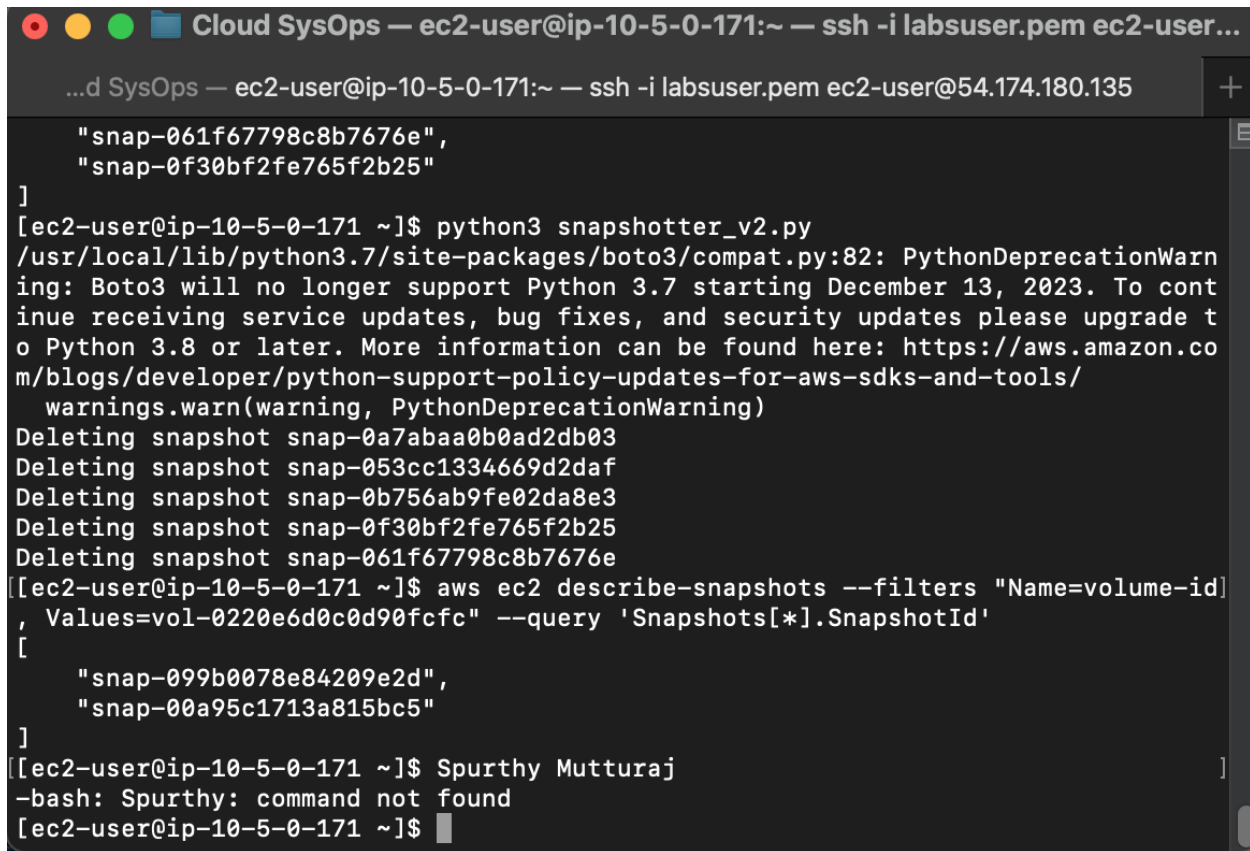
A screenshot of aws ec2 wait instance-running command.



```
Cloud SysOps — ec2-user@ip-10-5-0-171:~ — ssh -i labsuser.pem ec2-user...
...d SysOps — ec2-user@ip-10-5-0-171:~ — ssh -i labsuser.pem ec2-user@54.174.180.135
{
  "StartingInstances": [
    {
      "CurrentState": {
        "Code": 0,
        "Name": "pending"
      },
      "InstanceId": "i-071487542b5c58bff",
      "PreviousState": {
        "Code": 80,
        "Name": "stopped"
      }
    }
  ]
}
[ec2-user@ip-10-5-0-171 ~]$ aws ec2 wait instance-running --instance-id i-071487
542b5c58bff
[ec2-user@ip-10-5-0-171 ~]$
[ec2-user@ip-10-5-0-171 ~]$ aws ec2 wait instance-running --instance-id i-071487]
542b5c58bff
[ec2-user@ip-10-5-0-171 ~]$ Spurthy Mutturaj
-bash: Spurthy: command not found
[ec2-user@ip-10-5-0-171 ~]$
```

Figure 2

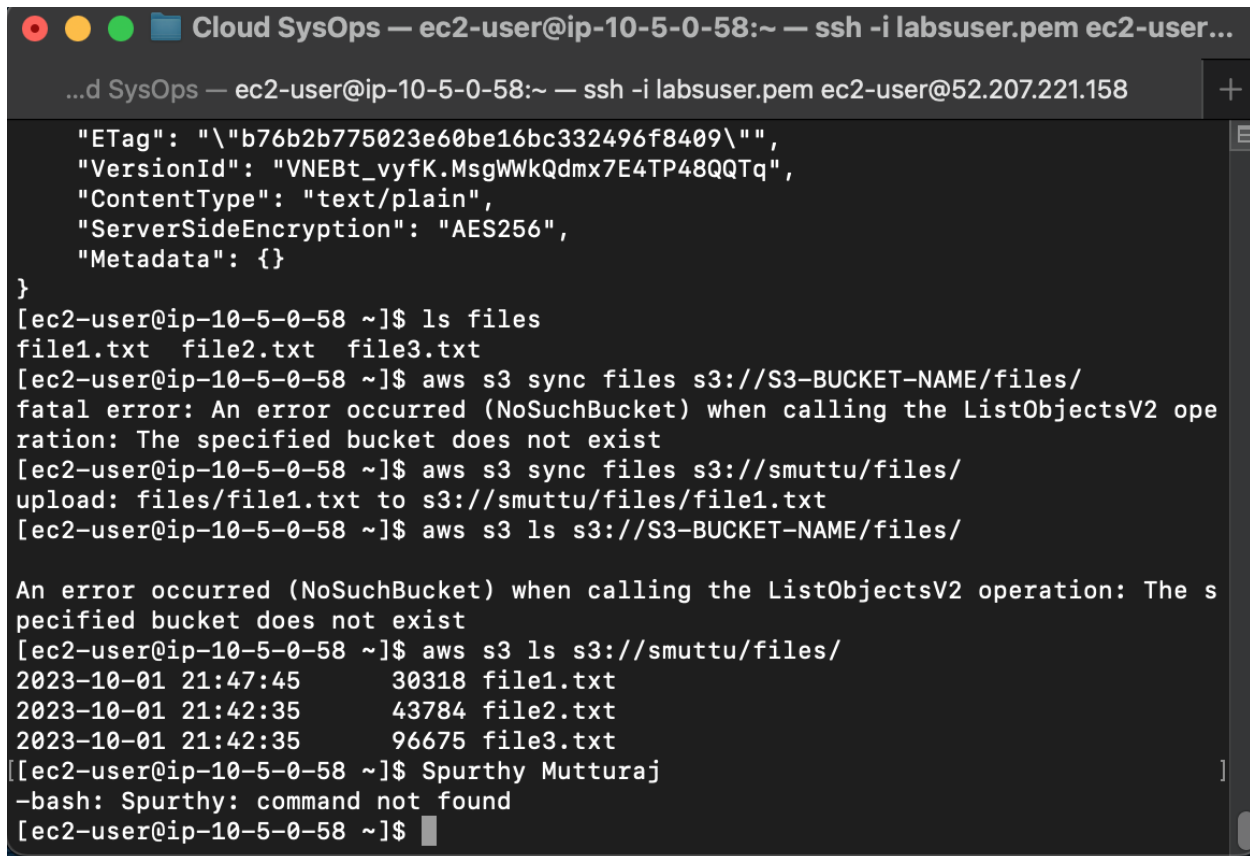
Screenshot of retaining only last two EBS volume snapshots.



```
Cloud SysOps — ec2-user@ip-10-5-0-171:~ — ssh -i labsuser.pem ec2-user...
...d SysOps — ec2-user@ip-10-5-0-171:~ — ssh -i labsuser.pem ec2-user@54.174.180.135
+
[
  "snap-061f67798c8b7676e",
  "snap-0f30bf2fe765f2b25"
]
[ec2-user@ip-10-5-0-171 ~]$ python3 snapshotter_v2.py
/usr/local/lib/python3.7/site-packages/boto3/compat.py:82: PythonDeprecationWarning: Boto3 will no longer support Python 3.7 starting December 13, 2023. To continue receiving service updates, bug fixes, and security updates please upgrade to Python 3.8 or later. More information can be found here: https://aws.amazon.com/blogs/developer/python-support-policy-updates-for-aws-sdks-and-tools/
  warnings.warn(warning, PythonDeprecationWarning)
Deleting snapshot snap-0a7abaa0b0ad2db03
Deleting snapshot snap-053cc1334669d2daf
Deleting snapshot snap-0b756ab9fe02da8e3
Deleting snapshot snap-0f30bf2fe765f2b25
Deleting snapshot snap-061f67798c8b7676e
[ec2-user@ip-10-5-0-171 ~]$ aws ec2 describe-snapshots --filters "Name=volume-id, Values=vol-0220e6d0c0d90fcfc" --query 'Snapshots[*].SnapshotId'
[
  "snap-099b0078e84209e2d",
  "snap-00a95c1713a815bc5"
]
[ec2-user@ip-10-5-0-171 ~]$ Spurthy Mutturaj
-bash: Spurthy: command not found
[ec2-user@ip-10-5-0-171 ~]$
```

Figure 3

Screenshot of s3 ls command.



```
Cloud SysOps — ec2-user@ip-10-5-0-58:~ — ssh -i labsuser.pem ec2-user...
...d SysOps — ec2-user@ip-10-5-0-58:~ — ssh -i labsuser.pem ec2-user@52.207.221.158
  "ETag": "\"b76b2b775023e60be16bc332496f8409\"",
  "VersionId": "VNEBt_vyfK.MsgWWkQdmx7E4TP48QQTq",
  "ContentType": "text/plain",
  "ServerSideEncryption": "AES256",
  "Metadata": {}
}
[ec2-user@ip-10-5-0-58 ~]$ ls files
file1.txt file2.txt file3.txt
[ec2-user@ip-10-5-0-58 ~]$ aws s3 sync files s3://S3-BUCKET-NAME/files/
fatal error: An error occurred (NoSuchBucket) when calling the ListObjectsV2 operation: The specified bucket does not exist
[ec2-user@ip-10-5-0-58 ~]$ aws s3 sync files s3://smuttu/files/
upload: files/file1.txt to s3://smuttu/files/file1.txt
[ec2-user@ip-10-5-0-58 ~]$ aws s3 ls s3://S3-BUCKET-NAME/files/

An error occurred (NoSuchBucket) when calling the ListObjectsV2 operation: The specified bucket does not exist
[ec2-user@ip-10-5-0-58 ~]$ aws s3 ls s3://smuttu/files/
2023-10-01 21:47:45      30318 file1.txt
2023-10-01 21:42:35      43784 file2.txt
2023-10-01 21:42:35      96675 file3.txt
[ec2-user@ip-10-5-0-58 ~]$ Spurthy Mutturaj
-bash: Spurthy: command not found
[ec2-user@ip-10-5-0-58 ~]$
```