Project 7:Introducing Amazon Elastic File System (Amazon EFS)

Access and Configure AWS CLI

1. Open the Lab Environment o Start your lab session as directed.

2. Run the Lab o Initiate the lab session by clicking the "Run Lab" button.

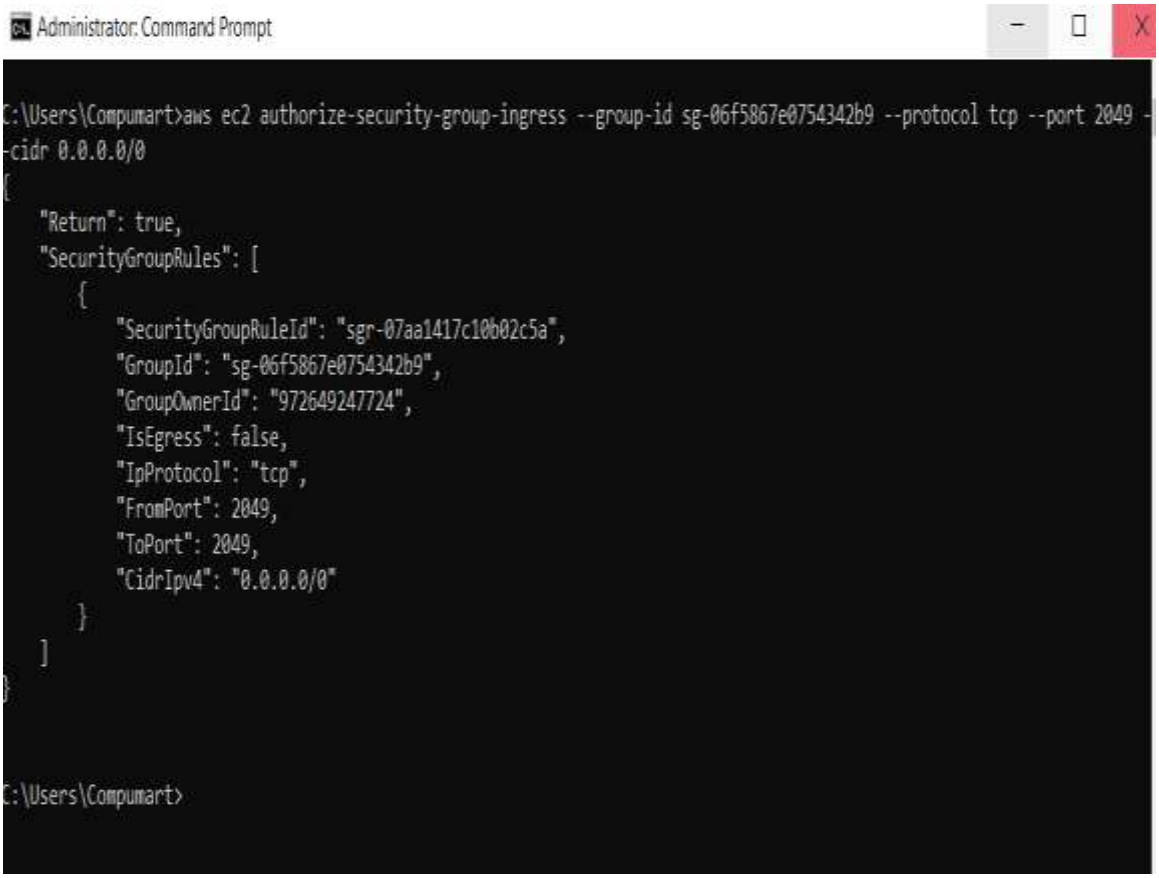
3. Access AWS CLI

- Navigate to the AWS Details panel.
- Locate the AWS CLI section and click "Show" to reveal the CLI credentials.

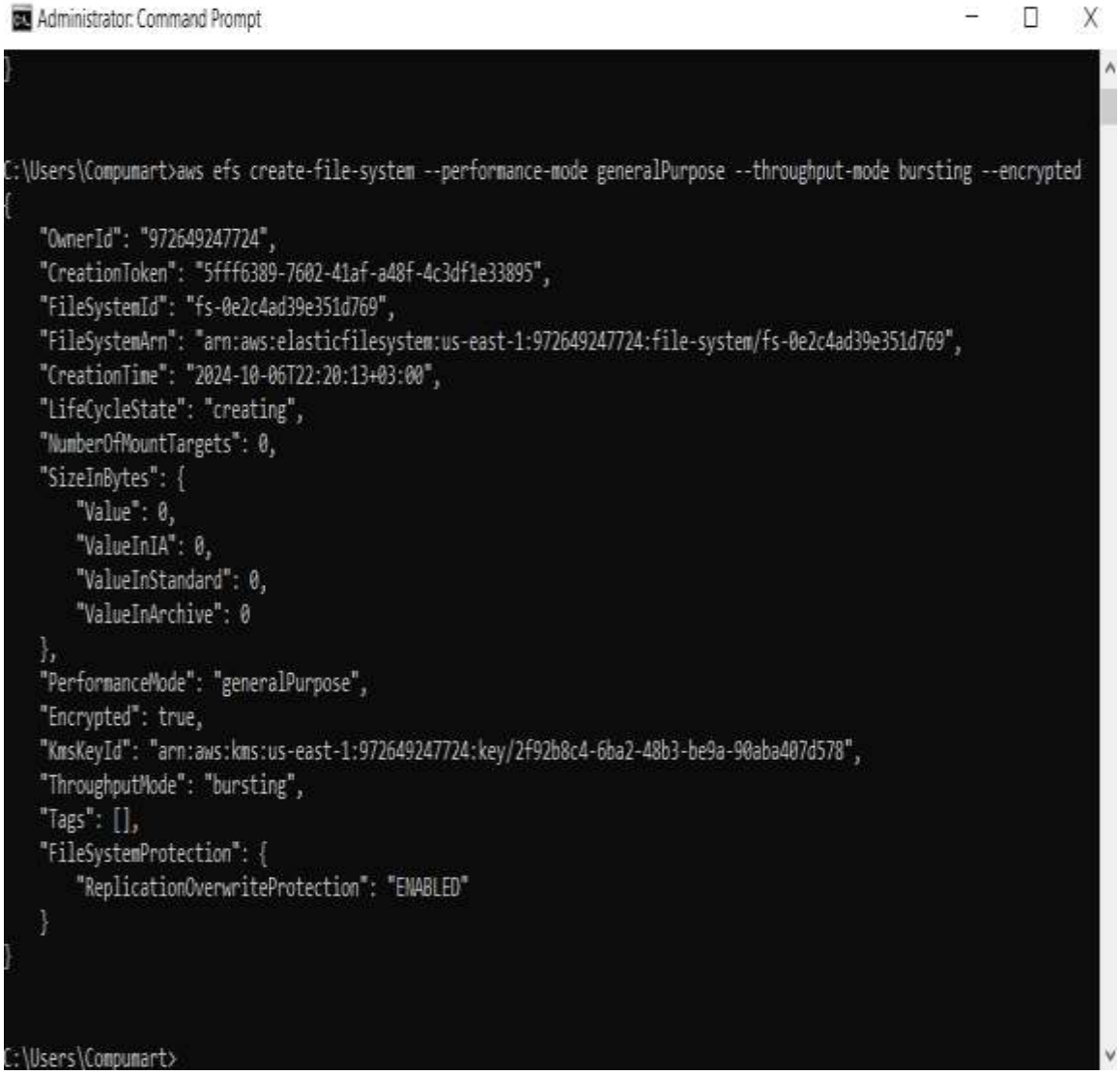
Task 1: Create a Security Group for EFS Access

Task 1.1: Creating a Security Group using AWS CLI

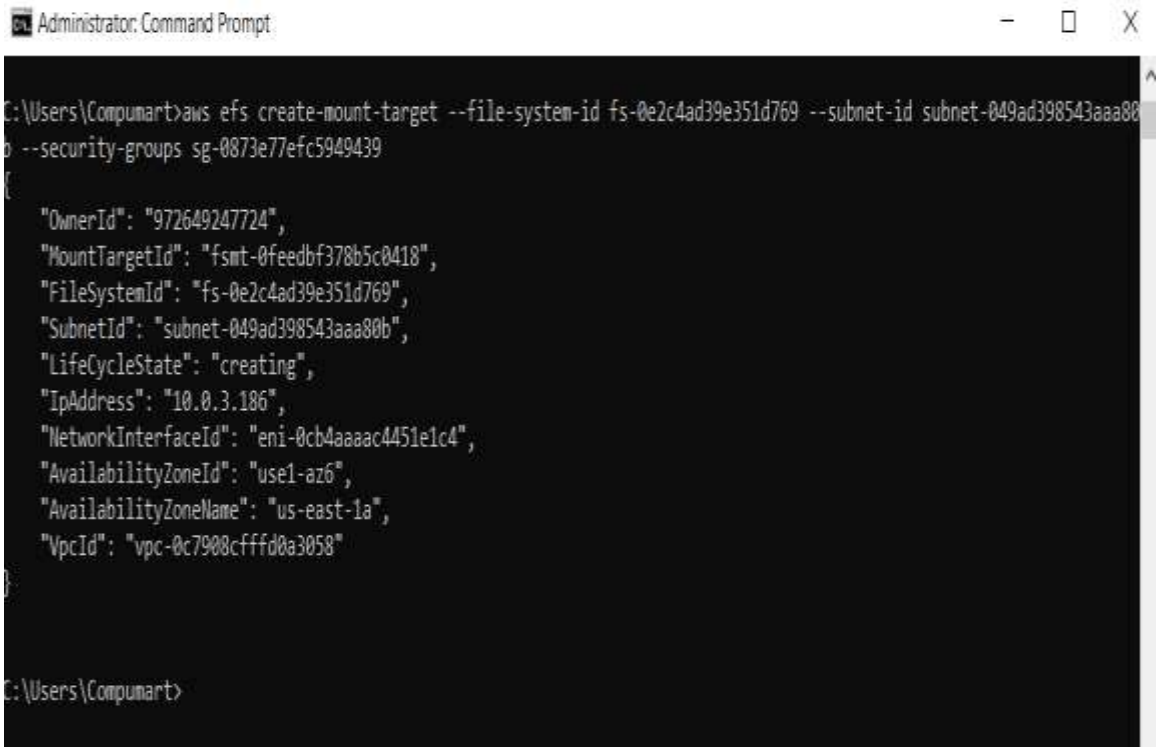
Task 1.2: Adding Inbound Rules to Allow Access via NFS


Administrator: Command Prompt
C:\Users\Compumart>aws ec2 authorize-security-group-ingress --group-id sg-06f5867e0754342b9 --protocol tcp --port 2049 --
-cidr 0.0.0.0/0
{
"Return": true,
"SecurityGroupRules": [
{
"SecurityGroupRuleId": "sgr-07aa1417c10b02c5a",
"GroupId": "sg-06f5867e0754342b9",
"GroupOwnerId": "972649247724",
"IsEgress": false,
"IpProtocol": "tcp",
"FromPort": 2049,
"ToPort": 2049,
"CidrIpv4": "0.0.0.0/0"
}
]
}
C:\Users\Compumart>

Task 2: Creating an Amazon EFS File System



2.2 Adding Mount Targets for the EFS File System



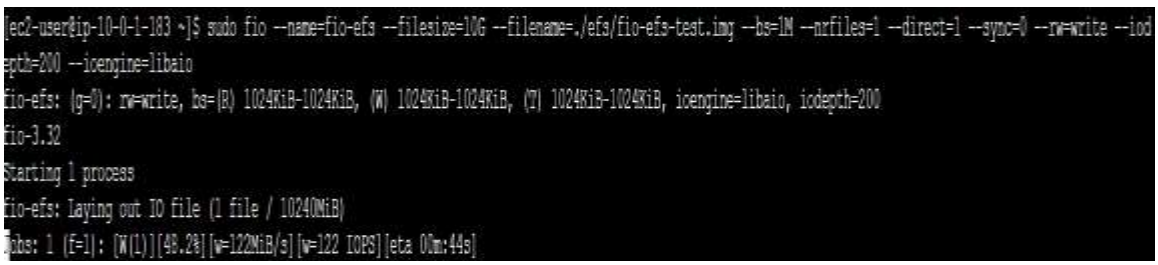
Task 3: Connect to the EC2 Instance.

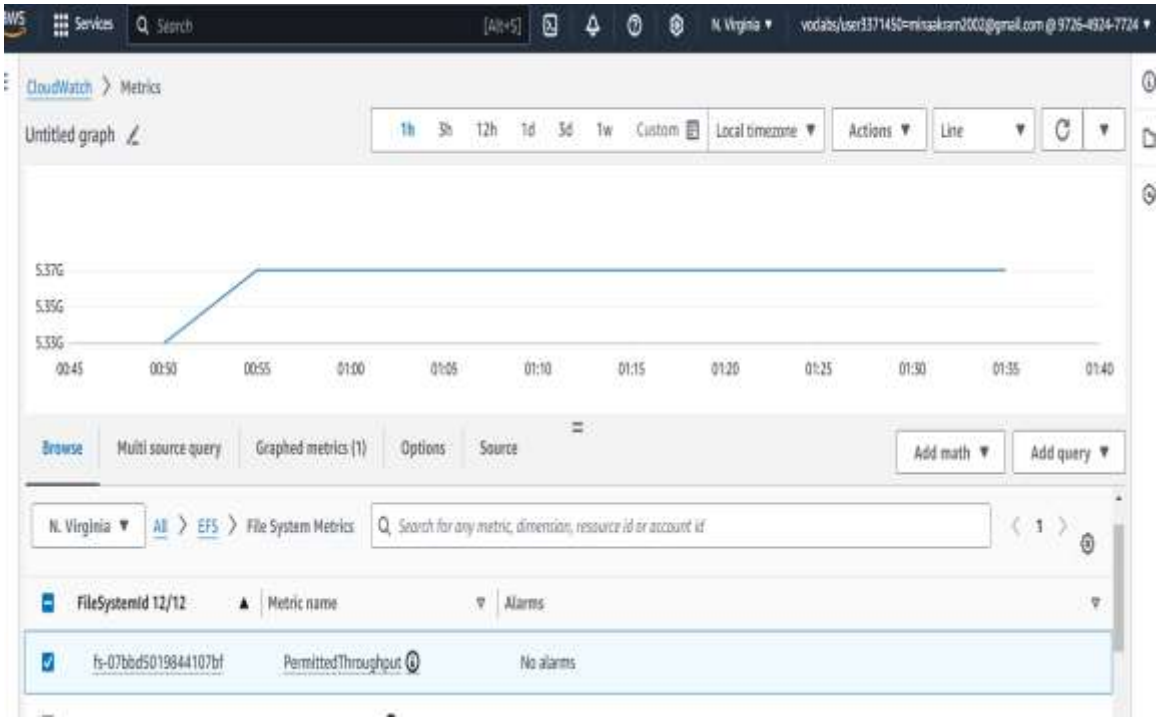
Connect to the EC2 Instance using Session Manager.

Task 4: Mounting the EFS File System

Install the required tools.

Task 5: Examining the Performance of the EFS File System




Services
Search
[Alt+S]
N. Virginia
CloudWatch
Metrics
Untitled graph
1h
3h
12h
1d
3d
1w
Custom
Local timezone
Actions
Line
5.37G
5.35G
5.33G
00:45
00:50
00:55
01:00
01:05
01:10
01:15
01:20
01:25
01:30
01:35
01:40
Browse
Multi source query
Graphed metrics (1)
Options
Source
Add math
Add query
N. Virginia
All
EFS
File System Metrics
Search for any metric, dimension, resource id or account id
FileSystemId 12/12
Metric name
Alarms
fs-07bbd5019844107bf
PermittedThroughput
No alarms

▶ Start Lab ■ End Lab ℹ AWS Details ℹ Details

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Total score	15/15
[Task 1] Security Group created	5/5
[Task 2] EFS file system created	5/5
[Task 5] Flexible IO was run	5/5