Create EFS & Attach to 3 different Instances in 3 different AZ

What is Elastic File System (EFS)

Amazon EFS Provides a Simple, Serverless, Set & Forgot Elastic File System for Use with AWS Cloud Services & On -Permises Resources.

What is Availability Zones?

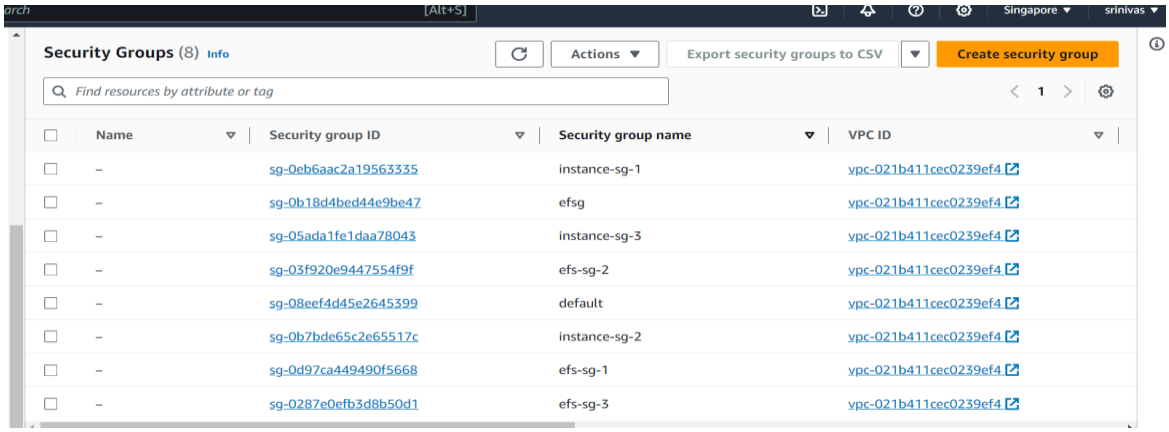
Availability Zones Consist of One Or More Discrete Data Centers, Each with Redundant Power, Networking, Connectivity and Housed in Separate Facilities.

What is EC2 Instance?

Amazon Web Service EC2 (Amazon Elastic Compute Cloud), one of Amazon Web Services' most well-known services, offers businesses the ability to run applications on the public cloud. An EC2 instance is simply a virtual server in Amazon Web Services terminology

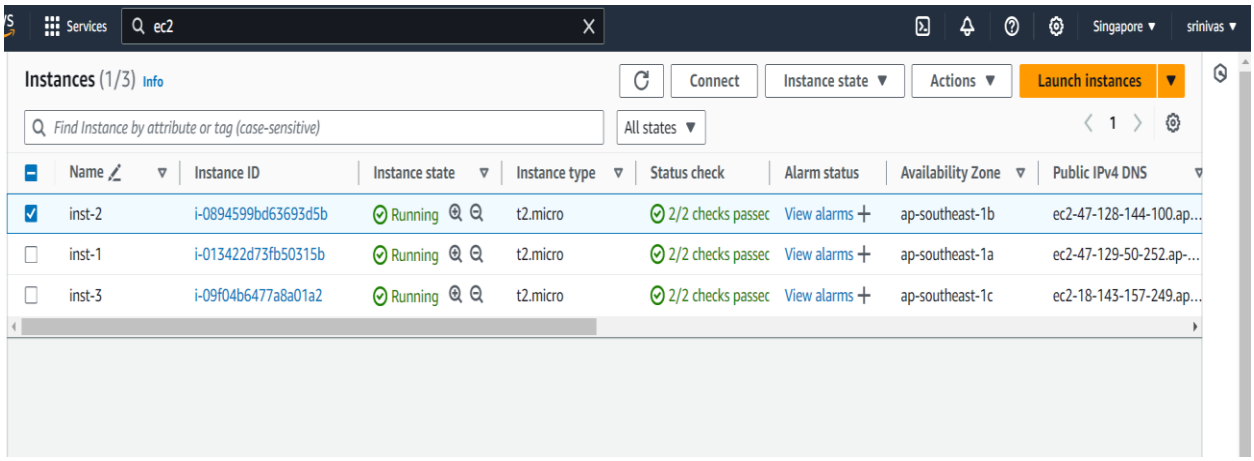
Create Elastic File System (EFS):

1. Firstly, Create a Security Group & add SSH rule in it.
2. Now Create a EFS – Name – Customize – Regional – Next – Security group –
3. Some Screenshots are mentioned Below.



Create EC2 Instance:

1. Create 3 EC2 Instances.
2. Go to instance – Launch Instance – Create key pair – Select Security Group –Add File System – Launch Instance.
3. Some EC2 Snapshots are attached below.
4. After creating EC2 Instances & Copy the SSH.
5. Paste it in the Git bash and Connect.
6. Apply Same procedure for another two instances.



Outputs:

ap-southeast-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-southeast-1&connType=standard&instanceId=i-0894599bd63693d5b&osUser=
aws
Services
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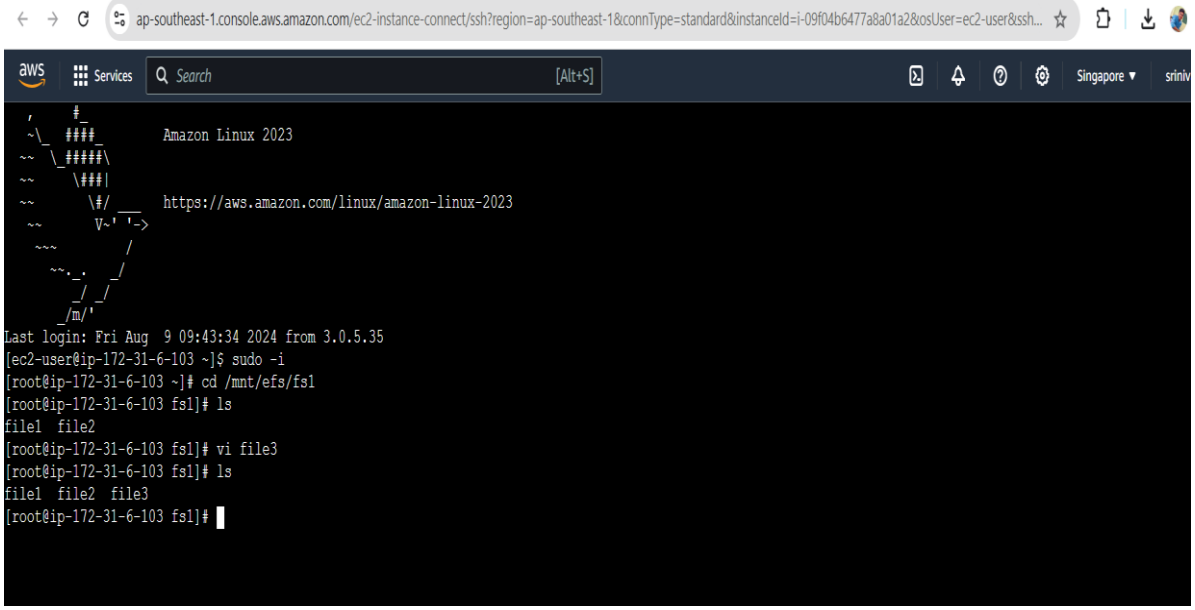
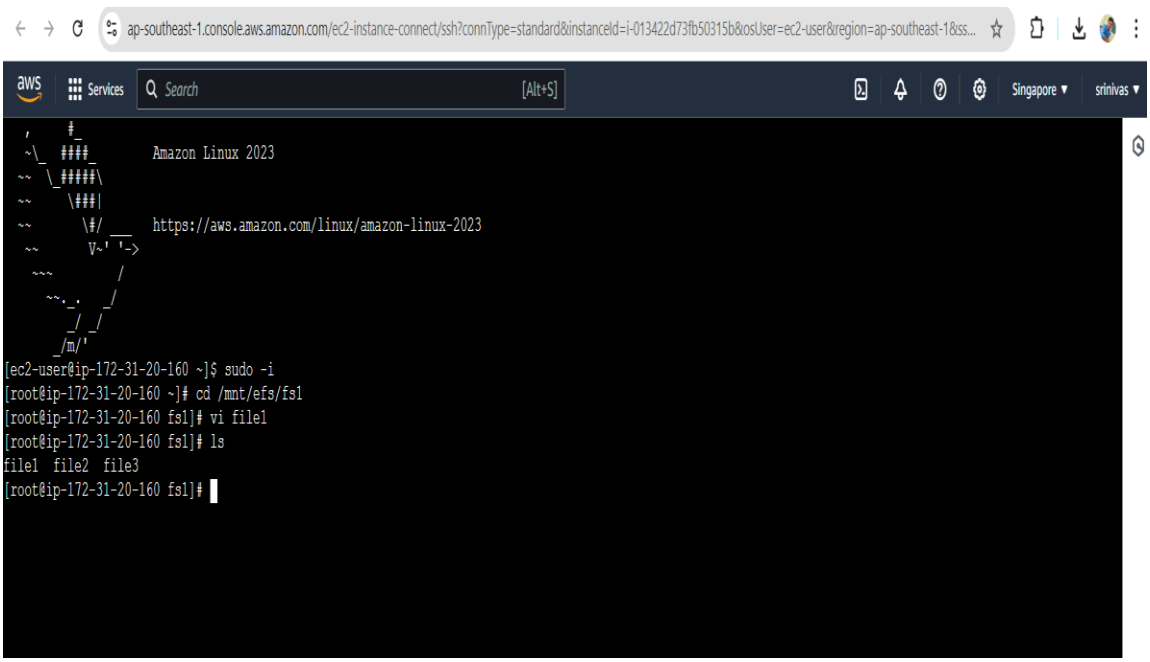
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
ec2-user@ip-172-31-34-129 ~]$ sudo -i
root@ip-172-31-34-129 ~]# cd /mnt/efs/fs1
root@ip-172-31-34-129 fs1]# ls
ile1
root@ip-172-31-34-129 fs1]# vi file2
root@ip-172-31-34-129 fs1]# ls
ile1 file2
root@ip-172-31-34-129 fs1]#


ap-southeast-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-southeast-1&connType=standard&instanceId=i-09f04b6477a8a01a2&osUser=ec2-user&ssh...
aws
Services
Search
[Alt+S]
Singapore
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
Last login: Fri Aug 9 09:43:34 2024 from 3.0.5.35
[ec2-user@ip-172-31-6-103 ~]$ sudo -i
[root@ip-172-31-6-103 ~]# cd /mnt/efs/fs1
[root@ip-172-31-6-103 fs1]# ls
file1 file2
[root@ip-172-31-6-103 fs1]# vi file3
[root@ip-172-31-6-103 fs1]# ls
file1 file2 file3
[root@ip-172-31-6-103 fs1]#


ap-southeast-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-013422d73fb50315b&osUser=ec2-user&region=ap-southeast-1&ss...
aws
Services
Search
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Singapore
srinivas
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
[ec2-user@ip-172-31-20-160 ~]$ sudo -i
[root@ip-172-31-20-160 ~]# cd /mnt/efs/fs1
[root@ip-172-31-20-160 fs1]# vi file1
[root@ip-172-31-20-160 fs1]# ls
file1 file2 file3
[root@ip-172-31-20-160 fs1]#