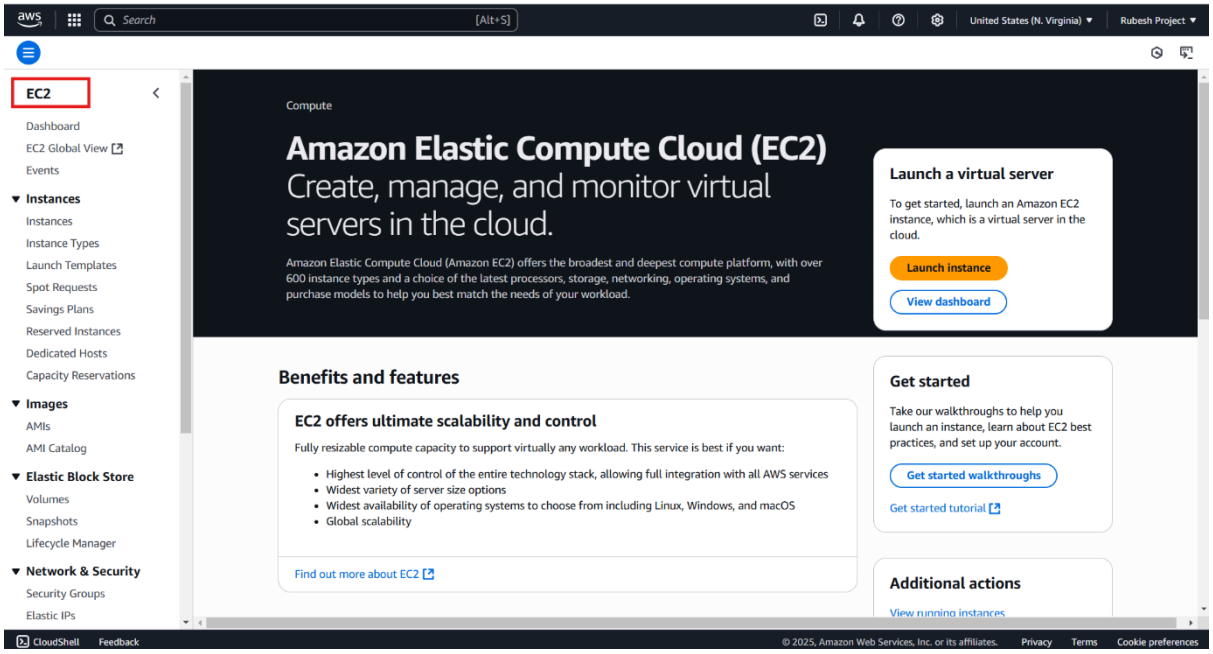
Module 2: EC2 and EFS Assignment

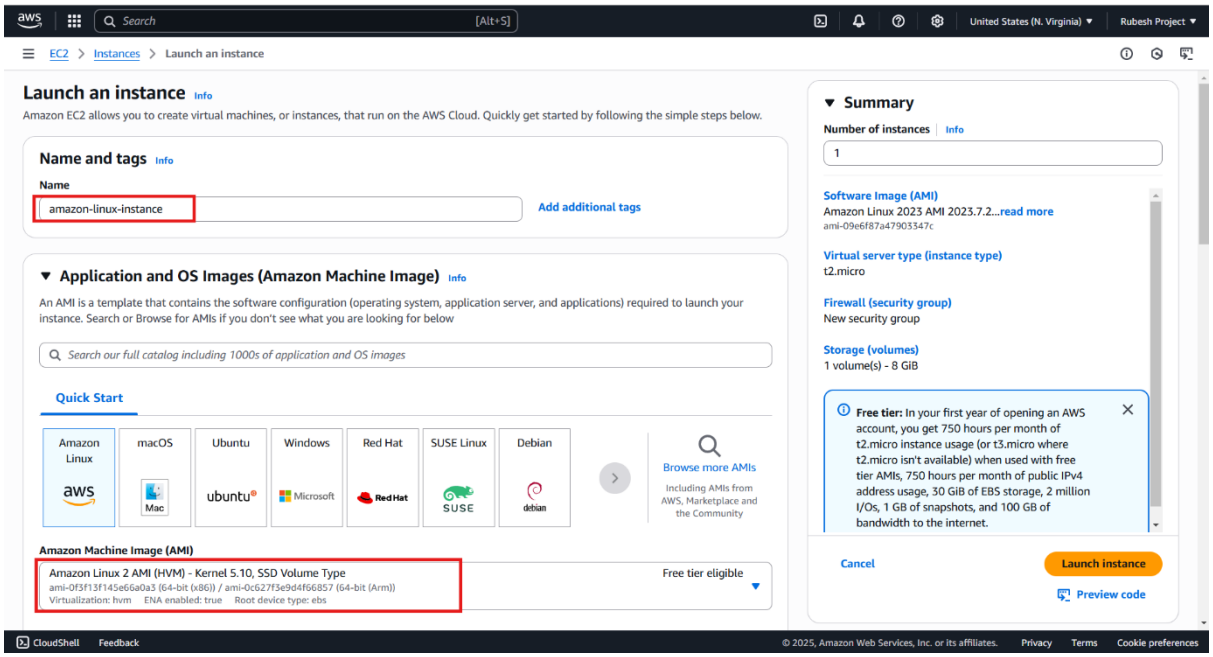
Tasks To Be Performed:

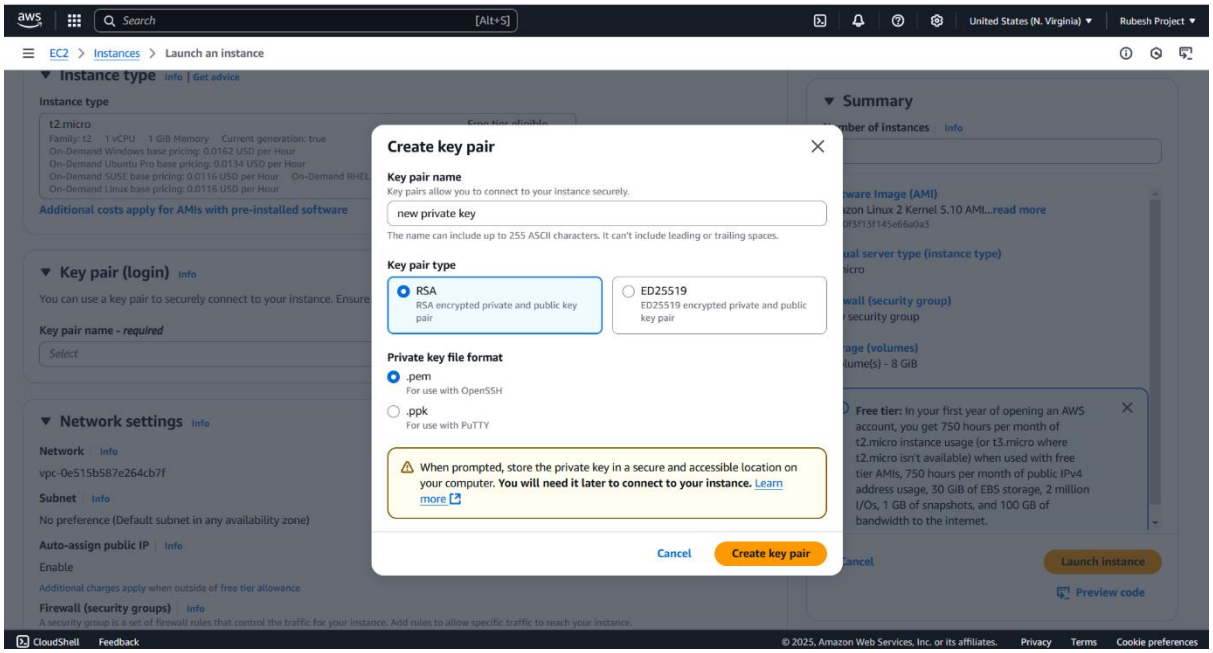
1. Create an EFS and connect it to 3 different EC2 instances. Make sure that all instances have different operating systems. For instance, Ubuntu, Red Hat Linux and Amazon Linux 2.

Module 2 - Introduction to EC2, EBS, EFS and Amazon FSx

Assignment 3 – EC2 and EFS






Search [Alt+S]
United States (N. Virginia)
Rubesh Project
EC2 > Instances > Launch an instance
Instance type
Summary
Create key pair
Key pair name
Key pairs allow you to connect to your instance securely.
new private key
The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.
Key pair type
RSA
RSA encrypted private and public key pair
ED25519
ED25519 encrypted private and public key pair
Private key file format
.pem
For use with OpenSSH
.ppk
For use with PuTTY
When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. Learn more
Cancel
Create key pair
Key pair (login)
Network settings
Launch instance
Preview code
CloudShell
Feedback
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Privacy
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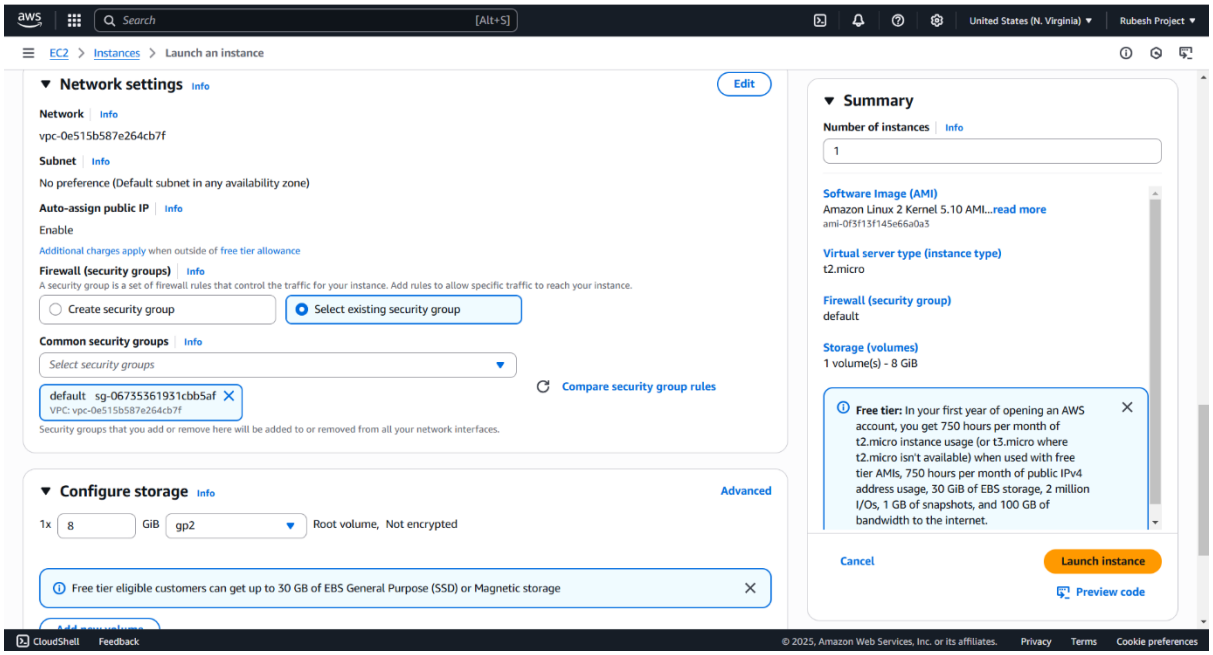
Search [Alt+S]
United States (N. Virginia)
Rubesh Project
EC2 > Instances > Launch an instance
Network settings
Edit
Network
vpc-0e515b587e264cb7f
Subnet
No preference (Default subnet in any availability zone)
Auto-assign public IP
Enable
Additional charges apply when outside of free tier allowance
Firewall (security groups)
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
Create security group
Select existing security group
Common security groups
Select security groups
default sg-06735361931cbb5af
VPC: vpc-0e515b587e264cb7f
Compare security group rules
Security groups that you add or remove here will be added to or removed from all your network interfaces.
Configure storage
Advanced
1x 8 GiB gp2 Root volume, Not encrypted
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage
Summary
Number of instances
1
Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...read more
ami-0f3f13f145e66a0a3
Virtual server type (instance type)
t2.micro
Firewall (security group)
default
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4 address usage, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.
Cancel
Launch instance
Preview code
CloudShell
Feedback
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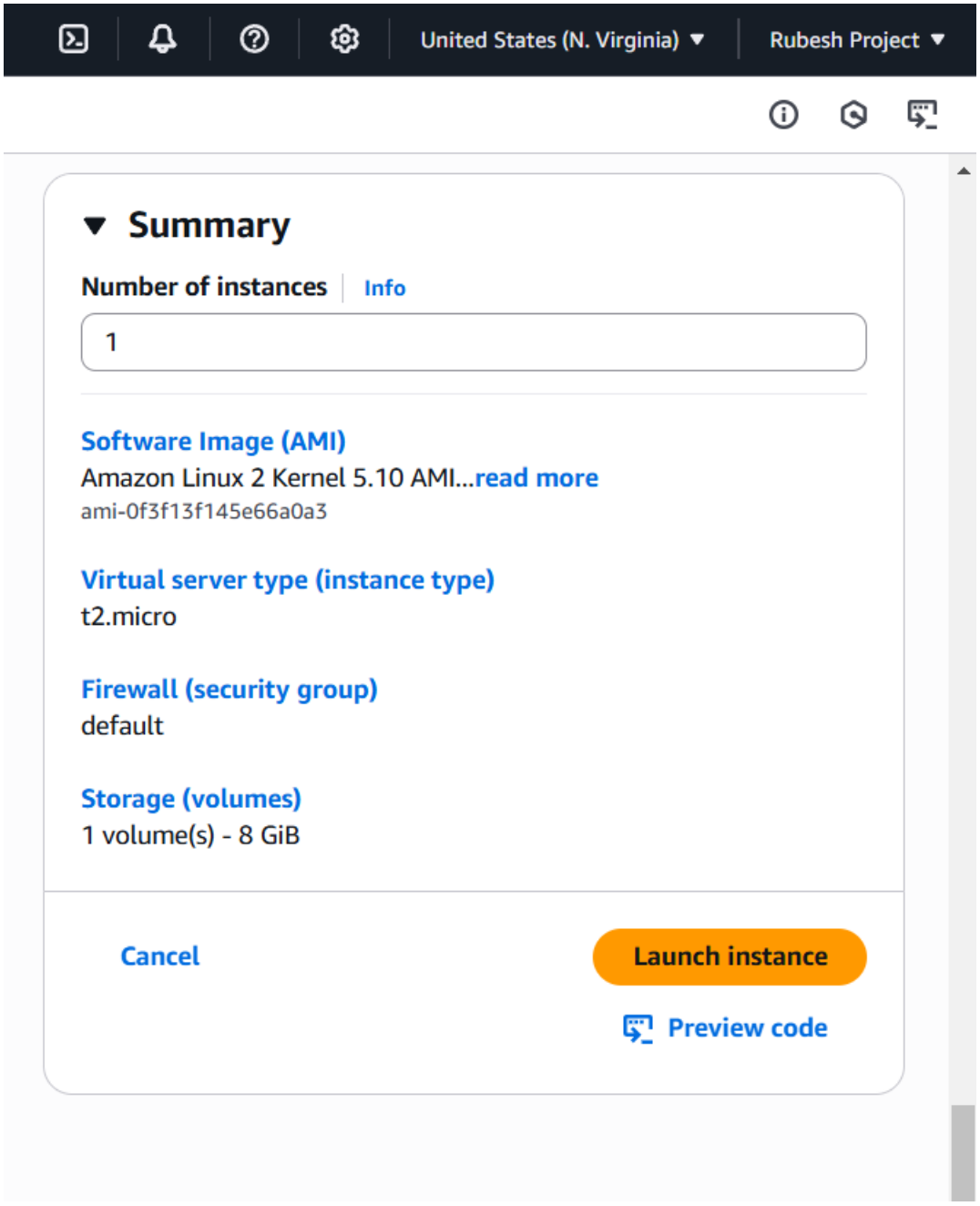
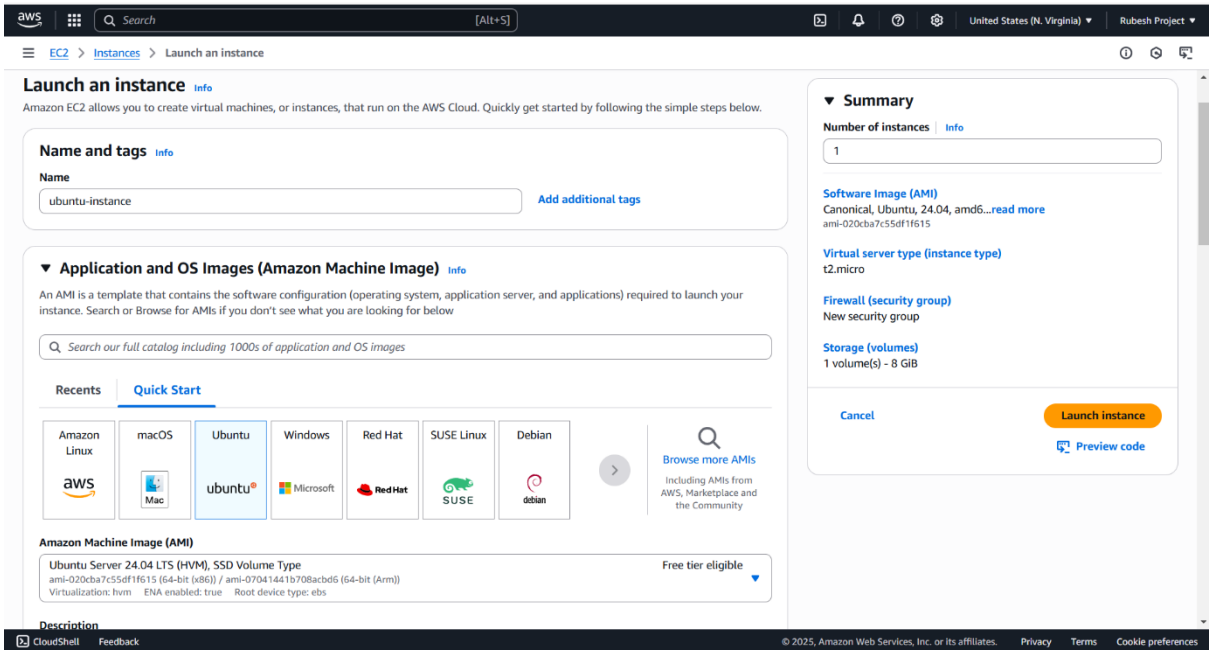
Cookie preferences


United States (N. Virginia)
Rubesh Project
Summary
Number of instances
Info
1
Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...read more
ami-0f3f13f145e66a0a3
Virtual server type (instance type)
t2.micro
Firewall (security group)
default
Storage (volumes)
1 volume(s) - 8 GiB
Cancel
Launch instance
Preview code


Search [Alt+S]
United States (N. Virginia)
Rubesh Project
EC2 > Instances > Launch an instance
Launch an instance Info
Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.
Name and tags Info
Name
ubuntu-instance
Add additional tags
Application and OS Images (Amazon Machine Image) Info
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below
Search our full catalog including 1000s of application and OS images
Recents
Quick Start
Amazon Linux
macOS
Ubuntu
Windows
Red Hat
SUSE Linux
Debian
Browse more AMIs
Including AMIs from AWS, Marketplace and the Community
Amazon Machine Image (AMI)
Ubuntu Server 24.04 LTS (HVM), SSD Volume Type
ami-020cba7c55df1f615 (64-bit (x86)) / ami-07041441b708acbd6 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs
Free tier eligible
Description
Summary
Number of instances Info
1
Software Image (AMI)
Canonical, Ubuntu, 24.04, amd6...read more
ami-020cba7c55df1f615
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Cancel
Launch instance
Preview code
CloudShell
Feedback
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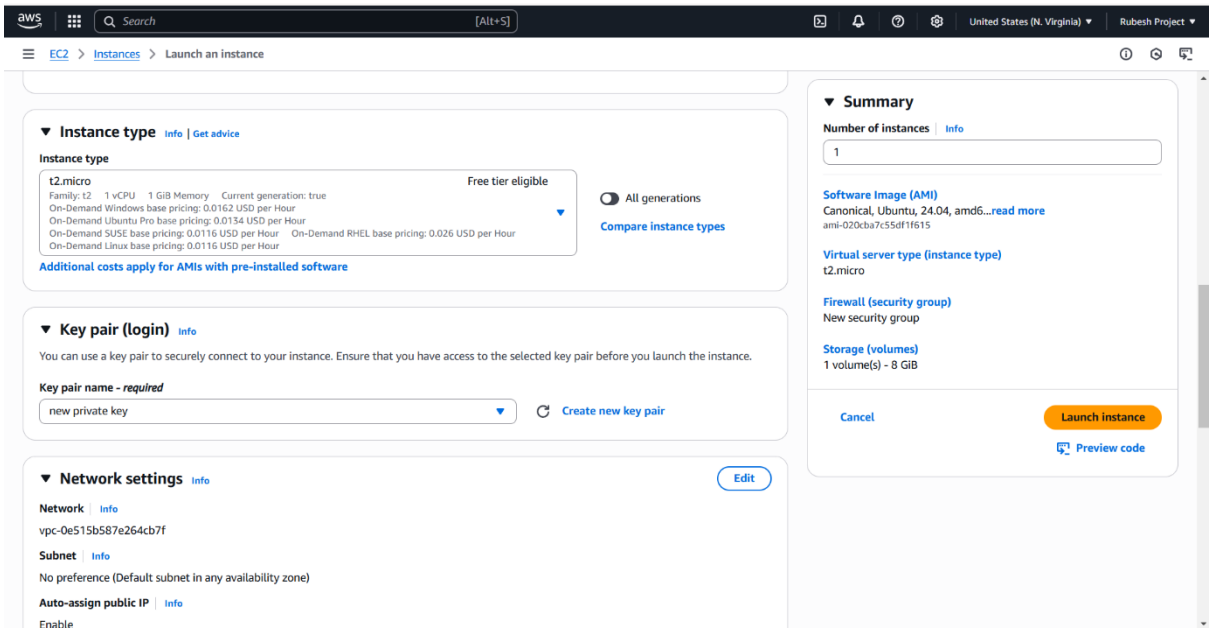
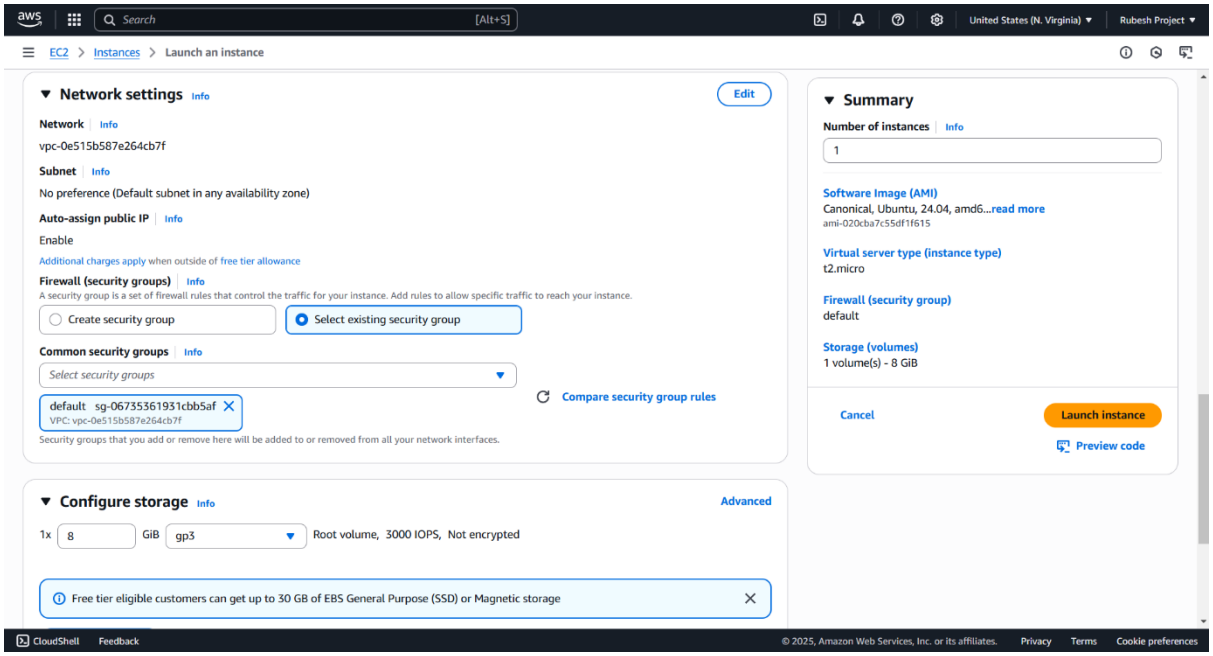

Search [Alt+S]
United States (N. Virginia)
Rubesh Project
EC2 > Instances > Launch an instance
Instance type Info | Get advice
Instance type
t2.micro
Free tier eligible
Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand Ubuntu Pro base pricing: 0.0134 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour On-Demand RHEL base pricing: 0.026 USD per Hour
On-Demand Linux base pricing: 0.0116 USD per Hour
All generations
Compare instance types
Additional costs apply for AMIs with pre-installed software
Key pair (login) Info
You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.
Key pair name - required
new private key
Create new key pair
Network settings Info
Edit
Network Info
vpc-0e515b587e264cb7f
Subnet Info
No preference (Default subnet in any availability zone)
Auto-assign public IP Info
Enable
Summary
Number of instances Info
1
Software Image (AMI)
Canonical, Ubuntu, 24.04, amd6...read more
ami-020cba7c55df1f615
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Cancel
Launch instance
Preview code


Search
[Alt+S]
United States (N. Virginia)
Rubesh Project
EC2 > Instances > Launch an instance
Network settings Info
Edit
Network Info
vpc-0e515b587e264cb7f
Subnet Info
No preference (Default subnet in any availability zone)
Auto-assign public IP Info
Enable
Additional charges apply when outside of free tier allowance
Firewall (security groups) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
Create security group
Select existing security group
Common security groups Info
Select security groups
default sg-06735361931cbb5af
VPC: vpc-0e515b587e264cb7f
Compare security group rules
Security groups that you add or remove here will be added to or removed from all your network interfaces.
Summary
Number of instances Info
1
Software Image (AMI)
Canonical, Ubuntu, 24.04, amd6...read more
ami-020cba7c55df1f615
Virtual server type (instance type)
t2.micro
Firewall (security group)
default
Storage (volumes)
1 volume(s) - 8 GiB
Cancel
Launch instance
Preview code
Configure storage Info
Advanced
1x
8
GiB
gp3
Root volume, 3000 IOPS, Not encrypted
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage
CloudShell
Feedback
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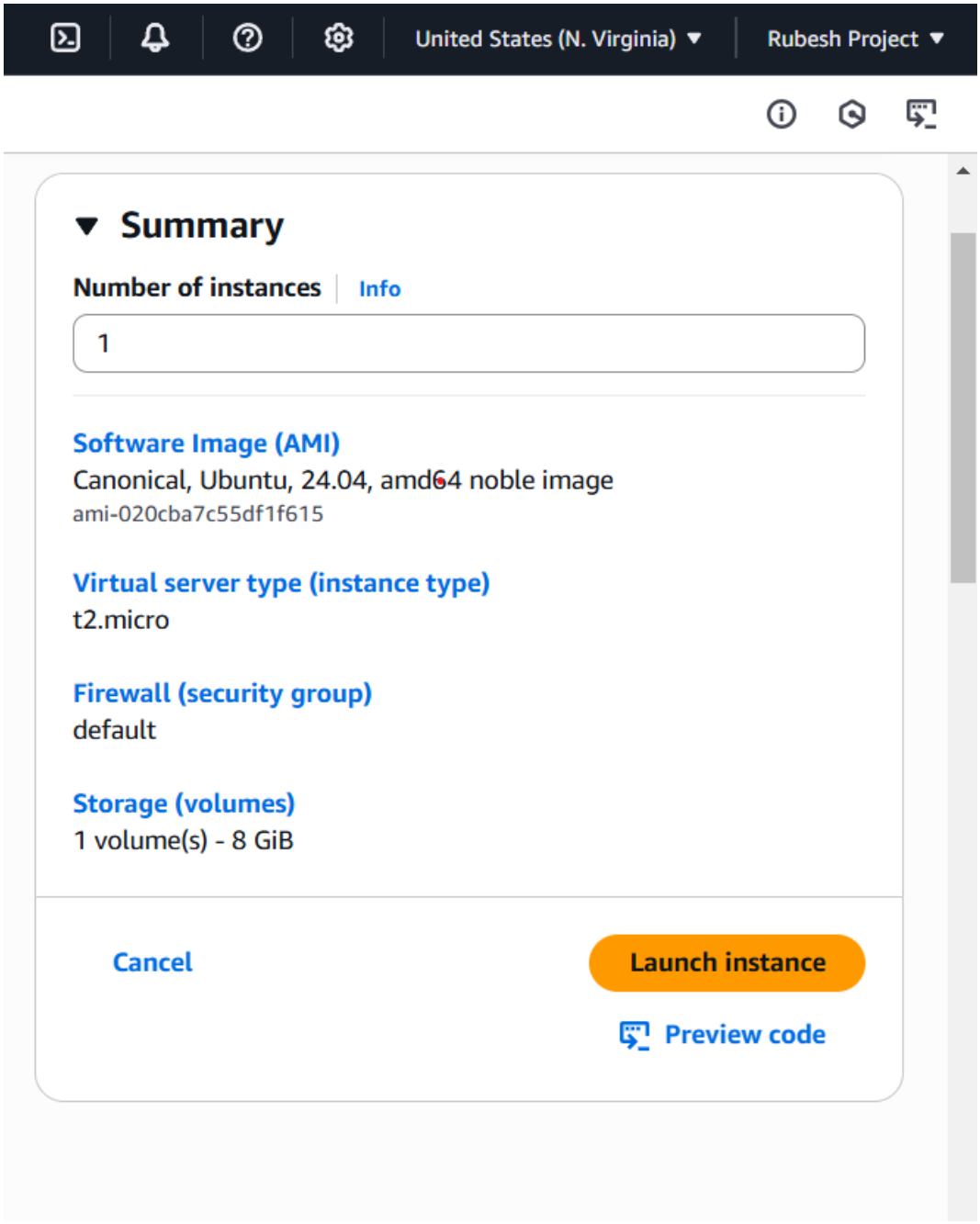
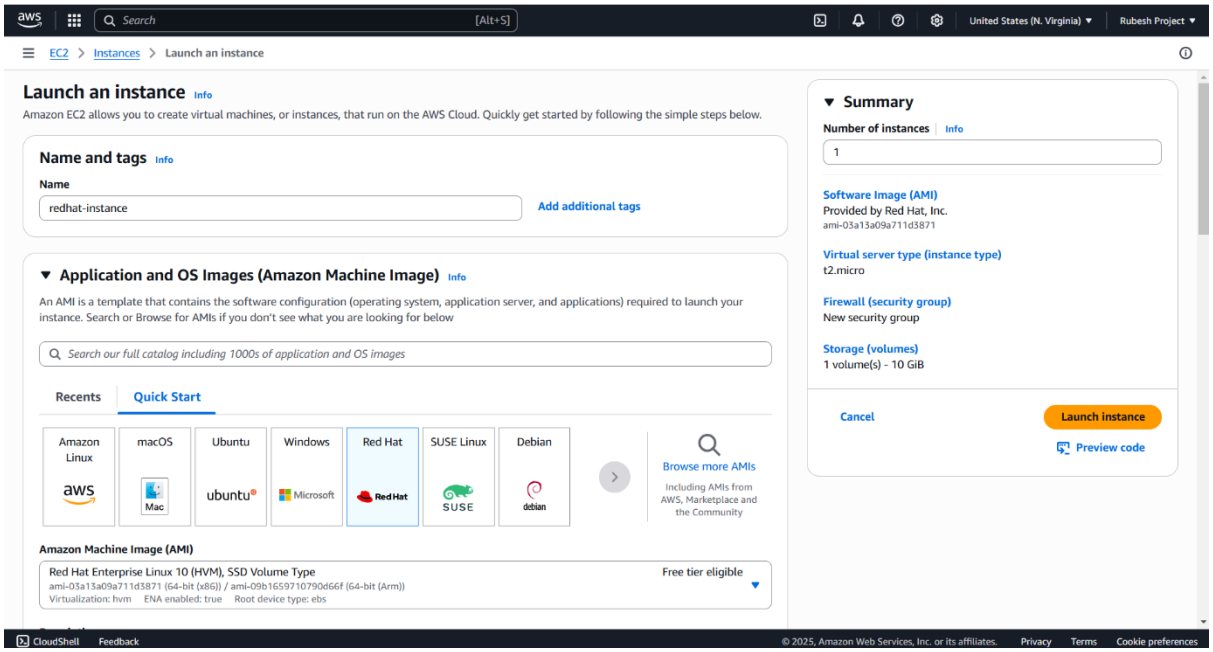

United States (N. Virginia)
Rubesh Project
Summary
Number of instances
Info
1
Software Image (AMI)
Canonical, Ubuntu, 24.04, amd64 noble image
ami-020cba7c55df1f615
Virtual server type (instance type)
t2.micro
Firewall (security group)
default
Storage (volumes)
1 volume(s) - 8 GiB
Cancel
Launch instance
Preview code


Search [Alt+S]
United States (N. Virginia)
Rubesh Project
EC2 > Instances > Launch an instance
Launch an instance Info
Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.
Name and tags Info
Name
redhat-instance
Add additional tags
Application and OS Images (Amazon Machine Image) Info
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below
Search our full catalog including 1000s of application and OS images
Recents
Quick Start
Amazon Linux
macOS
Ubuntu
Windows
Red Hat
SUSE Linux
Debian
Browse more AMIs
Including AMIs from AWS, Marketplace and the Community
Amazon Machine Image (AMI)
Red Hat Enterprise Linux 10 (HVM), SSD Volume Type
Free tier eligible
ami-03a13a09a711d3871 (64-bit (x86)) / ami-09b165971079od66f (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs
Summary
Number of instances Info
1
Software Image (AMI)
Provided by Red Hat, Inc.
ami-03a13a09a711d3871
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 10 GiB
Cancel
Launch instance
Preview code
CloudShell
Feedback
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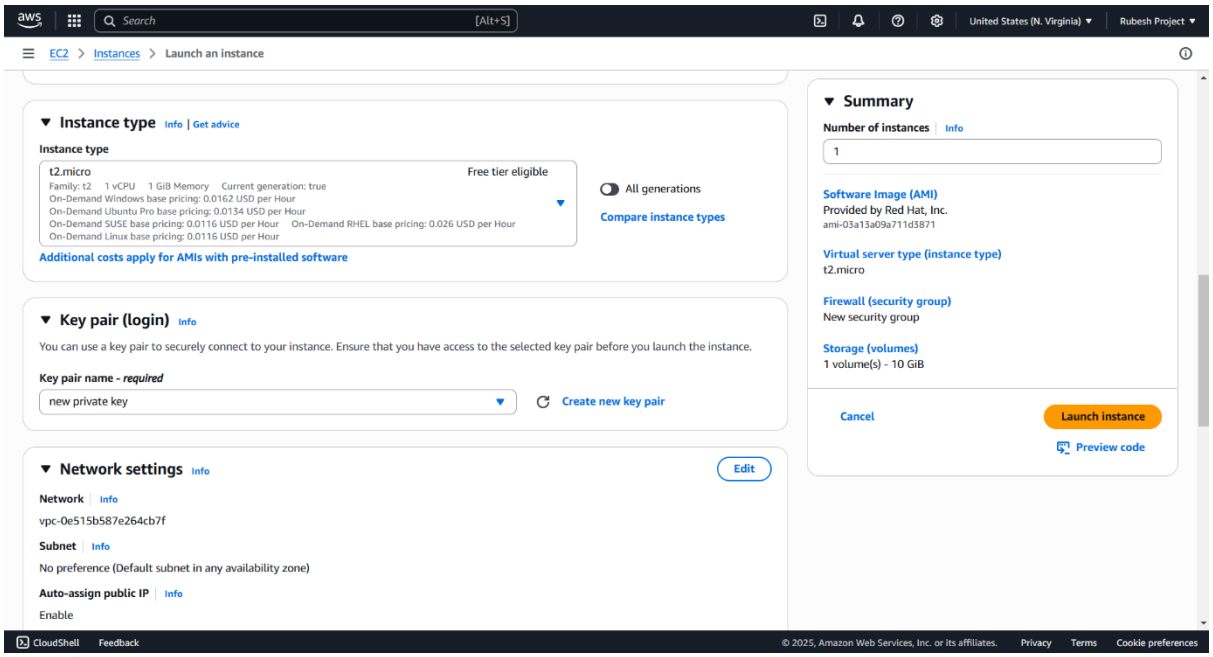
Search [Alt+S]
United States (N. Virginia)
Rubesh Project
EC2 > Instances > Launch an instance
Instance type Info | Get advice
Instance type
t2.micro
Free tier eligible
Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand Ubuntu Pro base pricing: 0.0134 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour On-Demand RHEL base pricing: 0.026 USD per Hour
On-Demand Linux base pricing: 0.0116 USD per Hour
All generations
Compare instance types
Additional costs apply for AMIs with pre-installed software
Key pair (login) Info
You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.
Key pair name - required
new private key
Create new key pair
Network settings Info
Edit
Network Info
vpc-0e515b587e264cb7f
Subnet Info
No preference (Default subnet in any availability zone)
Auto-assign public IP Info
Enable
Summary
Number of instances Info
1
Software Image (AMI)
Provided by Red Hat, Inc.
ami-03a13a09a711d3871
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 10 GiB
Cancel
Launch instance
Preview code
CloudShell
Feedback
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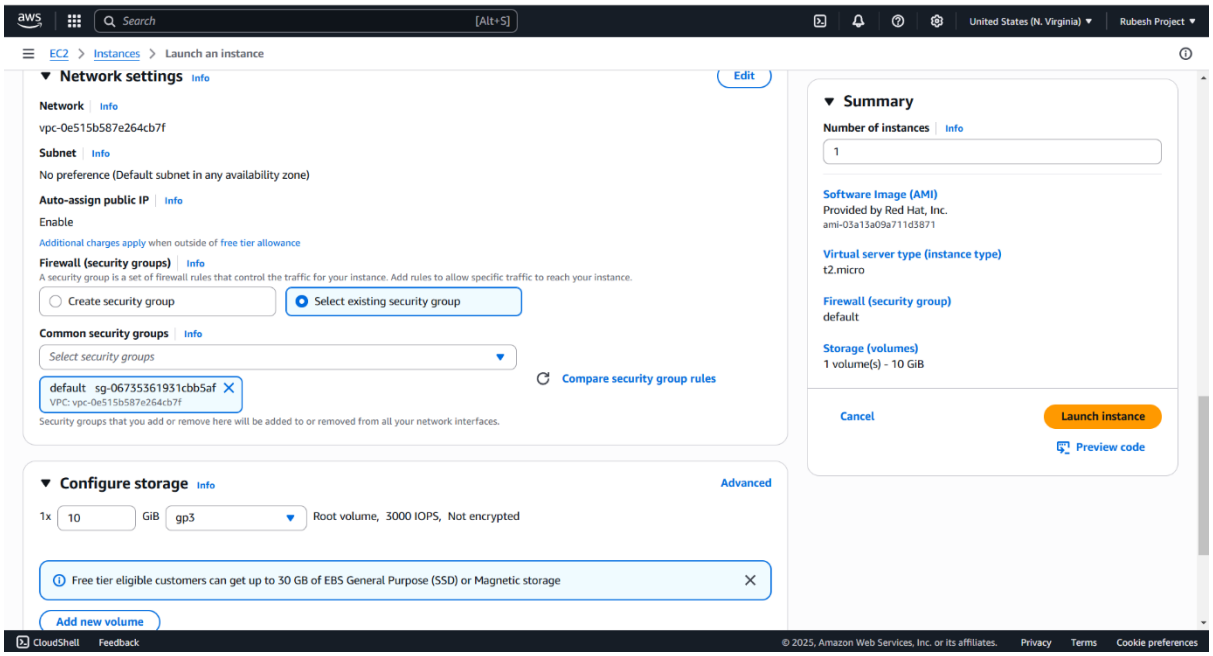
aws
Search
[Alt+S]
United States (N. Virginia)
Rubesh Project
EC2 > Instances > Launch an instance
Network settings Info
Edit
Network Info
vpc-0e515b587e264cb7f
Subnet Info
No preference (Default subnet in any availability zone)
Auto-assign public IP Info
Enable
Additional charges apply when outside of free tier allowance
Firewall (security groups) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
Create security group
Select existing security group
Common security groups Info
Select security groups
default sg-06735361931cbb5af
VPC: vpc-0e515b587e264cb7f
Compare security group rules
Security groups that you add or remove here will be added to or removed from all your network interfaces.
Configure storage Info
Advanced
1x 10 GiB gp3 Root volume, 3000 IOPS, Not encrypted
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage
Add new volume
Summary
Number of instances Info
1
Software Image (AMI)
Provided by Red Hat, Inc.
ami-03a13a09a711d3871
Virtual server type (instance type)
t2.micro
Firewall (security group)
default
Storage (volumes)
1 volume(s) - 10 GiB
Cancel
Launch instance
Preview code
CloudShell
Feedback
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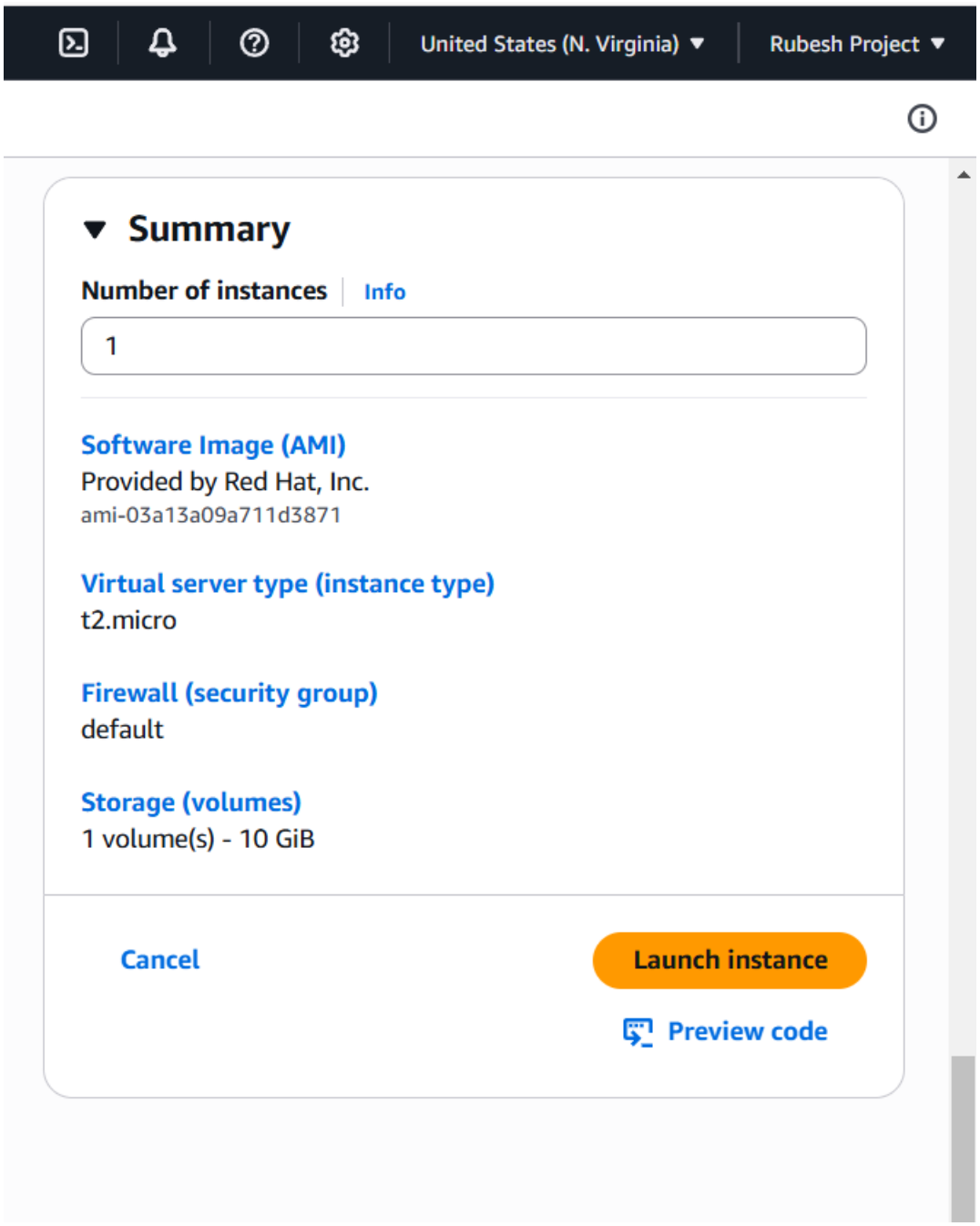
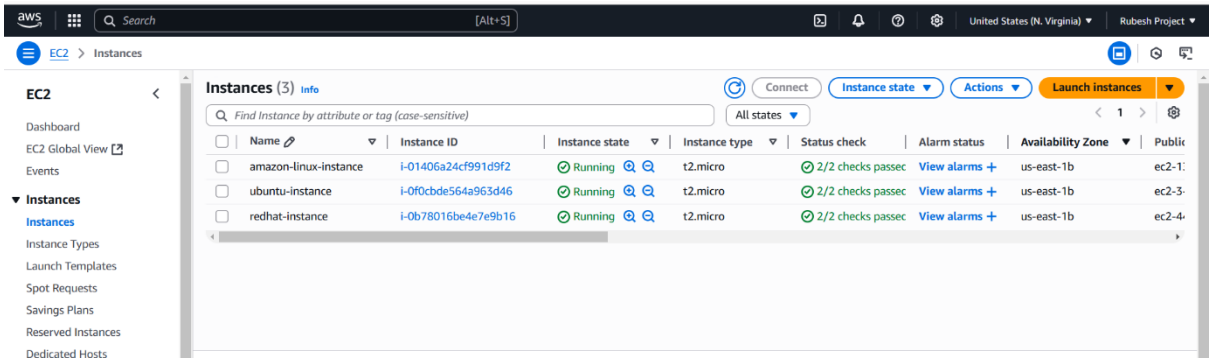
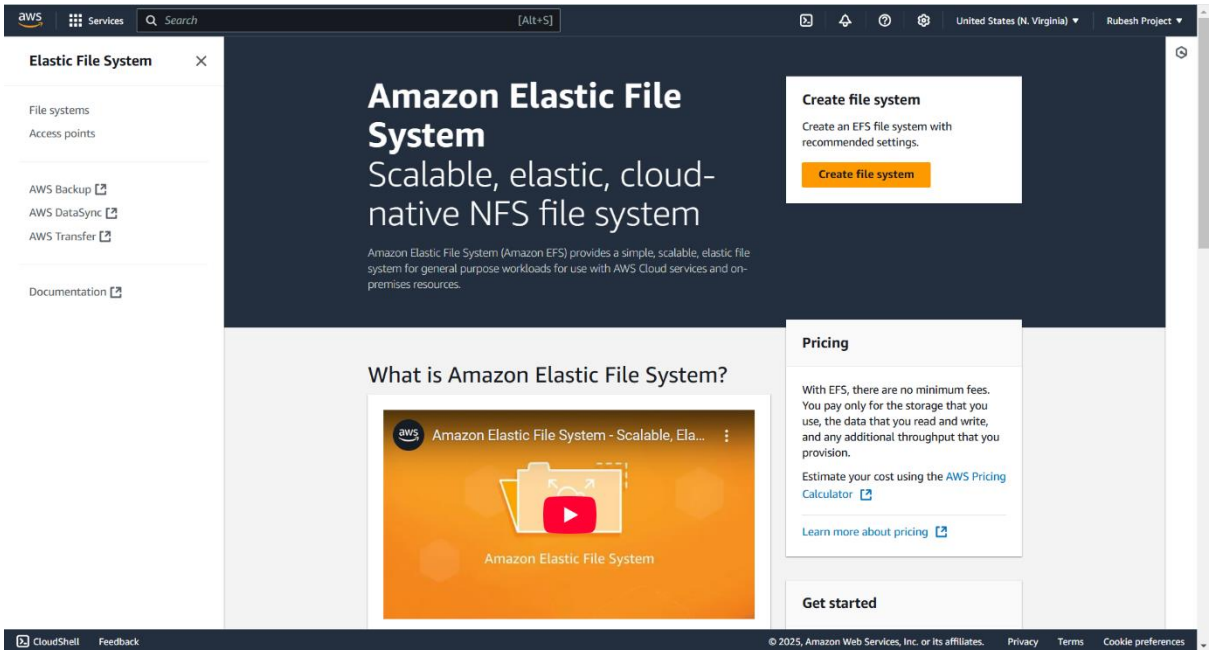

United States (N. Virginia)
Rubesh Project
Summary
Number of instances
Info
1
Software Image (AMI)
Provided by Red Hat, Inc.
ami-03a13a09a711d3871
Virtual server type (instance type)
t2.micro
Firewall (security group)
default
Storage (volumes)
1 volume(s) - 10 GiB
Cancel
Launch instance
Preview code


Search
[Alt+S]
United States (N. Virginia)
Rubesh Project
EC2
Instances
Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Instances (3) Info
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
amazon-linux-instance
i-01406a24cf991d9f2
Running
t2.micro
2/2 checks passec
View alarms
us-east-1b
ubuntu-instance
i-0f0cbde564a963d46
Running
t2.micro
2/2 checks passec
View alarms
us-east-1b
redhat-instance
i-0b78016be4e7e9b16
Running
t2.micro
2/2 checks passec
View alarms
us-east-1b



Create file system

Create a file system with the recommended settings shown below by choosing Create file system. To view all settings or to customize your file system, choose Customize. Learn more

Name - *optional*

Name your file system.

multi-os-efs

Name can include letters, numbers, and +-=._:/ symbols, up to 256 characters.

Virtual Private Cloud (VPC)

Choose the VPC where you want EC2 instances to connect to your file system.

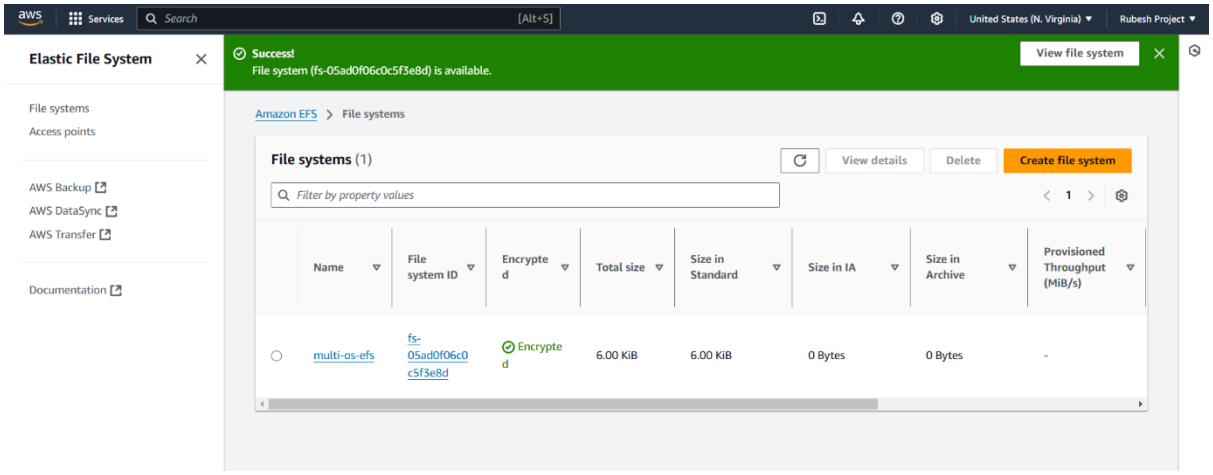
vpc-0e515b587e264cb7f
default

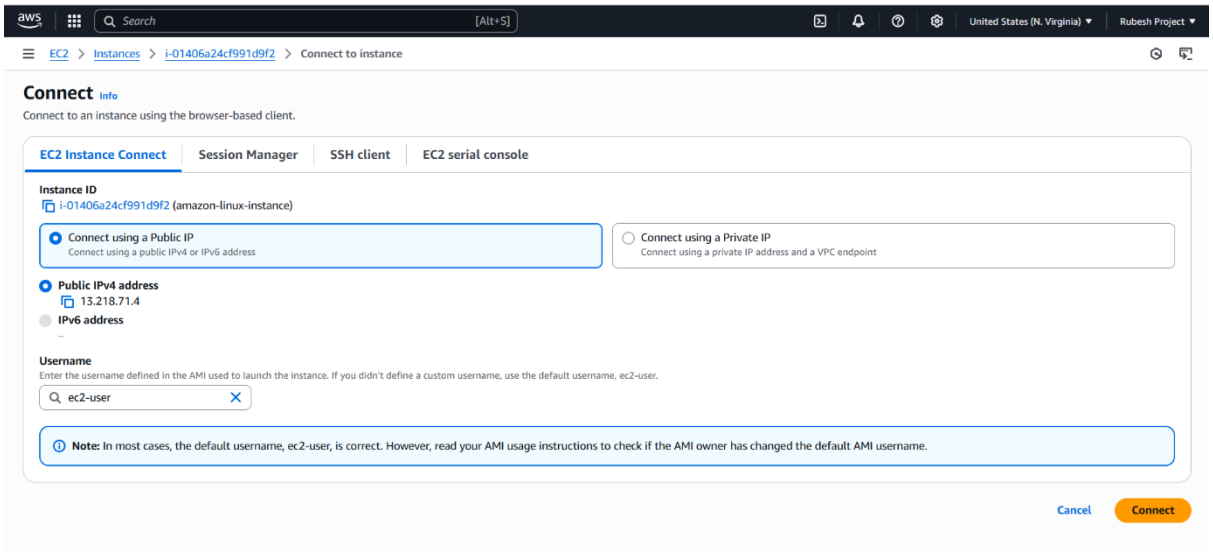
Recommended settings

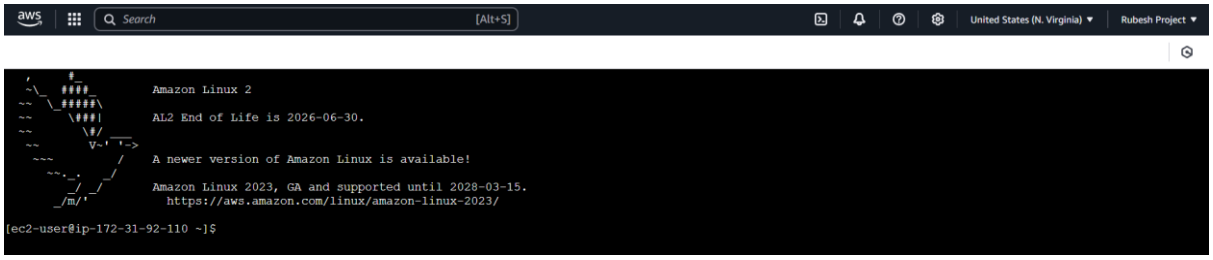
Your file system is created with the following recommended settings unless you choose to customize the file system. You will be charged for storage and throughput. We recommend reviewing pricing for these features using the AWS Pricing Calculator.

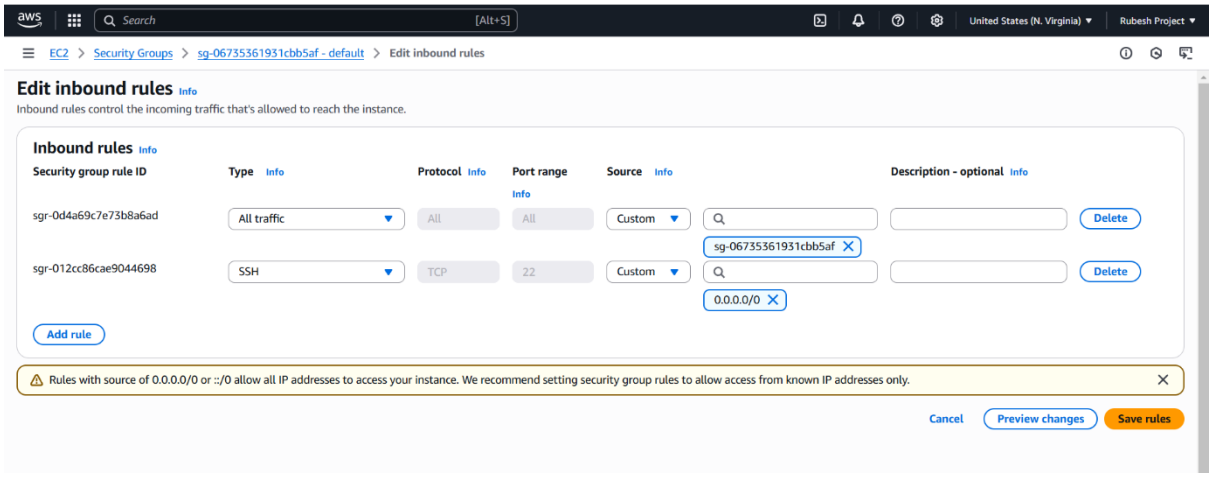
Setting	Value	Editable after creation
Throughput mode Learn more	Elastic	Yes
Transition into Infrequent Access (IA)	30 day(s) since last access	Yes
Transition into Archive	90 day(s) since last access	Yes
Transition into Standard	None	Yes
Automatic backups	Enabled	Yes
Encryption	Enabled	No

Cancel | Customize | Create file system

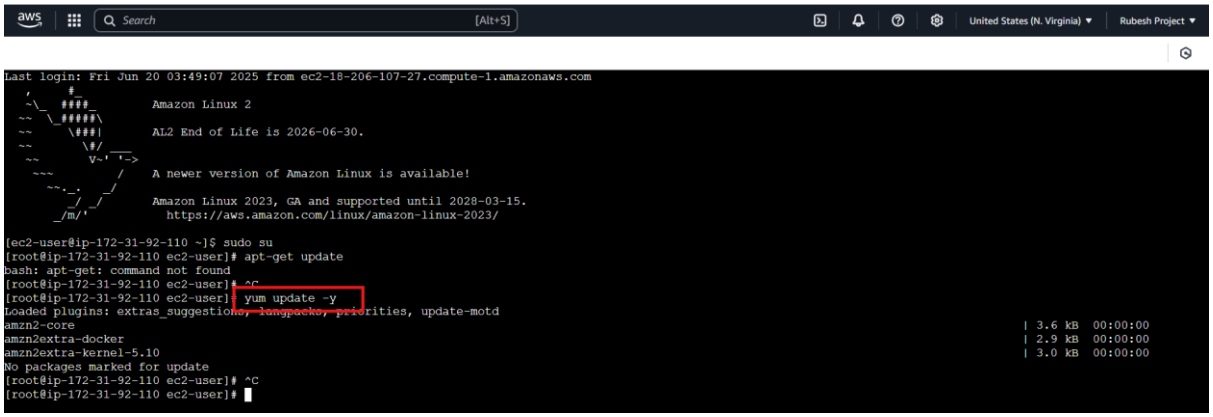

Services
Search
[Alt+S]
United States (N. Virginia)
Rubesh Project
Elastic File System
File systems
Access points
AWS Backup
AWS DataSync
AWS Transfer
Documentation
Success!
File system (fs-05ad0f06c0c5f3e8d) is available.
View file system
Amazon EFS > File systems
File systems (1)
View details
Delete
Create file system
Filter by property values
Name
File system ID
Encrypted
Total size
Size in Standard
Size in IA
Size in Archive
Provisioned Throughput (MiB/s)
multi-os-efs
fs-05ad0f06c0c5f3e8d
Encrypted
6.00 KiB
6.00 KiB
0 Bytes
0 Bytes
-


Search
[Alt+S]
United States (N. Virginia)
Rubesh Project
EC2 > Instances > i-01406a24cf991d9f2 > Connect to instance
Connect Info
Connect to an instance using the browser-based client.
EC2 Instance Connect
Session Manager
SSH client
EC2 serial console
Instance ID
i-01406a24cf991d9f2 (amazon-linux-instance)
Connect using a Public IP
Connect using a public IPv4 or IPv6 address
Connect using a Private IP
Connect using a private IP address and a VPC endpoint
Public IPv4 address
13.218.71.4
IPv6 address
Username
Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ec2-user.
ec2-user
Note: In most cases, the default username, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.
Cancel
Connect

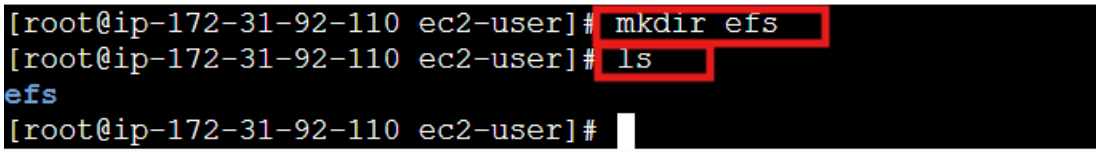

Search
[Alt+S]
United States (N. Virginia)
Rubesh Project
Amazon Linux 2
AL2 End of Life is 2026-06-30.
A newer version of Amazon Linux is available!
Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/
[ec2-user@ip-172-31-92-110 ~]$

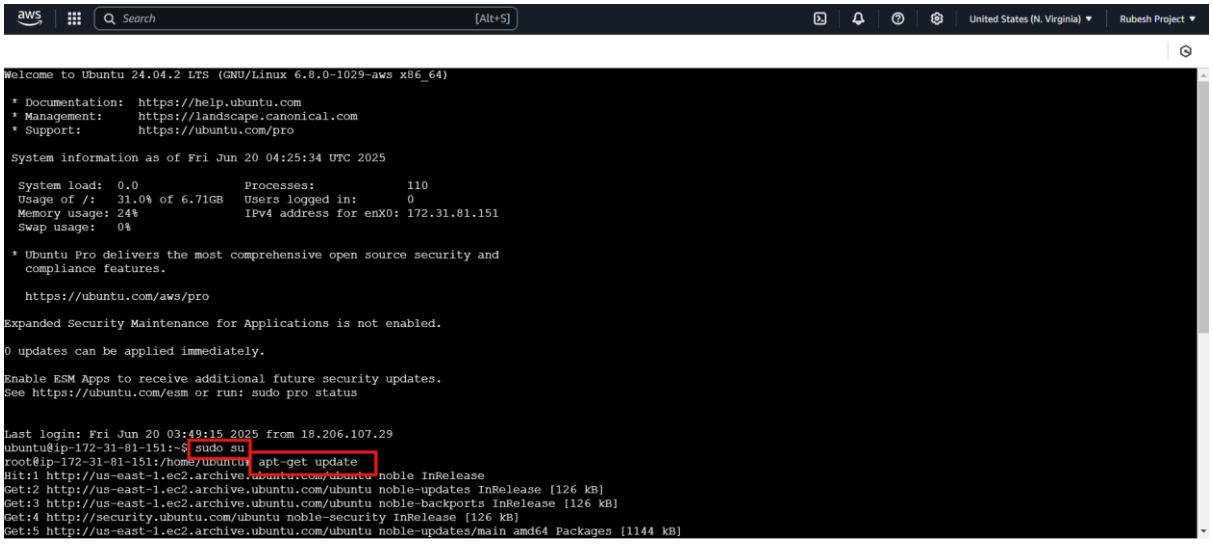

Search
[Alt+S]
United States (N. Virginia)
Rubesh Project
EC2 > Security Groups > sg-06735361931cbb5af - default > Edit inbound rules
Edit inbound rules Info
Inbound rules control the incoming traffic that's allowed to reach the instance.
Inbound rules Info
Security group rule ID
Type Info
Protocol Info
Port range Info
Source Info
Description - optional Info
sgr-0d4a69c7e73b8a6ad
All traffic
All
All
Custom
sg-06735361931cbb5af
Delete
sgr-012cc86cae9044698
SSH
TCP
22
Custom
0.0.0.0/0
Delete
Add rule
Rules with source of 0.0.0.0/0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.
Cancel
Preview changes
Save rules

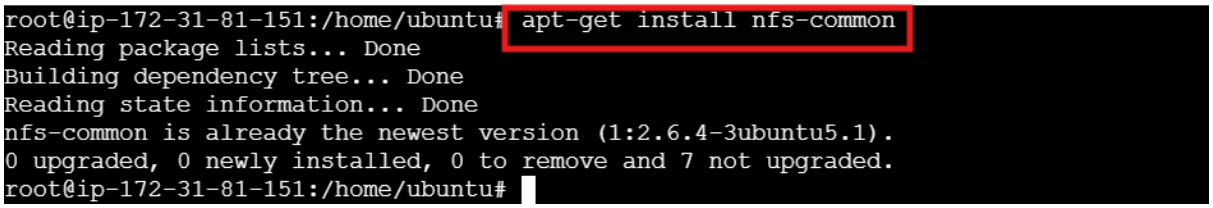

Search [Alt+S]
United States (N. Virginia)
Rubesh Project
Last login: Thu Jun 19 05:18:26 2025 from ec2-18-206-107-29.compute-1.amazonaws.com
Amazon Linux 2
AL2 End of Life is 2026-06-30.
A newer version of Amazon Linux is available!
Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/
[ec2-user@ip-172-31-92-110 ~]$ sudo su
[root@ip-172-31-92-110 ec2-user]#


Search [Alt+S]
United States (N. Virginia)
Rubesh Project
Last login: Fri Jun 20 03:49:07 2025 from ec2-18-206-107-27.compute-1.amazonaws.com
Amazon Linux 2
AL2 End of Life is 2026-06-30.
A newer version of Amazon Linux is available!
Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/
[ec2-user@ip-172-31-92-110 ~]$ sudo su
[root@ip-172-31-92-110 ec2-user]# apt-get update
bash: apt-get: command not found
[root@ip-172-31-92-110 ec2-user]# ^C
[root@ip-172-31-92-110 ec2-user]# yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.6 kB 00:00:00
amzn2extra-docker | 2.9 kB 00:00:00
amzn2extra-kernel-5.10 | 3.0 kB 00:00:00
No packages marked for update
[root@ip-172-31-92-110 ec2-user]# ^C
[root@ip-172-31-92-110 ec2-user]#


[root@ip-172-31-92-110 ec2-user]# yum install -y nfs-utils
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.6 kB 00:00:00
Package 1:nfs-utils-1.3.0-0.54.amzn2.0.2.x86_64 already installed and latest version
Nothing to do
[root@ip-172-31-92-110 ec2-user]#


[root@ip-172-31-92-110 ec2-user]# mkdir efs
[root@ip-172-31-92-110 ec2-user]# ls
efs
[root@ip-172-31-92-110 ec2-user]#


Search [Alt+S]
United States (N. Virginia)
Rubesh Project
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1029-aws x86_64)
* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/pro
System information as of Fri Jun 20 04:25:34 UTC 2025
System load: 0.0
Usage of /: 31.0% of 6.71GB
Memory usage: 24%
Swap usage: 0%
Processes: 110
Users logged in: 0
IPv4 address for enX0: 172.31.81.151
* Ubuntu Pro delivers the most comprehensive open source security and compliance features.
https://ubuntu.com/aws/pro
Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
Last login: Fri Jun 20 03:49:15 2025 from 18.206.107.29
ubuntu@ip-172-31-81-151:~$ sudo su
root@ip-172-31-81-151:/home/ubuntu# apt-get update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1144 kB]

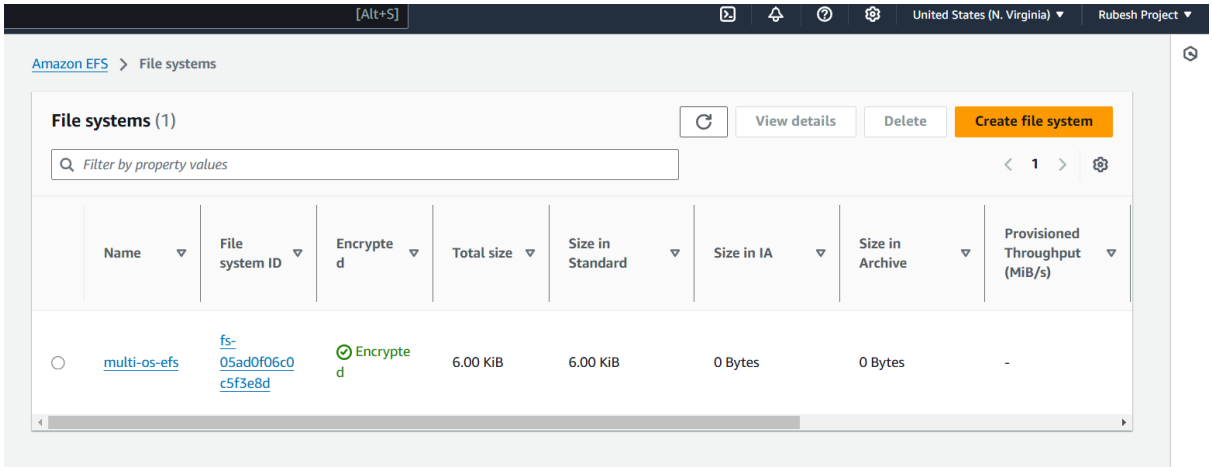

root@ip-172-31-81-151:/home/ubuntu# apt-get install nfs-common
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nfs-common is already the newest version (1:2.6.4-3ubuntu5.1).
0 upgraded, 0 newly installed, 0 to remove and 7 not upgraded.
root@ip-172-31-81-151:/home/ubuntu#

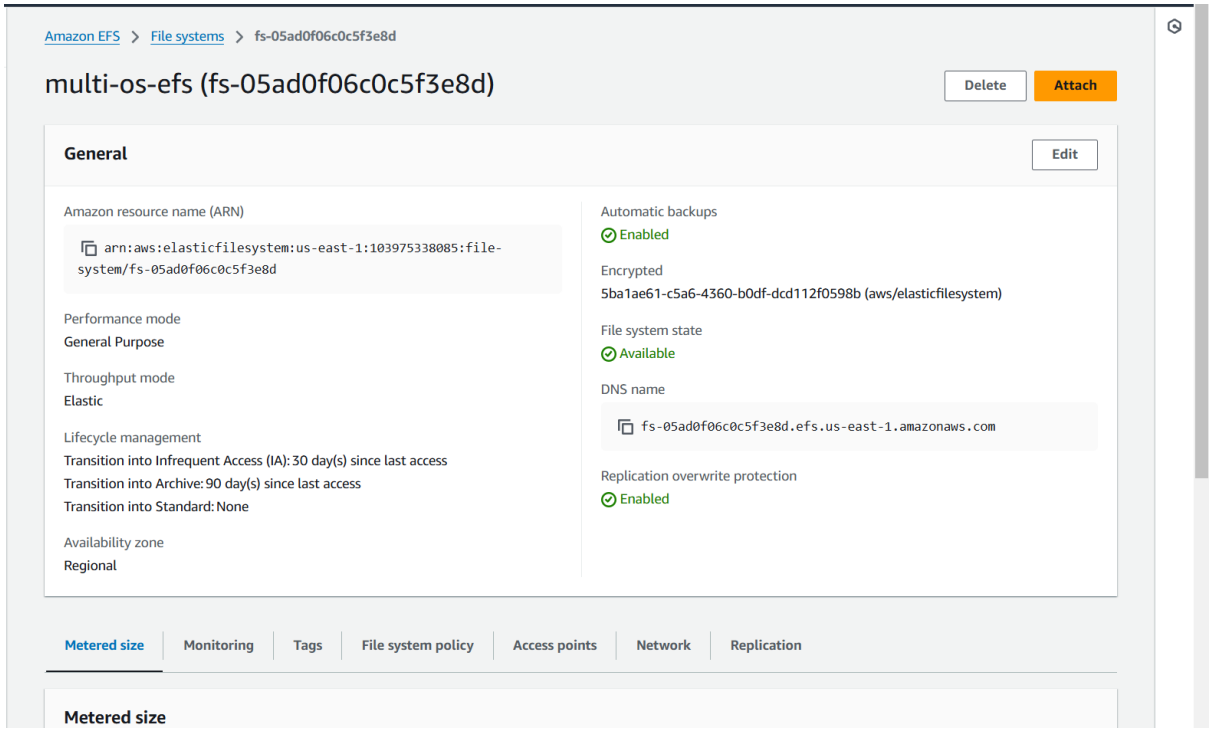
```
root@ip-172-31-81-151:/home/ubuntu# mkdir efs2
root@ip-172-31-81-151:/home/ubuntu# ls
efs2
root@ip-172-31-81-151:/home/ubuntu#
```

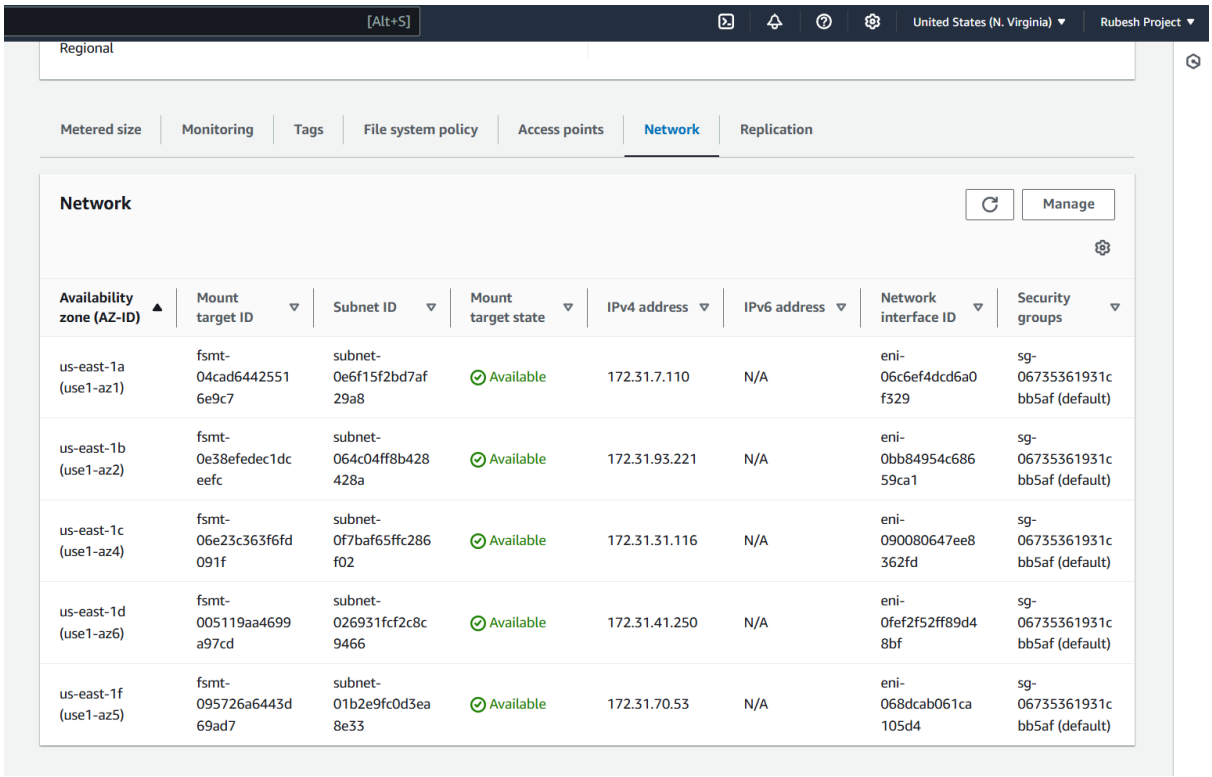
```
ec2-user@ip-172-31-88-51:~
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\devop> cd downloads
PS C:\Users\devop\downloads> ssh -i "rubesh-key.pem" ec2-user@13.221.68.208
Register this system with Red Hat Insights: rhc connect

Example:
# rhc connect --activation-key <key> --organization <org>

The rhc client and Red Hat Insights will enable analytics and additional
management capabilities on your system.
View your connected systems at https://console.redhat.com/insights

You can learn more about how to register your system
using rhc at https://red.ht/registration
Last login: Wed Jun 18 08:45:17 2025 from 117.221.209.122
[ec2-user@ip-172-31-88-51 ~]$
```

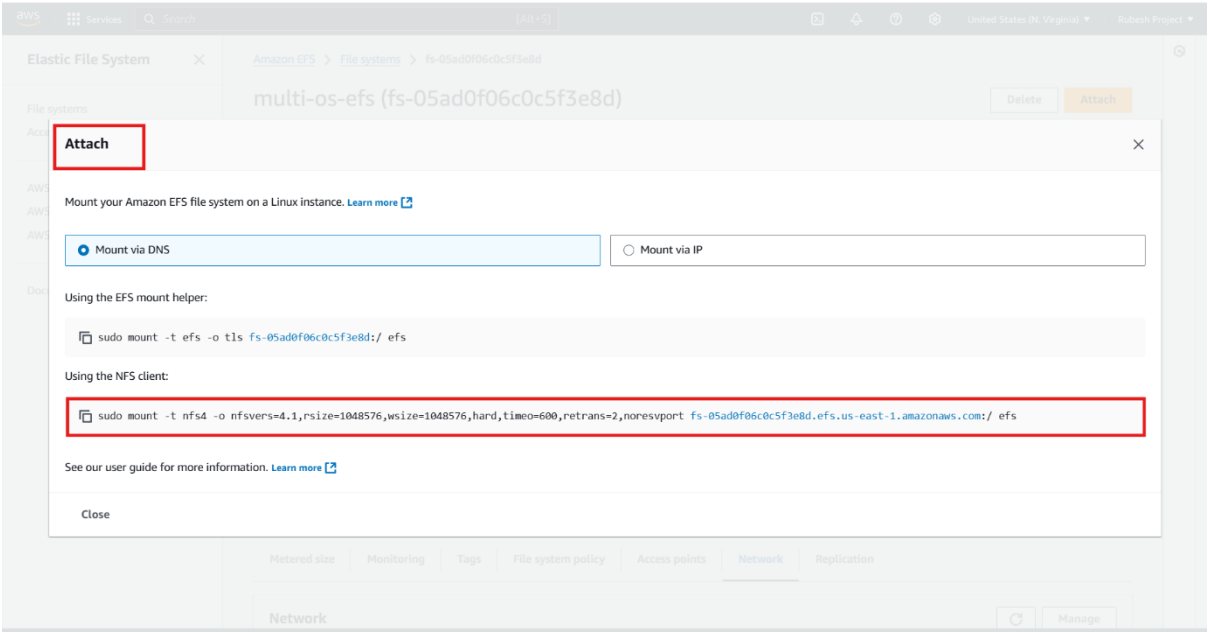
```
[ec2-user@ip-172-31-88-51 ~]$ sudo su
[root@ip-172-31-88-51 ec2-user]# yum install -y nfs-utils
Updating Subscription Management repositories.
Unable to read consumer identity

This system is not registered with an entitlement server. You can use "rhc" or "subscription-manager" to register.

Last metadata expiration check: 0:40:20 ago on Fri Jun 20 05:03:56 2025.
Package nfs-utils-1:2.8.2-3.el10.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-88-51 ec2-user]#
```

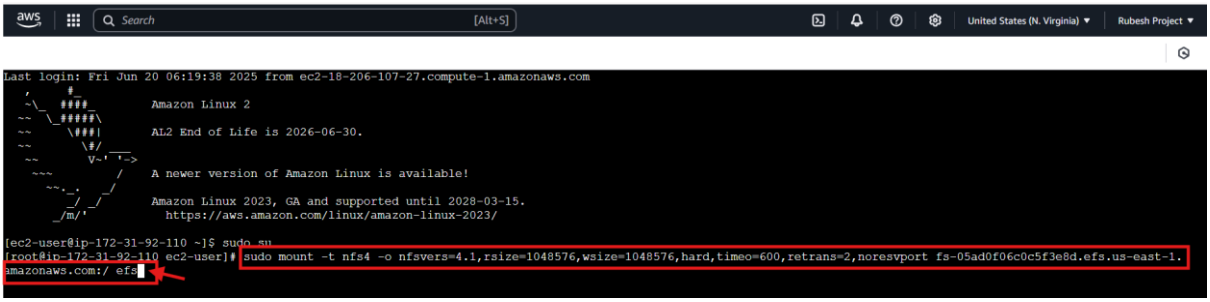
```
[root@ip-172-31-88-51 ec2-user]# mkdir efs3
[root@ip-172-31-88-51 ec2-user]# ls
efs3
[root@ip-172-31-88-51 ec2-user]#
```

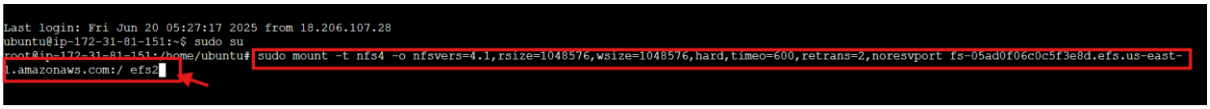


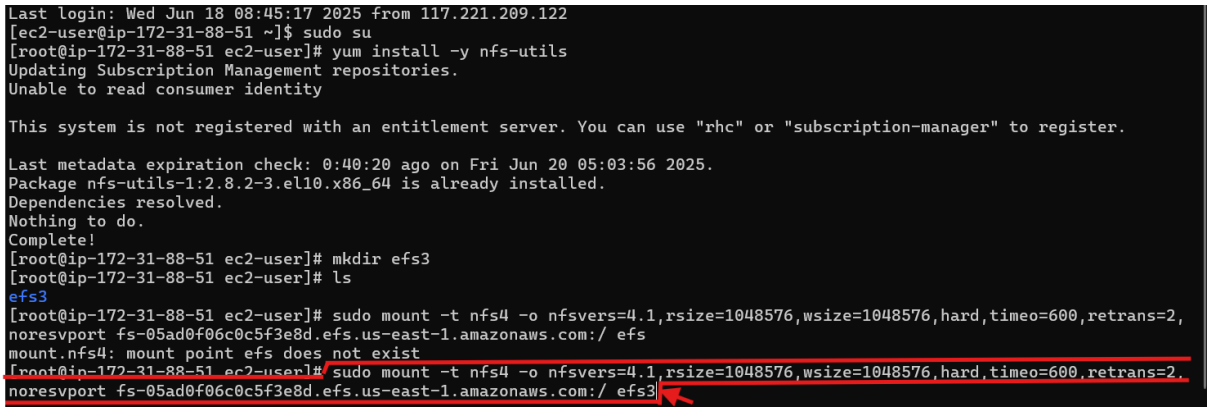

Amazon EFS > File systems > fs-05ad0f06c0c5f3e8d
multi-os-efs (fs-05ad0f06c0c5f3e8d)
Delete
Attach
General
Edit
Amazon resource name (ARN)
arn:aws:elasticfilesystem:us-east-1:103975338085:file-system/fs-05ad0f06c0c5f3e8d
Performance mode
General Purpose
Throughput mode
Elastic
Lifecycle management
Transition into Infrequent Access (IA): 30 day(s) since last access
Transition into Archive: 90 day(s) since last access
Transition into Standard: None
Availability zone
Regional
Automatic backups
Enabled
Encrypted
5ba1ae61-c5a6-4360-b0df-dcd112f0598b (aws/elasticfilesystem)
File system state
Available
DNS name
fs-05ad0f06c0c5f3e8d.efs.us-east-1.amazonaws.com
Replication overwrite protection
Enabled
Metered size
Monitoring
Tags
File system policy
Access points
Network
Replication
Metered size

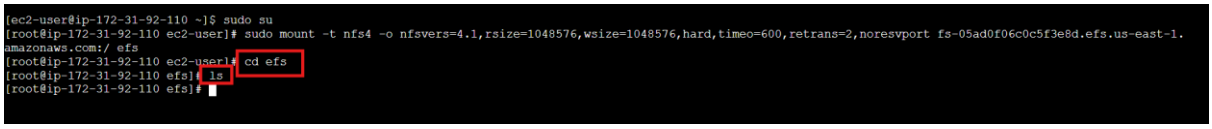

[Alt+S]
United States (N. Virginia)
Rubesh Project
Regional
Metered size
Monitoring
Tags
File system policy
Access points
Network
Replication
Network
Manage
Availability zone (AZ-ID)
Mount target ID
Subnet ID
Mount target state
IPv4 address
IPv6 address
Network interface ID
Security groups
us-east-1a (use1-az1)
fsmt-04cad64425516e9c7
subnet-0e6f15f2bd7af29a8
Available
172.31.7.110
N/A
eni-06c6ef4dcd6a0f329
sg-06735361931cbb5af (default)
us-east-1b (use1-az2)
fsmt-0e38efedec1dceefc
subnet-064c04ff8b428428a
Available
172.31.93.221
N/A
eni-0bb84954c68659ca1
sg-06735361931cbb5af (default)
us-east-1c (use1-az4)
fsmt-06e23c363f6fd091f
subnet-0f7baf65ffc286f02
Available
172.31.31.116
N/A
eni-090080647ee8362fd
sg-06735361931cbb5af (default)
us-east-1d (use1-az6)
fsmt-005119aa4699a97cd
subnet-026931fcf2c8c9466
Available
172.31.41.250
N/A
eni-0fef2f52ff89d48bf
sg-06735361931cbb5af (default)
us-east-1f (use1-az5)
fsmt-095726a6443d69ad7
subnet-01b2e9fc0d3ea8e33
Available
172.31.70.53
N/A
eni-068dcab061ca105d4
sg-06735361931cbb5af (default)

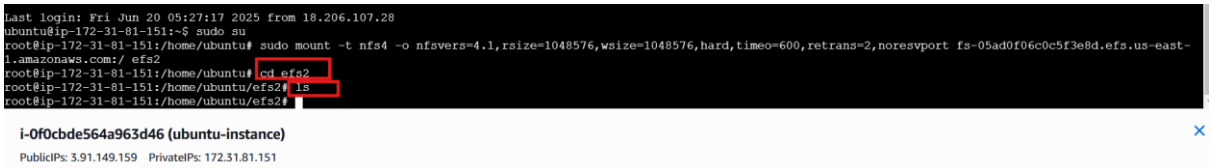

Elastic File System
multi-os-efs (fs-05ad0f06c0c5f3e8d)
Delete
Attach
Attach
Mount your Amazon EFS file system on a Linux instance. Learn more
Mount via DNS
Mount via IP
Using the EFS mount helper:
sudo mount -t efs -o tls fs-05ad0f06c0c5f3e8d:/ efs
Using the NFS client:
sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-05ad0f06c0c5f3e8d.efs.us-east-1.amazonaws.com:/ efs
See our user guide for more information. Learn more
Close
Network
Manage


aws
Search
[Alt+S]
United States (N. Virginia)
Rubesh Project
Last login: Fri Jun 20 06:19:38 2025 from ec2-18-206-107-27.compute-1.amazonaws.com
Amazon Linux 2
AL2 End of Life is 2026-06-30.
A newer version of Amazon Linux is available!
Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/
[ec2-user@ip-172-31-92-110 ~]$ sudo su
[root@ip-172-31-92-110 ec2-user]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-05ad0f06c0c5f3e8d.efs.us-east-1.
amazonaws.com:/ efs


Last login: Fri Jun 20 05:27:17 2025 from 18.206.107.28
ubuntu@ip-172-31-81-151:~$ sudo su
root@ip-172-31-81-151:/home/ubuntu# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-05ad0f06c0c5f3e8d.efs.us-east-
1.amazonaws.com:/ efs2


Last login: Wed Jun 18 08:45:17 2025 from 117.221.209.122
[ec2-user@ip-172-31-88-51 ~]$ sudo su
[root@ip-172-31-88-51 ec2-user]# yum install -y nfs-utils
Updating Subscription Management repositories.
Unable to read consumer identity
This system is not registered with an entitlement server. You can use "rhc" or "subscription-manager" to register.
Last metadata expiration check: 0:40:20 ago on Fri Jun 20 05:03:56 2025.
Package nfs-utils-1:2.8.2-3.el10.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-88-51 ec2-user]# mkdir efs3
[root@ip-172-31-88-51 ec2-user]# ls
efs3
[root@ip-172-31-88-51 ec2-user]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,
noresvport fs-05ad0f06c0c5f3e8d.efs.us-east-1.amazonaws.com:/ efs
mount.nfs4: mount point efs does not exist
[root@ip-172-31-88-51 ec2-user]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,
noresvport fs-05ad0f06c0c5f3e8d.efs.us-east-1.amazonaws.com:/ efs3


[ec2-user@ip-172-31-92-110 ~]$ sudo su
[root@ip-172-31-92-110 ec2-user]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-05ad0f06c0c5f3e8d.efs.us-east-1.
amazonaws.com:/ efs
[root@ip-172-31-92-110 ec2-user]# cd efs
[root@ip-172-31-92-110 efs]# ls
[root@ip-172-31-92-110 efs]#


Last login: Fri Jun 20 05:27:17 2025 from 18.206.107.28
ubuntu@ip-172-31-81-151:~$ sudo su
root@ip-172-31-81-151:/home/ubuntu# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-05ad0f06c0c5f3e8d.efs.us-east-
1.amazonaws.com:/ efs2
root@ip-172-31-81-151:/home/ubuntu# cd efs2
root@ip-172-31-81-151:/home/ubuntu/efs2# ls
root@ip-172-31-81-151:/home/ubuntu/efs2#

i-0f0cbde564a963d46 (ubuntu-instance)
PublicIPs: 3.91.149.159 PrivateIPs: 172.31.81.151

```
[root@ip-172-31-88-51 ec2-user]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,
noresvport fs-05ad0f06c0c5f3e8d.efs.us-east-1.amazonaws.com:/ efs3
[root@ip-172-31-88-51 ec2-user]# cd efs3
[root@ip-172-31-88-51 efs3]# ls
[root@ip-172-31-88-51 efs3]#
```

```
root@ip-172-31-81-151:/home/ubuntu/efs2# nano intellipaat.txt
root@ip-172-31-81-151:/home/ubuntu/efs2#
```

i-0f0cbde564a963d46 (ubuntu-instance)

PublicIPs: 3.91.149.159 PrivateIPs: 172.31.81.151

```
 GNU nano 7.2                                  intellipaat.txt
EFS Sucessfull
```

```
                                [ Read 1 line ]
^G Help          ^O Write Out     ^W Where Is      ^K Cut           ^T Execute       ^C Location      M-U Undo
^X Exit          ^R Read File     ^\ Replace       ^U Paste         ^J Justify       ^/ Go To Line    M-E Redo
```

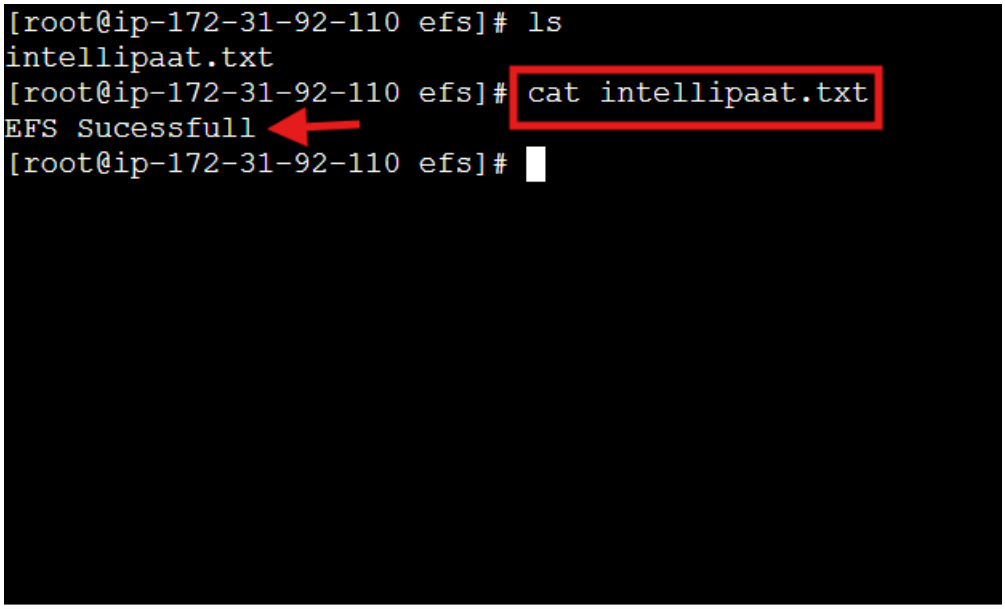
i-0f0cbde564a963d46 (ubuntu-instance)

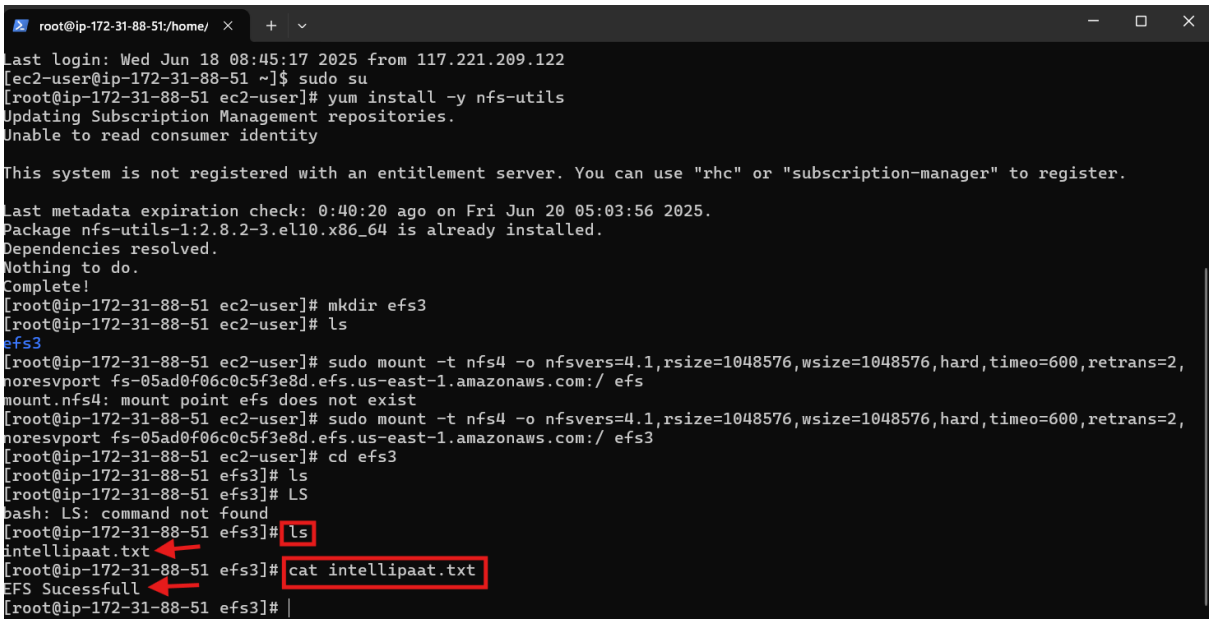
PublicIPs: 3.91.149.159 PrivateIPs: 172.31.81.151

```
[root@ip-172-31-92-110 efs]# ls
intellipaat.txt
[root@ip-172-31-92-110 efs]#
```

i-01406a24cf991d9f2 (amazon-linux-instance)

PublicIPs: 13.218.71.4 PrivateIPs: 172.31.92.110





Submitted by:

Rubesh.P

rubeshselvam6@gmail.com

Devops Architect Master's Training Program