

Gateway options Info

Gateway type

Amazon S3 File Gateway

Store and access objects in Amazon S3 from NFS or SMB file data with local caching.



Amazon FSx File Gateway

Access fully managed file shares in Amazon FSx for Windows File Server using SMB.



Tape Gateway

Store virtual tapes in Amazon S3 using iSCSI-VTL, and store archived tapes in Amazon S3 Glacier Flexible Retrieval or Amazon S3 Glacier Deep Archive.

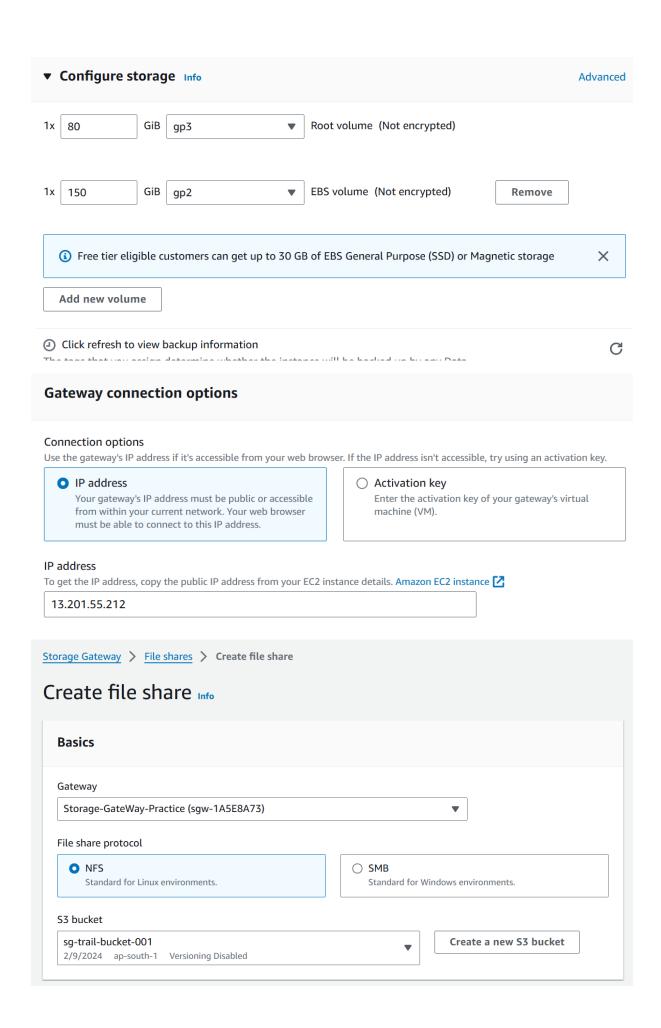


Volume Gateway

Store and access iSCSI block storage volumes in Amazon S3.



Platform options Info Host platform VMware ESXi Microsoft Hyper-V Linux KVM Amazon EC2 Hardware appliance Launch EC2 instance Info Standard Amazon EC2 instance pricing applies. Learn more Use default settings Customize your settings The default settings use an instance type of Customize your settings using the Amazon EC2 launch m5.xlarge, 150 GiB of cache storage, and minimallyinstance wizard. required inbound security ports. 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 Add additional tags SG-TRAIL ▼ 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 ▼ Instance type Info | Get advice Instance type m5.large Family: m5 2 vCPU 8 GiB Memory Current generation: true All generations On-Demand Linux base pricing: 0.101 USD per Hour On-Demand SUSE base pricing: 0.157 USD per Hour Compare instance types On-Demand RHEL base pricing: 0.13 USD per Hour On-Demand Windows base pricing: 0.193 USD per Hour Additional costs apply for AMIs with pre-installed software



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

sg-demo-ON-PREMISIS

Add additional tags
```

```
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Register this system with Red Hat Insights: insights-client --register
Create an account or view all your systems at https://red.ht/insights-dashboard
[ec2-user@ip-172-31-43-54 ~]$ sudo -s
[root@ip-172-31-43-54 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.
Red Hat Enterprise Linux 9 for x86_64 - AppStre 31 MB/s |
                                                                      39 MB
Red Hat Enterprise Linux 9 for x86_64 - BaseOS 31 MB/s | Red Hat Enterprise Linux 9 Client Configuration 29 kB/s |
                                                                      30 MB
                                                                    3.0 kB
Last metadata expiration check: 0:00:01 ago on Sun 01 Sep 2024 08:58:13 PM UTC.
Dependencies resolved.
 Package
                      Arch
                                  Version
                                                       Repository
                                                                                        Size
Installing:
                                                       rhel-9-baseos-rhui-rpms
                                  1:2.5.4-25.el9
                                                                                       463 k
 nfs-utils
Installing dependencies:
                                  0.8.4 - 6.e19
                                                       rhel-9-baseos-rhui-rpms
                                                                                       114 k
                                 1.6.3-1.el9
4.33-5.el9
                      x86_64
x86_64
 keyutils
                                                       rhel-9-baseos-rhui-rpms
                                                                                        78 k
                                                                                        56 k
                                                       rhel-9-baseos-rhui-rpms
 libev
                                                       rhel-9-baseos-rhui-rpms
 libnfsidmap
                      x86_64
                      x86_64
x86_64
                                  1.3.3-8.el9 4
 libtirpc
                                                       rhel-9-baseos-rhui-rpms
                                                                                        96
                                                       rhel-9-baseos-rhui-rpms
 libverto-libev
                                  0.3.2-3.el9
                                                                                        15 k
                                                       rhel-9-baseos-rhui-rpms
 quota
                      x86_64
                                                                                       202 k
                                                       rhel-9-baseos-rhui-rpms
 quota-nls
                                  1:4.06-6.el9
                      x86 64
                                                       rhel-9-baseos-rhui-rpms
                                                                                        62 k
 sssd-nfs-idmap
                      x86_64
                                                       rhel-9-baseos-rhui-rpms
                                                                                        46 k
```

```
Complete!

[root@ip-172-31-43-54 ec2-user]# mkdir filesystems

[root@ip-172-31-43-54 ec2-user]# sudo mount -t nfs -o nolock,hard 172.31.38.7:/s

g-trail-bucket-001 filesystems/

[root@ip-172-31-43-54 ec2-user]# cd filesystem

bash: cd: filesystem: No such file or directory

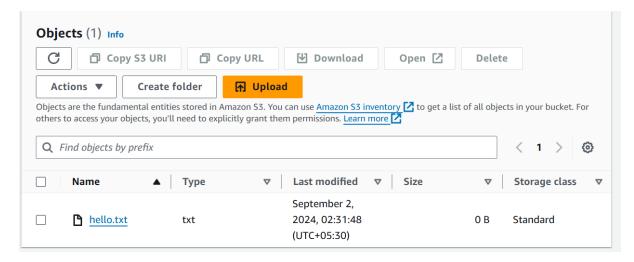
[root@ip-172-31-43-54 ec2-user]# cd filesystems

[root@ip-172-31-43-54 filesystems]# touch.txt

bash: touch.txt: command not found

[root@ip-172-31-43-54 filesystems]# touch hello.txt

[root@ip-172-31-43-54 filesystems]#
```



Complete Steps:

- 1. Storage Gateway → Create File Gateway
- 2. EC2 Instance → m5.Large(Chargeable) + 150GB gp2 as Cache
- 3. Enable Traffics mentioned in Storage GateWay
- 4. Create S3 Bucket
- 5. Assign the S3 in Storage Gateway(Allow all clients)
- 6. Launch test EC2- Mount the filesystem

How to Mount:

- 1. Login to ec2-user (I used RedHat Free tier)
- 2. sudo-s
- 3. yum install -y nfs-utils
- 4. mkdir filesystem
- 5. copy mount path from the file share and remove the last mounted and replace it with filesystem/
- 6. cd filesystem
- 7. create a file (touch hello.txt)
- 8. Go to S3 and check the Object (It will be updated in the S3).