1. Creating the storage directory:
   1. sudo mkdir –p /etc/docker/storage
   2. sudo chown ec2-user /etc/docker/storage
2. Place the nginx config file at /etc/docker/storage/nginx.conf.
   1. sudo nano nginx.conf
   2. cp /home/ec2-user/nginx.conf /etc/docker/storage/nginx.conf
3. Install the vieux/sshfs docker plugin on the swarm cluster.

**docker plugin install vieux/sshfs**

1. Create a service called nginx-web using the nginx:latest image with 3 replicas. Mount the shared volume to the service's containers at /etc/nginx/. Publish port 9773 on the service containers to port 8080 on the swarm nodes.

sudo docker service create \

--name nginx-web \

--replicas 3 \

-p 8080:9773 \

--mount volume-driver=vieux/sshfs,source=nginx-config-vol,target=/etc/httpd/conf/,volume-opt=sshcmd=ec2-user@3.91.176.39:/etc/docker/storage \

nginx:latest

1. Create a Docker volume called nginx-config-vol using the vieux/sshfs driver that stores data in /etc/docker/storage on the external storage server. You can use the cloud\_user credentials to do this.

docker volume create -d vieux/sshfs --name nginx-config-vol -o sshcmd=ec2-user@3.91.176.39:/etc/docker/storage