MOUNT CEPH FS AS A FUSE

For Ceph version 0.55 and later, cephx authentication is on by default. Before mounting a Ceph File System in User Space (FUSE), ensure that the client host has a copy of the Ceph configuration file and a keyring with CAPS for the Ceph metadata server.

1. From your client host, copy the Ceph configuration file from the monitor host to the `/etc/ceph` directory.

```
sudo mkdir -p /etc/ceph
sudo scp {user}@{server-machine}:/etc/ceph/ceph.conf /etc/ceph/ceph.conf
```

2. From your client host, copy the Ceph keyring from the monitor host to to the `/etc/ceph` directory.

```
sudo scp {user}@{server-machine}:/etc/ceph/ceph.keyring /etc/ceph/ceph.keyring
```

3. Ensure that the Ceph configuration file and the keyring have appropriate permissions set on your client machine (e.g., `chmod 644`).

For additional details on cephx configuration, see CEPHX Config Reference.

To mount the Ceph file system as a FUSE, you may use the `ceph-fuse` command. For example:

```
sudo mkdir /home/usernname/cephfs
sudo ceph-fuse -m 192.168.0.1:6789 /home/username/cephfs
```

See ceph-fuse for additional details.