# GlusterFS install on ubuntu 18.04

# prerequisites

glusrer server1

gluster server2

gluster client-server

# On all hosts

All gluster nodes to your host file

Sudo vi /etc/hosts

gluster1 IP <gluster1 name>

gluster2 IP <gluster2 name>

# SECTION 1 : SERVER-SIDE CONFIGS

# Update the local package index on each of our gluster servers

sudo apt update

# Install the software-properties-common package on each server machines

sudo apt install software-properties-common

# Add the PPA for the GlusterFS package

sudo add-apt-repository ppa:gluster/glusterfs-9

# Install the GlusterFS server package

sudo apt install glusterfs-server

# You can test this by running following command on each server

sudo systemctl start glusterd.service

sudo systemctl enable glusterd.service

sudo systemctl status glusterd.service

# To open up this port to your server machine

sudo ufw allow from <server1> to any port 24007

sudo ufw deny 24007

# gluster peer probe-It doesn’t matter which node you use

sudo gluster peer probe <server1>

# to check gluster peer status

sudo gluster peer status

# Create a directory

sudo mkdir </storage-pool>

# SECTION 2 : CLIENT-SIDE CONFIGS

# Update the local package index on each of our gluster client

sudo apt update

# install the glusterfs-client package

sudo apt install glusterfs-client

# Install the software-properties-common package on each client machines

sudo apt install software-properties-common

# Add the PPA for the GlusterFS package

sudo add-apt-repository ppa:gluster/glusterfs-7

# You can test this by running following command on client

sudo systemctl start glusterd.service

sudo systemctl enable glusterd.service

sudo systemctl status glusterd.service

# Create a directory for mount

sudo mkdir </mnt/share>

# SECTION:3 Creating a Storage Volume

# Note that you can run it from either server1 or server2:

sudo gluster volume create volume1 replica 2 server1:</gluster-storage> <server2>:/gluster-storage force

# Volume verification

sudo gluster volume start <volume-name>

sudo gluster volume list

sudo gluster volume status

sudo gluster volume info

# SECTION 4 : EXECUTION

# your client machine to mount the volume

sudo mount -t glusterfs <server1>:</volume1> </storage-pool>

# display the amount volume

df -h

# Testing Redundancy Features

cd </storage-pool>

sudo touch <file>

# to check the server machines

ls /gluster-storage