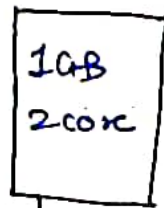


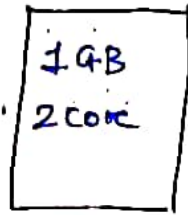
# BeeGFS Practical

Server



- sdb 20GB

Client



Server - NAT :- 192.168.44.145 - Hostname - bgfs-server

Client - NAT :- 192.168.44.146 - Hostname - bgfs-client

on both machine

# systemctl stop firewalld

# systemctl disable firewalld

# vi /etc/selinux/config

↳ SELINUX=disabled

# vi /etc/hosts

↳ 192.168.44.145 bgfs-server

192.168.44.146 bgfs-client

on server

# ssh-keygen

# ssh-copy-id root@bgfs-client

# fdisk /dev/sdb

# mkfs.ext4 /dev/sdb1

# mount /dev/sdb1 /mnt/

# yum install wget

# wget --no-check-certificate -O /etc/yum.repos.d/  
beegfs.repo https://www.beegfs.io/release/beegfs-  
7.2/dists/beegfs-~~rhel7~~ rhel7.repo

# yum install ~~bg~~ beegfs-utils beegfs-client beegfs-  
meta beegfs-storage beegfs-mgmt

# mkdir -p /mnt/beegfs/meta

# mkdir -p /mnt/beegfs/storage

# mkdir -p /mnt/beegfs/beegfs\_mgmt

# /opt/beegfs/sbin/beegfs-setup-mgmt -p /mnt/  
beegfs/beegfs\_mgmt

# vi /etc/beegfs/beegfs-client.conf

↳ sys MgmtHost = 192.168.44.145  
Server ip

# systemctl start beegfs-mgmt

# systemctl enable beegfs-mgmt

# /opt/beegfs/sbin/beegfs-setup-meta -p /mnt/beegfs  
/meta -s 1 -m 192.168.44.145  
server ip

# systemctl start beegfs-meta

# systemctl enable beegfs-meta

# /opt/beegfs/sbin/beegfs-setup-storage -p /mnt/  
beegfs/storage -s 2 -i 1 -m 192.168.44.145  
server ip

# systemctl start beegfs-storage

# systemctl enable beegfs-storage

# beegfs-check-servers → all servers are activated

# beegfsctl --listnodes --nodetype=storage --nicdetails  
→ nicdetails of server, ports details, interfaces.

### On client

# yum install kernel-devel beegfs-utils beegfs-client  
beegfs-mgmt  
wget --no-check-certificate -O /etc/yum.repos.d/  
# beegfs.repo <https://www.beegfs.io/release/beegfs-7.2/dists/beegfs-rhel7.repo>

#/opt /beegfs/sbin/beegfs-setup-client -m 192.168.44  
145  
server ip

#systemctl start beegfs-client  
#systemctl enable beegfs-client