

Assignment 1

Requirement

- 2 Linux : Server and Client

1. Manual Mount

- Both Server and Client

```
yum install nfs-utils libnfsidmap
```

Server

- Enable and Start Service

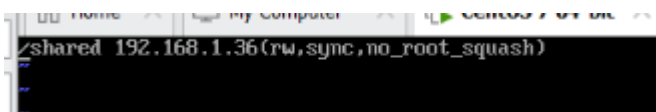
```
systemctl enable rpcbind
systemctl enable nfs-server
systemctl start rpcbind
systemctl start rpc-statd
systemctl start nfs-server
```

- Add Services and Ports For the firewall

```
firewall-cmd --permanent --add-service=rpc-bind
firewall-cmd --permanent --add-service=mountd
firewall-cmd --permanent --add-port=2049/tcp
firewall-cmd --permanent --add-port=2049/udp
firewall-cmd -reload
```

- สร้าง shared directory และเปลี่ยน chmod ให้เป็น 777

```
mkdir /shared
chmod 777 /shared
vi /etc/exports
```



```
/shared 192.168.1.36(rw,sync,no_root_squash)
```

```
exportfs -r
showmount -e localhost
```

Client

- Enable and Start Service

```
systemctl enable rpcbind
systemctl start rpcbind
```

- เช็คว่าการ mount แล้วหรือยังและทำการ mount folder /shared

```
showmount -e 192.168.1.35
mount -t nfs 192.168.1.35:/shared /shared
df -kh (เช็คว่าการ mount แล้วหรือยัง)
```

2. Auto Mount when reboot

Client

```
vi /etc/fstab
```

```
#
# /etc/fstab
# Created by anaconda on Sun Oct 16 13:13:28 2022
#
# Accessible filesystems, by reference, are maintained under '/dev/disk'
# See man pages fstab(5), findfs(8), mount(8) and/or blkid(8) for more info
#
/dev/mapper/centos-root / xfs defaults 0 0
UUID=8dfc8f21-8271-490c-96ec-8d7281899137 /boot xfs defaults 0 0
/dev/mapper/centos-swap swap swap defaults 0 0
192.168.1.178:/test1 /test1 nfs rw,sync,hard,intr 0 0
```

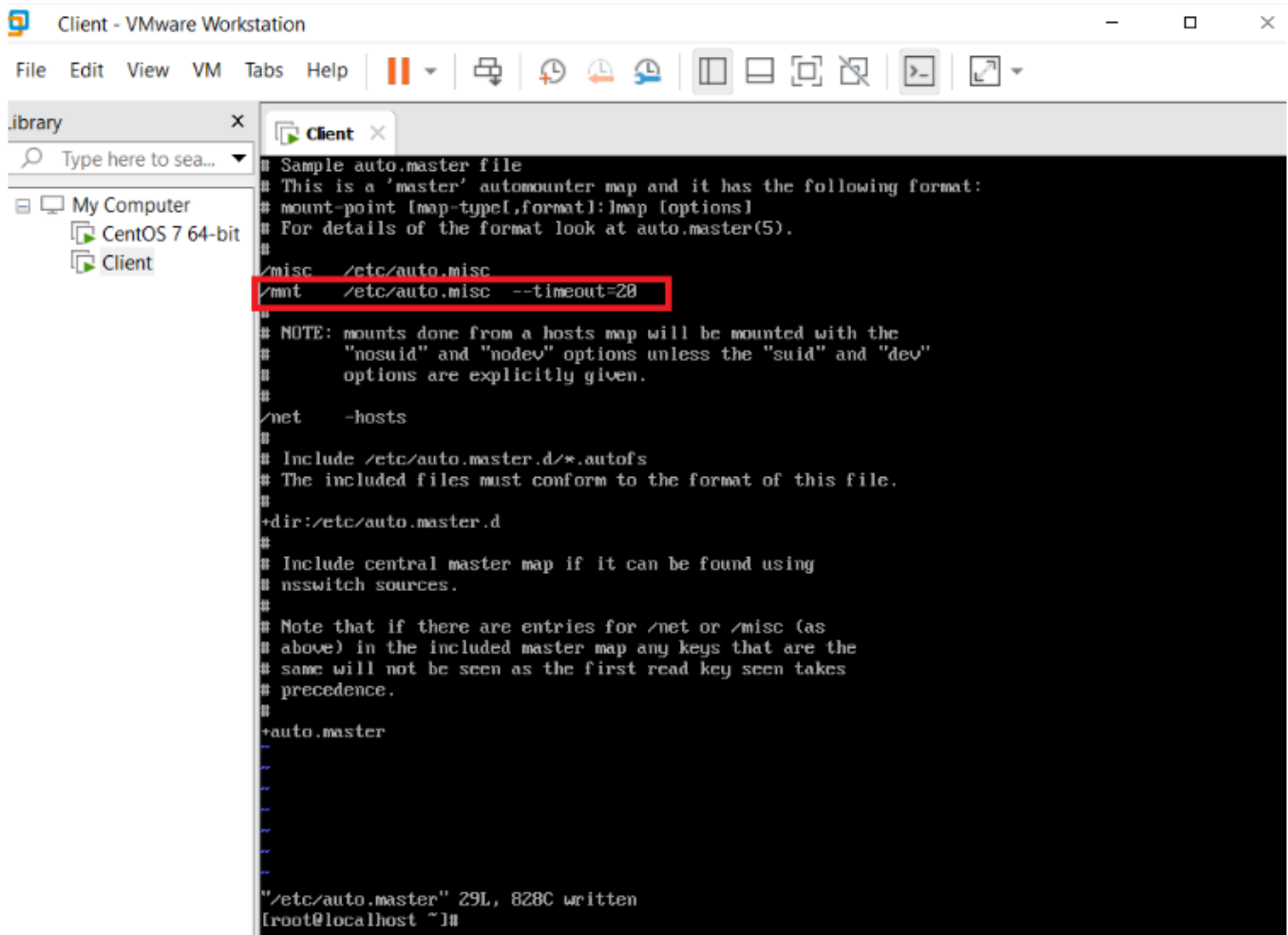
```
umount /test1/
mount -av
```

```
[root@2405-9800-ba00 ~]# showmount -e 192.168.1.178
Export list for 192.168.1.178:
/test1 192.168.1.160
[root@2405-9800-ba00 ~]# mkdir /test1
[root@2405-9800-ba00 ~]# mount 192.168.1.178:/test1 /test1
[root@2405-9800-ba00 ~]# df -kh
Filesystem                Size      Used Avail Use% Mounted on
devtmpfs                  1.9G         0   1.9G   0% /dev
tmpfs                     1.9G    9.2M   1.9G   1% /dev/shm
tmpfs                     1.9G    9.5M   1.9G   1% /run
tmpfs                     1.9G         0   1.9G   0% /sys/fs/cgroup
/dev/mapper/centos-root    15G    5.1G    9.3G  36% /
/dev/sda1                 1014M    185M   830M  19% /boot
tmpfs                     379M     32K   379M   1% /run/user/1000
tmpfs                     379M         0   379M   0% /run/user/0
192.168.1.178:/test1      6.2G    5.5G    714M  89% /test1
[root@2405-9800-ba00 ~]# _
```

3. Autofs

Client

```
yum install -y autofs
vi /etc/auto.master
```



```
Client - VMware Workstation
File Edit View VM Tabs Help
library
Type here to sea...
My Computer
  CentOS 7 64-bit
  Client

Client
# Sample auto.master file
# This is a 'master' automounter map and it has the following format:
# mount-point [map-type[,format]:]map [options]
# For details of the format look at auto.master(5).
#
/misc /etc/auto.misc
/mnt /etc/auto.misc --timeout=20
# NOTE: mounts done from a hosts map will be mounted with the
# "nosuid" and "nodev" options unless the "suid" and "dev"
# options are explicitly given.
#
/net -hosts
#
# Include /etc/auto.master.d/*.autofs
# The included files must conform to the format of this file.
#
+dir:/etc/auto.master.d
#
# Include central master map if it can be found using
# nsswitch sources.
#
# Note that if there are entries for /net or /misc (as
# above) in the included master map any keys that are the
# same will not be seen as the first read key seen takes
# precedence.
#
+auto.master

"/etc/auto.master" 29L, 828C written
[root@localhost ~]#
```

```
vi /etc/auto.misc
```

```
#removable -fstype=ext2 :/dev/hdd
test1 -fstype=nfs,rw,soft,intr 192.168.1.170:/test1
```

```
systemctl enable autofs
systemctl start autofs
```

```

[root@localhost ~]# df -kh
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        1.9G   0 1.9G   0% /dev
tmpfs           1.9G   0 1.9G   0% /dev/shm
tmpfs           1.9G  9.3M 1.9G   1% /run
tmpfs           1.9G   0 1.9G   0% /sys/fs/cgroup
/dev/mapper/centos-root 15G  5.1G  9.3G  36% /
/dev/sdal        1014M 185M  830M  19% /boot
tmpfs           379M  12K  379M   1% /run/user/42
tmpfs           379M   0  379M   0% /run/user/0
[root@localhost ~]# cd /mnt
[root@localhost mnt]# cd test1
[root@localhost test1]# df -kh
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        1.9G   0 1.9G   0% /dev
tmpfs           1.9G   0 1.9G   0% /dev/shm
tmpfs           1.9G  9.3M 1.9G   1% /run
tmpfs           1.9G   0 1.9G   0% /sys/fs/cgroup
/dev/mapper/centos-root 15G  5.1G  9.3G  36% /
/dev/sdal        1014M 185M  830M  19% /boot
tmpfs           379M  12K  379M   1% /run/user/42
tmpfs           379M   0  379M   0% /run/user/0
192.168.1.178:/test1 6.2G  5.5G  714M  89% /mnt/test1
[root@localhost test1]# ls
test
[root@localhost test1]#

```

access test1 to mount

mount when access test1

Assignment 2

Requirement

- 2 Linux [Server and Client] and 1 Window Client

Mount Directory In /etc/fstab

- Then Change home directory to directory where is mounted

```

ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:99:99:Nobody:/:/sbin/nologin
systemd-network:x:192:192:systemd Network Management:/:/sbin/nologin
dbus:x:81:81:system message bus:/:/sbin/nologin
polkitd:x:999:998:User for polkitd:/:/sbin/nologin
libstoragemgmt:x:998:995:daemon account for libstoragemgmt:/var/run/lsm:/sbin/nologin
colord:x:997:994:User for colord:/var/lib/colord:/sbin/nologin
rpc:x:32:32:rpcbind Daemon:/var/lib/rpcbind:/sbin/nologin
sane:x:996:993:SANE scanner daemon user:/usr/share/sane:/sbin/nologin
gluster:x:995:992:GlusterFS daemons:/run/gluster:/sbin/nologin
saslauthd:x:994:76:Saslauthd user:/run/saslauthd:/sbin/nologin
ahrt:x:173:173:/etc/ahrt:/sbin/nologin
setroubleshoot:x:993:990:/var/lib/setroubleshoot:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/proc:/sbin/nologin
pulse:x:171:171:PulseAudio System Daemon:/var/run/pulse:/sbin/nologin
radvd:x:75:75:radvd user:/:/sbin/nologin
chrony:x:992:987:/var/lib/chrony:/sbin/nologin
unbound:x:991:986:Unbound DNS resolver:/etc/unbound:/sbin/nologin
gemu:x:187:187:gemu user:/:/sbin/nologin
tsa:x:59:59:Account used by the trousers package to sandbox the tssd daemon:/dev/null:/sbin/nologin
sssd:x:990:984:User for sssd:/:/sbin/nologin
usbmuxd:x:113:113:usbmuxd user:/:/sbin/nologin
geoclue:x:989:983:User for geoclue:/var/lib/geoclue:/sbin/nologin
ntp:x:38:38:/etc/ntp:/sbin/nologin
gdm:x:42:42:/var/lib/gdm:/sbin/nologin
rpcuser:x:29:29:RPC Service User:/var/lib/nfs:/sbin/nologin
nfsnobody:x:65534:65534:Anonymous NFS User:/var/lib/nfs:/sbin/nologin
gnome-initial-setup:x:900:902:/run/gnome-initial-setup:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/var/empty/ssh:/sbin/nologin
avahi:x:78:78:avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
postfix:x:89:89:/var/spool/postfix:/sbin/nologin
tcpdump:x:72:72:/:/sbin/nologin
client:x:1808:1808:client:/home/client:/bin/bash
weeraahatleeawittayanon:x:1881:1881:Client:/home/weeraahatleeawittayanon:/bin/bash
user3:x:1883:1883:/shared:/bin/bash
user4:x:1884:1884:/shared:/bin/bash
[root@localhost ~]#

```

Window Client

```
yum install samba
vi /etc/samba/smb.conf
```

```
workgroup = WORKGROUP
security = user

passwd backend = tdbsam

printing = cups
printcap name = cups
load printers = yes
cups options = raw

[homes]
comment = Home Directories
valid users = %S, %D\\%S
browseable = No
read only = No
inherit acls = Yes

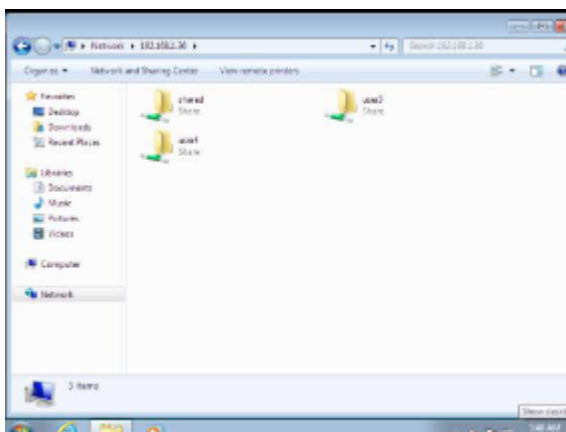
[printers]
comment = All Printers
path = /var/tmp
printable = Yes
create mask = 0600
browseable = No

[print$]
comment = Printer Drivers
path = /var/lib/samba/drivers
write list = @printadmin root
force group = @printadmin
create mask = 0604
directory mask = 0775

[shared]
path = /shared
public = yes
writable = yes
read only = no
```

- Parameter :
 1. path -> path of directory
 2. valid users = user2,user3 -> allowed user to this directory
 3. public -> make the directory visible
 4. writable -> make user write or create file
- Add Samba User

```
smbpasswd -a user2
smbpasswd -a user3
```

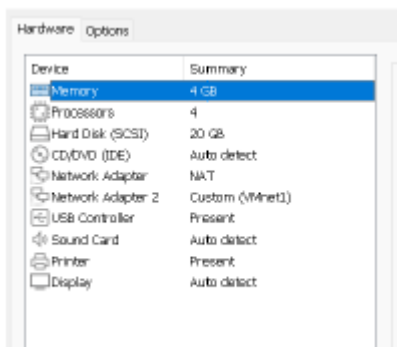


```
firewall-cmd --permanent --add-port=139/tcp
firewall-cmd --permanent --add-port=445/tcp
firewall-cmd --permanent --add-port=137/udp
firewall-cmd --permanent --add-port=138/udp
firewall-cmd --permanent --add-port=139/udp
firewall-cmd --reload
systemctl restart smb
```

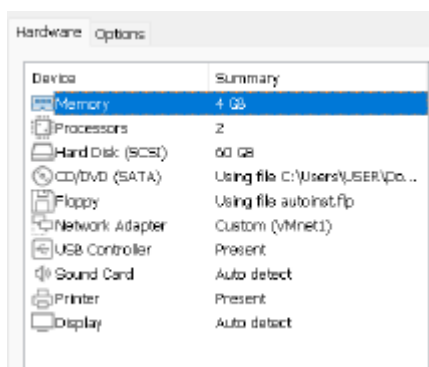
Assignment 3

Requirement

- 1 linux server and 1 Window Client
- SetUp Linux interface

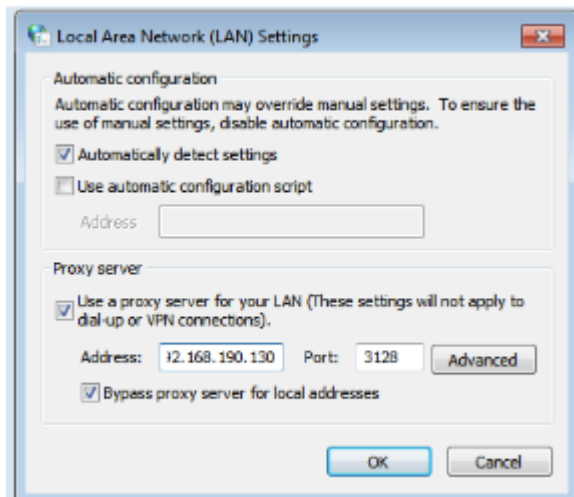


- SetUp Window interface



```
Yum install squid
Systemctl start squid
Systemctl enable squid
Systemctl status squid
```

- Config the squid.conf and setup the proxy in client



Config squid.conf and set the ACL for allow private ip class

```
acl localnet src 192.168.0.0/24 #
acl localnet src fc00::/7 #
acl localnet src fe80::/10 #
```

config proxy port

```
# Squid normally listens to port 3128
http_port 3128
```

verify that can use internet

```
Connection-specific DNS Suffix . : 
Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . : localdomain
Link-local IPv6 Address . . . . . : fe80::9d35:220f:65df:773a%11
IPv4 Address. . . . . : 192.168.205.128
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.205.2
```

Set proxy password

```
yum install -y httpd-tools
```

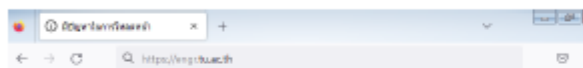
```
auth_param basic program /usr/lib64/squid/basic_ncsa_auth /etc/squid/passwd
auth_param basic children 5
auth_param basic realm Squid Basic Authentication
auth_param basic credentialsttl 2 hours
acl auth_users proxy_auth REQUIRE
http_access allow auth_users
```

```
[root@localhost ~]# htpasswd /etc/squid/passwd ninja
New password:
Re-type new password:
Adding password for user ninja
[root@localhost ~]# systemctl restart squid
```

Block Sites


```
lroot@localhost squid# cat /etc/squid/blocksites
.facebook.com
.engr.tu.ac.th
```

```
acl blocked_urls dstdomain "/etc/squid/blocksites"
http_access deny blocked_urls
```



เซิร์ฟเวอร์พร้อมขึ้นปฏิเสธรการเชื่อมต่อ

เกิดข้อผิดพลาดระหว่างเชื่อมต่อกับ engr.tu.ac.th

- ตรวจสอบให้แน่ใจว่ามีการตั้งค่าการเชื่อมต่อ
- ติดต่อผู้ดูแลระบบเครือข่ายของคุณเพื่อแก้ไขปัญหาการเชื่อมต่อ

คลิกที่นี่

Assignment 4

Requirement

- 3 linux
 1. DNS Server
 2. Apache Server
 3. Syslog Server

DNS Server

```
yum install -y httpd
vi /etc/named.conf
```

```

zone "ece.local" IN {
    type master;
    file "ece.forward.zone";
    allow-update { none; };
};

zone "111.168.192.in-addr.arpa" IN {
    type master;
    file "ece.reverse.zone";
    allow-update { none; };
};

```

```

acl internals { 192.168.111.0/24; };

options {
    listen-on port 53 { 127.0.0.1; 192.168.111.1; };
    listen-on-v6 port 53 { ::1; };
    directory "/var/named";
    dump-file "/var/named/data/cache_dump.db";
    statistics-file "/var/named/data/named_stats.txt";
    memstatistics-file "/var/named/data/named_mem_stats.txt";
    recursing-file "/var/named/data/named.recursing";
    secroots-file "/var/named/data/named.secroots";
    allow-query { localhost; };
};

```

- Edit these files

```

vi /var/named/ece.forward.zone
vi /var/named/ece.reverse.zone

```

```

[root@localhost ~]# cat /var/named/ece.forward.zone
$TTL 3H
$ORIGIN ece.local.

@      IN SOA ns1.ece.local. root.ece.local. (
                                0      ; serial
                                1D      ; refresh
                                1H      ; retry
                                1W      ; expire
                                3H )    ; minimum

      IN NS ns1.ece.local.

ns1     IN A 192.168.111.1
ninja1  IN A 192.168.111.2
ninja2  IN A 192.168.111.2
ninja3  IN A 192.168.111.2
[root@localhost ~]# cat /var/named/ece.reverse.zone
$TTL 3H
$ORIGIN 111.168.192.in-addr.arpa.

@      IN SOA ns1.ece.local. root.ece.local. (
                                0      ; serial
                                1D      ; refresh
                                1H      ; retry
                                1W      ; expire
                                3H )    ; minimum

      IN NS ns1.ece.local.

1      IN PTR ns1.ece.local.
2      IN PTR ninja1.ece.local.
2      IN PTR ninja2.ece.local.
2      IN PTR ninja3.ece.local.
[root@localhost ~]#

```

Apache Server

- Make vhost.conf file

```

<VirtualHost *:80>
ServerName ninja1.ece.local
ServerAlias ninja1.ece.local
DocumentRoot /var/www/html/ninja1
</VirtualHost>

<VirtualHost *:80>
ServerName ninja2.ece.local
ServerAlias ninja2.ece.local
DocumentRoot /var/www/html/ninja2
</VirtualHost>

<VirtualHost *:80>
ServerName ninja3.ece.local
ServerAlias ninja3.ece.local
DocumentRoot /var/www/html/ninja3
</VirtualHost>

ServerName localhost

```

Syslog Server

```

yum install -y rsyslog
firewall-cmd --permanent --zone=public --add-port=514/tcp
firewall-cmd --permanent --zone=public --add-port=514/udp
firewall-cmd -reload
vi /etc/rsyslog.conf

```

```

# Provides UDP syslog reception
$ModLoad imudp$UDPServerRun 514
# Provides TCP syslog reception
$ModLoad imtcp
$InputTCPServerRun 514

```

```

systemctl start rsyslog
cat /var/log/messages

```

On DNS and Apache Server

```

vi /etc/rsyslog.conf

```

```

*.info:mail.none:authpriv.none:cron.none @192.168.111.3
*.info:mail.none:authpriv.none:cron.none @@192.168.111.3

```

Assignment 5

Requiremnt

- 2 Linux servers : Bacula Server and Client

On Bacula Server

```
sudo yum install -y bacula-director bacula-storage bacula-console bacula-client
mariadb-server
sudo systemctl start mariadb
```

- Set the mariaDB to supported Bacula backup scheme.

```
to log into MariaDB without having to have a user account created for
them. This is intended only for testing, and to make the installation
go a bit smoother. You should remove them before moving into a
production environment.

Remove anonymous users? [Y/n] Y
... Success!

Normally, root should only be allowed to connect from 'localhost'. This
ensures that someone cannot guess at the root password from the network.

Disallow root login remotely? [Y/n] Y
... Success!

By default, MariaDB comes with a database named 'test' that anyone can
access. This is also intended only for testing, and should be removed
before moving into a production environment.

Remove test database and access to it? [Y/n] Y
- Dropping test database...
... Success!
- Removing privileges on test database...
... Success!

Reloading the privilege tables will ensure that all changes made so far
will take effect immediately.

Reload privilege tables now? [Y/n] Y
... Success!

Cleaning up...

All done! If you've completed all of the above steps, your MariaDB
installation should now be secure.

Thanks for using MariaDB!
```

- Edit the bacula-dir.conf for configuration Director, FileSet, Client, Storage, Catalog and Pool.

```
sudo mkdir -p /bacula/backup /bacula/restore
sudo chown -R bacula:bacula /bacula
sudo chmod -R 700 /bacula
sudo mkdir /etc/bacula/conf.d
vi /etc/bacula/bacula-dir.conf
```

```

Director {
    # define myself
    Name = BackupServer-dir
    DIRport = 9101 # where we listen for UA connections
    QueryFile = "/etc/bacula/query.sql"
    WorkingDirectory = "/var/spool/bacula"
    PidDirectory = "/var/run"
    Maximum Concurrent Jobs = 1
    Password = "MDg1YmNmNTkxZWJlZmZmYmZyY1OWJlM" # Console password
    Messages = Daemon
    DirAddress = 127.0.0.1
}

# List of files to be backed up
FileSet {
    Name = "Full Set"
    Include {
        Options {
            signature = MD5
            compression = GZIP
        }
        #
        # Put your list of files here, preceded by 'File'
        # or include an external list with:
        #
        # File = <file-name>
        #
        # Note: / backs up everything on the root partition
        # if you have other partitions such as /usr or
        # you will probably want to add them too.
        #
        # By default this is defined to point to the Bacula
        # directory to give a reasonable FileSet to back
        # disk storage during initial testing.
        #
        File = /
    }
}

#
# Exclude {
#   File = /var/spool/bacula
#   File = /tmp
#   File = /proc
#   File = /tmp
#   File = /.journal
#   File = /.fsck
#   File = /bacula
# }
#

# Definition of file storage device
Storage {
    Name = File
    # Do not use "localhost" here
    Address = 192.168.111.3 # N.B. Use a fully qualified name here
    SDPort = 9103
    Password = "NDBiOGEGZMfmZTZnNTy1NmU3NmZExODg5Y"
    Device = FileStorage
    Media Type = File
}

# File Pool definition
Pool {
    Name = File
    Pool Type = Backup
    Label Format = Local-
    Recycle = yes # Bacula can automatically recycle Volumes
    AutoPrune = yes # Prune expired volumes
    Volume Retention = 365 days # one year
    Maximum Volume Bytes = 500 # Limit Volume size to something reasonable
    Maximum Volumes = 100 # Limit number of Volumes in Pool
}

```

```

bacula-dir -tc /etc/bacula/bacula-dir.conf

```

- Edit bconsole.conf

```
#
# Bacula User Agent (or Console) Configuration File
#

Director {
  Name = BackupServer-dir
  DIRport = 9101
  address = 192.168.111.1
  Password = "MDg1YmNmNTkxZWJlZmMwYmZlY1OWJlM"
}
~
~
```

```
bacula-sd -tc /etc/bacula/bacula-sd.conf
```

```
DIR_PASSWORD=`date +%s | sha256sum | base64 | head -c 33`
sudo sed -i "s/@@DIR_PASSWORD@@/${DIR_PASSWORD}/" /etc/bacula/bacula-dir.conf
sudo sed -i "s/@@DIR_PASSWORD@@/${DIR_PASSWORD}/" /etc/bacula/bconsole.conf
SD_PASSWORD=`date +%s | sha256sum | base64 | head -c 33`
sudo sed -i "s/@@SD_PASSWORD@@/${SD_PASSWORD}/" /etc/bacula/bacula-sd.conf
sudo sed -i "s/@@SD_PASSWORD@@/${SD_PASSWORD}/" /etc/bacula/bacula-dir.conf
FD_PASSWORD=`date +%s | sha256sum | base64 | head -c 33`
sudo sed -i "s/@@FD_PASSWORD@@/${FD_PASSWORD}/" /etc/bacula/bacula-dir.conf
sudo sed -i "s/@@FD_PASSWORD@@/${FD_PASSWORD}/" /etc/bacula/bacula-fd.conf
```

- Start and Enable bacula-dir service.

```
sudo systemctl start bacula-dir
sudo systemctl start bacula-sd
sudo systemctl start bacula-fd
sudo systemctl enable bacula-dir
sudo systemctl enable bacula-sd
sudo systemctl enable bacula-fd
```

```
sudo mkdir /etc/bacula/conf.d
sudo vi /etc/bacula/bacula-dir.conf
```

- At the end of the file add

```
@|"find /etc/bacula/conf.d -name '*.conf' -type f -exec echo @{} \;"
```

```
sudo vi /etc/bacula/conf.d/pools.conf
```

```

Pool {
    Name = RemoteFile
    Pool Type = Backup
    Label Format = Remote-
    Recycle = yes                # Bacula can automatically recycle Volumes
    AutoPrune = yes              # Prune expired volumes
    Volume Retention = 365 days  # one year
    Maximum Volume Bytes = 50G   # Limit Volume size to something
reasonable
    Maximum Volumes = 100        # Limit number of Volumes in Pool
}

```

```
sudo vi /etc/bacula/conf.d/filesets.conf
```

```

FileSet {
    Name = "Home and Etc"
    Include {
        Options {
            signature = MD5
            compression = GZIP
        }
        File = /home
        File = /etc
    }
    Exclude {
        File = /home/bacula/not_important
    }
}

```

```
sudo vi /etc/bacula/conf.d/clients.conf
```

```

Client {
    Name = ClientHost-fd
    Address = client_private_FQDN
    FdPort = 9102
    Catalog = MyCatalog
    Password = "Y2Q50DUyMWM0YTFhYjA3NTcwYmU50TA4Y" # password for Remote
FileDaemon
    File Retention = 30 days        # 30 days
    Job Retention = 6 months        # six months
    AutoPrune = yes                 # Prune expired Jobs/Files
}
Job {
    Name = "BackupClientHost"
}

```

```
JobDefs = "DefaultJob"
Client = ClientHost-fd
Pool = RemoteFile
FileSet="Home and Etc"
}
```

```
sudo bacula-dir /etc/bacula/bacula-dir.conf
```

```
sudo systemctl restart bacula-dir
```

On Bacula Client

```
sudo yum install -y bacula-client bacula-console
```

```
sudo vi /etc/bacula/bacula-fd.conf
```

```
Director {
    Name = BackupServer-dir
    Password = "123456"
}

FileDaemon {                                # this is me
    Name = ClientHost-fd
    FAddress = client_private_ip
    FDport = 9102                            # where we listen for the director
    WorkingDirectory = /var/spool/bacula
    Pid Directory = /var/run
    Maximum Concurrent Jobs = 20
}

Messages {
    Name = Standard
    director = BackupServer-dir = all, !skipped, !restored
}
```

```
sudo bacula-fd -tc /etc/bacula/bacula-fd.conf
```



```
sudo systemctl restart bacula-fd
```

```
sudo systemctl enable bacula-fd
```

```
sudo mkdir -p /bacula/restore
sudo chown -R bacula:bacula /bacula
sudo chmod -R 700 /bacula
```

```
sudo vi /etc/bacula/bconsole.conf
```

```
#
Director {
  Name = bacula-dir
  DIRport = 9101
  address = 192.168.111.2
  Password = "123456"
}
--
--
```

bconsole

```
Select Client (File daemon) resource (1-2): 2
Connecting to Client ClientHost-fd at 192.168.111.2:9102

ClientHost-fd Version: 5.2.13 (19 February 2013) x86_64-redhat-linux-gnu redhat (Core)
Daemon started 22-Nov-22 00:29. Jobs: run=0 running=0.
Heap: heap=135.168 smbytes=21.682 max_bytes=21.829 bufs=52 max_bufs=53
Sizeof: boffset_t=0 size_t=0 debug=0 trace=0
Running Jobs:
Director connected at: 22-Nov-22 00:29
No Jobs running.
====

Terminated Jobs:
====
*run
Automatically selected Catalog: MyCatalog
Using Catalog "MyCatalog"
A job name must be specified.
The defined Job resources are:
  1: BackupClient1
  2: BackupCatalog
  3: RestoreFiles
  4: BackupClientHost
Select Job resource (1-4): 4
Run Backup job
JobName: BackupClientHost
Level: Incremental
Client: ClientHost-fd
FileSet: Home and Etc
Pool: RemoteFile (From Job resource)
Storage: File (From Job resource)
When: 2022-11-22 00:29:17
Priority: 10
OK to run? (yes/mod/no): yes
Job queued. JobId=6
You have messages.
*_
```