1Commando’s linux advanced:

|  |  |
| --- | --- |
| Dnf list installed |grep ssh | Zoeken naar geinstalleerde ssh packetten |
| Dnf install -y openssh-server | Installeren openssh |
| Systemctl status sshd | Checken of ssh draait |
| Lsof -I -P -n | grep sshd | Firewall checken of ssh open staat |
| Nano /etc/ssd/sshd/sshd\_config | Custom settings ssh |
| Scp /path/van/de/file User@server:/naar/locatie |  |
| rsync | Gesynchroniseerd kopieren |
| Rsync -avl /home/user/ root@ip:/map |  |
| Rsync -avl --delete /home/user/ root@ip:/map | Mirror van map |
|  |  |
| Sftp user@host | File transfer |
| (Sftp) Put/get | Versturen / binnenhalen |
|  |  |
| Ssh-keygen | Aanmaken van key voor passwordless ssh |
| Ssh-copy-id -i ~/.ssh/id\_rsa.pub user@host | Kopieren van public id naar andere machine |
| Met deze key kan je ook sftp,ssh, scp gebruiken zonder wachtwoord |  |
|  |  |
| Journalctl |  |
| rsyslogd |  |
| Cat /etc/rsyslog.conf |  |
| Dnf install rsyslog |  |
|  |  |
| df | Bekijk disk gebruik |
| du | Disk verbruik |
| find | Zoeken op schijf naar bestanden |
| Find / -xdev -user jonas -print | xargs ls -ldS > /tmp/jonas | Zoeken in root naar bestanden van gebruiker tom, show uitvoer als long listing die uitvooer in een bestand jonas op map tmp zetten |
| Find / -xdev -size +100M | xargs ls -lds > /tmp/size | Zoeken naar bestanden groter dan 100mb |
|  |  |
| Route -n | Show routing tabel |
|  |  |
| Ip addr show ‘interface’ | Show specifiek interface |
|  |  |
| Systemctl disable libvertd (reboot Hierna) | Zet virtuele bridge interface af. |
|  |  |
| Ifconfig ‘interface’ |  |
|  |  |
| Ping | Troubleshooting |
| Sudo traceroute -I www.pxl.be | Langs welke route gaat mijn pakket |
| Hostnamectl set-hostname –static “nieuwehastname” | Hostname veranderen |
|  |  |
| PROXY SERVER |  |
|  |  |
| VIA BROWSER | About:preferences-> |
| Networksettings-> | Manual proxy configuration -> |
| Standard port: 3128 |  |
|  |  |
| BV 165.16.96.93:8080 |  |
|  |  |
|  |  |
| NMTUI | Commandline network config |
| Sudo nmtui |  |
|  |  |
| Edit connection | Kies profile, kies edit  Ipv4 show  Switch auto to manual  10.0.2.10/24  Gateway: set gateway  Set dns  Druk OK |
|  |  |
| NMCLI | Ethernet channel bonding |
| Sudo nmcli |  |
| Voeg in virtualbox meerdere netwerkadapters toe |  |
|  |  |
| Nmcli connection show | Show alle connecties |
| Nmcli connection delete id enp0s3 | Verwijhderen van conn |
| Nmcli connection delete id “profile 1” |  |
|  |  |
| Nmcli connection add type bond con-name mybond0 ifname bond0 mode active-backup |  |
|  |  |
| Nmcli connection modify mybond0 ipv4.addresses 10.0.2.100/24 gw4 10.0.2.1 ipv4.dns “8.8.8.8 8.8.4.4” |  |
| Nmcli connection modify mybond0 ipv4.method manual |  |
|  |  |
| Nmcli connection add type bond-slave con-name mybond0-eth0 ifname enp0s3 master bond0 |  |
|  |  |
| Nmcli connection add type bond-slave con-name mybond0-eth1 ifname enp0s8 master bond0 |  |
|  |  |
| Nmcli connection up mybond0 |  |
| Nmcli connection show |  |
|  |  |
| Nmcli con up mybond0-eth0 | Set up bond slaves |
| Nmcli con up mybond0-eth1 |  |
|  |  |
| Cd /etc/sysconfig/network-scripts | Map met connection settings |
|  |  |
| Cat /proc/net/bonding/bond0 |  |
|  |  |
| Ifenslave -c bond0 enp0s8 | Set active slave |
|  |  |
| Ifdown mybond0(-eth0) | Deactiveren van connectie |
| Ifup mybond0(-eth0) |  |
|  |  |
|  |  |
| **Netwerkbestanden** |  |
|  |  |
| Systemctl stop NetworkManager | Stoppen van networkmanager voor het aanpassen van de netwerk configuratie bestanden |
|  |  |
| Cd /etc/sysconfig/network-scripts | Map met de config bestanden |
|  |  |
| Route aanmaken voor interface::: |  |
|  |  |
| Vim route-mybond0 | In vim ->> |
| Address0=10.0.10.0  Netmask0=255.255.255.0  Gateway0=10.0.2.101  Address1=10.0.11.0  Netmask1=255.255.255.0  Gateway1=10.0.2.102 |  |
|  |  |
| Systemctl start networkmanager |  |
| Route -n |  |
|  |  |
| /etc/hosts | File om addressen aan namen te koppelen in een klein netwerk (dns) |
|  |  |
| /etc/reslov.conf | Dns files |
|  |  |
| Dig & host troubleshooting |  |
| SERVICES |  |
| Ps -e | head | Show running processes |
|  |  |
| Standard runlevel = 5 |  |
|  |  |
| runlevel | Show current runlevel ( N = non existend) |
|  |  |
| /etc/rc.d/ | Map met runlevels |
| K=Kill, S=Start (nummer is volgorde) |  |
|  |  |
| Systemctl list-unit-files - -type=service | Alle config files voor service units |
|  |  |
| Systemctl set-default multi-user.target | Switch naar geen grafische interface |
|  |  |
| Systemctl list-unit-files - -type=service |  |
|  |  |
| Systemctl mask Networkmanager | Networkmanager zal nooit gerunt worden. |
|  |  |
| Firewall-cmd - -zone=public - -permanent - -add-service=http |  |
|  |  |
| Permissies website |  |
|  |  |
| Chown -R apache:apache /var/www/html  Chmod -R u+r,g+r /var/www/html  Cd /var/www/html  Chmod u+X \* |  |
|  |  |
| Cd /etc/httpd | Config files webserver |
|  |  |
| Meerdere websites hosten | Virtual hosts |
|  |  |
| Vim /etc/httpd/conf.d/web1.org.conf | Maak config bestand aan |
|  |  |
| <VirtualHost \*:80>  ServerAdmin [webmaster@web1.org](mailto:webmaster@web1.org)  ServerName [www.web1.org](http://www.web1.org)  ServerAlias web.web1.org  DocumentRoot /var/www/html/web1.org/  DirectoryIndex index.php index.html index.htm  </VirtualHost> | opslaan |
|  |  |
| <VirtualHost \*:80>  ServerAdmin [webmaster@web2.org](mailto:webmaster@web2.org)  ServerName [www.web12org](http://www.web12org)  ServerAlias web.web2.org  DocumentRoot /var/www/html/web2.org/  DirectoryIndex index.php index.html index.htm  </VirtualHost> |  |
|  |  |
| Mkdir /var/www/htmlweb1.org  Mkdir /var/www/html/web2.org | Aanmaken van directory voor website  Maak een index file aan in allebij de mappen |
|  |  |
| Vim /etc/hosts | Namen toevoegen van website (dns -isch) |
| 127.0.0.1 localhost [www.web1.org](http://www.web1.org) web.web1.org [www.web2.org](http://www.web2.org) web.web2.org |  |
| Apachectl configtest | Testen van de apache config files |
| Apachectl graceful | Reload van apache config files |
| Systemctl reload httpd | Zelfde als vorige commando |
|  |  |
| Cd /etc/httpd/conf |  |
| Vim httpd.conf |  |
|  |  |
| <IfModule mod\_userdir.c>  UserDir enabled tom ‘🡨 user op server’  UserDir public.html  </IfModule>  <Directory “home/\*/public\_html/”>  Opstions Indexes Includes FollowSymLinks  Require all granted  </Directory> | :wq |
|  |  |
| Cd |  |
|  |  |
| Mkdir /home/user/public\_html |  |
|  |  |
| Chmod +x /home /home/\* |  |
| Chcon -R –reference=/var/www/html/ /home/\*/public\_html |  |
| Setsebool -P httpd\_enable\_homedirs true |  |
| Systemctl reload httpd |  |
|  |  |
| Vim home/user/public\_html/index.html | Voeg content toe (html pagina) |
|  |  |
| In firefox 127.0.0.1/~user/ |  |
|  |  |
| Dnf - - enablerepo=powertools install elinks | Surfen over terminal (elinks) |
|  |  |
|  |  |
| encryptie |  |
|  |  |
| Dnf install mod\_ssl | Cd /etc/httpd/conf.d  Vim ssl.conf |
|  |  |
| Systemctl reload httpd |  |
|  |  |
| Openssl req -newkey rsa:4096 -nodes -keyout /etc/pki/tls/private/testserver.key -x509 -days 365 -out /etc/pki/tls/certs/testserver.crt | Selfsigned CA maken |
|  |  |
| Vim /etc/httpd/conf.d/ssl.conf |  |
|  |  |
| Pas de SSLCertificateFile aan naar de zonet aangemaakte file  /etc/pki/tls/certs/testserver.crt  Pas de SSLCertificateKeyfile aan  Door de zonet aangemaakte file  /etc/pki/tls/private/testserver.key | :wq |
|  |  |
| Systemctl reload httpd |  |
|  |  |
| LAMP server | Linux apache mariadb php |
| LEMP | Linux nginx mariadbb php |
|  |  |
| Verschil tussen apache en nginx  Apache bevat alle tools dus ook trager  Nginx minder mogelijkheden dus iets sneller dan apache |  |
|  |  |
| Install wordpress met lamp |  |
| Maak een nieuwe virtual host aan |  |
|  |  |
| dnf install php-mysqlnd php-fpm mariadb-server httpd tar curl php-json  # firewall-cmd --permanent --zone=public --add-service=http  # firewall-cmd --permanent --zone=public --add-service=https  # firewall-cmd --reload  # systemctl start mariadb  # systemctl start httpd  # systemctl enable mariadb  # systemctl enable httpd  # mysql -u root -p  mysql> CREATE DATABASE wordpress;  mysql> CREATE USER `admin`@`localhost` IDENTIFIED BY 'pass';  mysql> GRANT ALL ON wordpress.\* TO `admin`@`localhost`;  mysql> FLUSH PRIVILEGES;  mysql> exit  $ curl https://wordpress.org/latest.tar.gz --output wordpress.tar.gz  $ tar xf wordpress.tar.gz  # cp -r wordpress /var/www/html  # chown -R apache:apache /var/www/html/wordpress  # chcon -t httpd\_sys\_rw\_content\_t /var/www/html/wordpress -R |  |
|  |  |
|  |  |
| NATTING | Gebruik 1 server als router  1 server met 2 netwerkkaarten,  1 wan & 1 lan deze server moet al het verkeer van de lan forwarden naar de wan |
|  |  |
| Masquerade |  |
| Sudo firewall-cmd - -change-interface=enp0s8 - - zone=internal - - permanent |  |
| Firewall-cmd - -comlete-reload |  |
|  |  |
| Sudo firewall-cmd - -change-interface=enp0s3 - - zone=internal - - permanent |  |
| Firewall-cmd – set-default-zone=internal |  |
|  |  |
| Firewall-cmd --zone=internal –add-service=dns --permanent |  |
|  |  |
| DHCP |  |
|  |  |
| Dnf install dhcp-server |  |
| Vim /etc/dhcp/dhcpd.conf |  |
| ddns-update-style none;  authoritative;  subnet jesubnet netmask 255.255.255.0 {  Range ‘je range start’ ‘je range einde’;  Option domain-name-servers 8.8.8.8, 8.8.4.4;  Options routers 10.10.10.1;  Default-lease-time 600;  Max-lease-time 7200;  } | :wq |
|  |  |
| Systemctl start dhcpd  Systemctl enable dhcpd |  |
|  |  |
|  |  |
| FTP |  |
|  |  |
| Commandos voor ftp  Ls  Pwd  Cd  Get (bestandsnaam)  exit |  |
| Dnf install lftp |  |
|  |  |
|  |  |
| Dnf install vsftpd |  |
|  |  |
| Vim /etc/vsftpd/vsftpd.conf |  |
|  |  |
| Netstat -tulpn | grep vsftpd |  |
|  |  |
| Dnf install firewall-config |  |
|  |  |
| Setenforce 0 | Uitzetten van selinux |
|  |  |
| Vim /etc/shells  /sbin/nologin | :wq |
| Useradd bob -s /sbin/nologin  Passwd bob  Pxl  Pxl | Maak user bob aan voor ftp  Bob mag de commandline niet gebruiken en kan dus ook niet inloggen op het systeem  Enkel via ftp |
| In ftp config file anon\_upload\_enable=yes  Anon\_mkdir\_write\_enable=yes | Geef anonymous user schrijfrechten |
|  |  |
| Systemctl restart vsftpd |  |
|  |  |
|  |  |
|  |  |
|  |  |
| SELINUX |  |
|  |  |
| \*netwerkpoorten  \*applicaties  \*locaties in het filesysteem |  |
|  |  |
| Setenforce 0 | Testen of het probleem aan selinux licht |
|  |  |
| 3 modi in SELinux  \*Enforcing  \*permissive  \*disabled |  |
|  |  |
| Cat /etc/sysconfig/selinux |  |
|  |  |
| Ls -Z  Ps -Z  Netstat -Z | Info met betrekking tot SELinux |
|  |  |
| Dnf install httpd |  |
|  |  |
| Rm -rm /var/www/html/\*  Cd /var/www/html |  |
| Alle webcontent moet van type: httpd\_sys\_content\_t zijn |  |
|  |  |
|  |  |
| DEBUGGING  Als je een fout type gebruikt |  |
|  |  |
| Cd /var/log/audit | logboeken |
| Tail audit.log |  |
| Dnf install setroubleshoot && reboot |  |
| Journalctl -f |  |
|  |  |
| Setsebool -P httpd\_read\_user\_content 1 |  |
|  |  |
| Getsebool -a | Alle sebools |
| Getsebool -a | grep httpd |  |
|  |  |
| Type veranderen 🡺 |  |
|  |  |
| Chcon -t httpd\_sys\_content\_t index.html |  |
|  |  |
| Chcon -t user\_home\_t index.html | Geef terug foute type voor 2 methode te tonen |
|  |  |
| Restorecon -vR /var/www | Heel de map terug type overnemen van de map /var/www |
|  |  |
|  |  |
| Booleans instellen |  |
|  |  |
| Cd /var/log/audit |  |
|  |  |
| Journalctl -f |  |
|  |  |
| Less /var/lib/selinux/targeted/active/Booleans.local | Hier zie je welke standaard waarden er zijn aangepast |
|  |  |
|  |  |
| IPTABLES | Pakketen blokkeren, filteren op basis van MAC adres, ip-header velden, TCP/UDP, poortnummers, applicatie |
|  |  |
| Dnf install Firewall-config |  |
|  |  |
| Firewall-cmd –get-default-zone |  |
|  |  |
| Systemctl stop firewalld  Systemctl disable firewalld |  |
|  |  |
| Dnf install iptables-services iptables-utils |  |
| Systemctl start iptables  Systemctl enable iptables |  |
|  |  |
| less /etc/sysconfig/iptables | Config files van iptables |
|  |  |
| IPTABLES  \*tables  ----- Filter  ----- Nat  \*\*\*\*PREROUTING  \*\*\*\*OUTPUT  \*\*\*\*POSTROUTING  ----- RAW  ----- Security  ----- Mangle  \*chains (horen bij een tablel)  ----- INPUT  ----- OUTPUT  ----- FORWARD  ----- Custom chains (zelf te maken)  \*rules  ----- Accept packet  ----- reject packet  ----- drop packet  ----- doorverwijzen naar custom chain |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
| Iptables -L | Oplijsten alle chains van iptables |
| Iptables -F | Delete alle rules |
|  |  |
| Iptables -t filter -P INPUT DROP | Droppen van binnekomende pakketten |
|  |  |
| Iptables -t filter -N niewuchainnaam |  |
|  |  |
| Iptables -X | Terug naar standaard tabel, verwijder alle custom chains |
| Iptables -F | Verwijder alle rules |
|  |  |
| Iptables -P INPUT ACCEPT |  |
|  |  |
| Iptables -A INPOUT -s 10.10.10.10 -p icmp -j DROP | Add regel  Drop alle pakketten van source 10.10.10.10 met protocol icmp |
|  |  |
| Less /etc/protocols | Kijken welke protocollen er zijn |
|  |  |
| Iptables -D INPUT 1 | Delete 1ste regel van de input chain |
|  |  |
| Iptables -A INPUT -p icmp -m limit –limit 1 -j ACCEPT | 1 icmp packet per seconde accepteren |
|  |  |
| Iptables -A INPUT -m state - -state RELATED, ESTABLISHED -j ACCEPT | Alle pakketten die je zelf hebt aangevraagd gaan accepteren |
|  |  |
|  |  |
| OPSLAAN |  |
| Iptables-save > /etc/sysconfig/iptables |  |
|  |  |
| Iptables -t nat -A POSTROUTING -o ‘interface naam (enp0s8)’ -j MASQUERADE | Masquerade zoals in hoofdstuk van natting, intern verkeer doorsturen naar het extern ip |
|  |  |
|  |  |
| SAMBA | SMB protocol  Service message block  Windows network neighbourhood naabootsen op linux |
|  |  |
| Hostnamectl set-hostname –static nasbox.testlan (vm1) |  |
| Hostnamectl set-hostname –static client1.testlan (vm2) |  |
|  |  |
| Dnf install samba |  |
| Dnf install samba-client (deze ook op 2de vm) |  |
| Useradd –create-home -G nasuser alice | Geef ook ww |
| Useradd –create-home -G nasuser bob | “”” |
|  |  |
| Smbpasswd -a alice | Samba password geven |
|  |  |
| Mkdir -p /srv/shares/{public, private} |  |
| Chgrp -R nasusres /srv/shares/\* |  |
| Chmod -R g+w /srv/shares/\* |  |
|  |  |
| Sestatus | Status van selinux |
|  |  |
| Setsebool -P samba\_enable\_home\_dirs 1 |  |
| Setsebool -P samba\_export\_all\_rw 1 |  |
|  |  |
| Ls -Z /srv/shares | Var\_t |
|  |  |
| Chcon -Rt sama\_share\_t /srv/shares |  |
| Semanage fcontext -a -t samba\_share\_t “/srv/shares(/.\*)?” |  |
|  |  |
| Restorecon -Rv /srv |  |
|  |  |
| Vim /etc/samba/smb.conf | Config file van samba |
|  |  |
|  |  |
| testparm | Testen of syntax van config bestand okay is |
|  |  |
|  |  |
| Vim /etc/samba/smb.conf  [global]  # Server information  netbios name = NASBOX  workgroup = TESTLAN  server string = File server  # Logging  log file = /var/log/samba/samba.log  max log size = 5000  # Authentication  security = user  passdb backend = tdbsam  map to guest = bad user  # Name resolution: make sure \\NASBOX\ works  wins support = yes  # Don't load printers  load printers = no  printing = bsd  printcap name = /dev/null  disable spoolss = yes  ## Make home directories accessible  [homes]  comment = Home Directories  browseable = no  writable = yes  ## Public share  # -Read access for guests  # -Write access for registered users  [public]  comment = Public share  path = /srv/shares/public  public = yes  write list = +nasusers  force group = nasusers  create mask = 0660  create mode = 0660  force create mode = 0660  directory mask = 0770  directory mode = 0770  force directory mode = 0770  ## Private share  # Only accessible for registered users  [private]  comment = Private share  path = /srv/shares/private  valid users = +nasusers  writable = yes  force group = nasusers  create mask= 0660  create mode = 0660  force create mode = 0660  directory mask = 0770  directory mode = 0770  force directory mode = 0770 | Alles loggin in deze log file  Bij foute user auth 🡪 guest    Geen gebruik van printers  Home toegankelijk maken  Wel schrijven niet lezen |
|  |  |
| Systemctl restart nmb && systemctl restart smb | Ook enablen |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
| **Samba firewall settings** |  |
|  |  |
| Systemctl status smb  Systemctl status nmb |  |
|  |  |
|  | Kijken naar welke poorten er open staan voor samba |
|  |  |
| Settings voor de firewall (iptables)  # iptables -P INPUT REJECT  # iptables -A INPUT -m state --state NEW -m tcp -p tcp -dport 139 -j ACCEPT  # iptables -A INPUT -m state --state NEW -m tcp -p tcp -dport 445 -j ACCEPT  # iptables -A INPUT -m udp -p udp --dport 137 -j ACCEPT  # iptables -A INPUT -m udp -p udp --dport 138 -j ACCEPT  OPSLAAN:  # cp /etc/sysconfig/iptables /etc/sysconfig/iptables.original  # iptables-save (groterdanteken) /etc/sysconfig/iptables |  |
|  |  |
| Firewalld |  |
| Firewall-cmd –permanent –add-service=samba –zone=internal |  |
|  |  |
| Systemctl restart firewalld |  |
|  |  |
| Dnf install nmap |  |
|  |  |
| Nmap -sU -p 137,138 10.10.10.1 |  |
|  |  |
| Nmblookup nasbox | netbioslookup |
|  |  |
| Smbclient //localhost/public -U alice |  |
|  |  |
|  |  |
| **Printseervers & CUPS** |  |
|  |  |
| CUPS Web based tool  Cups config files via vim  Third party software  Gnome settings |  |
|  |  |
| Dnf install cups && dnf install httpd | Start & enable |
| Cups luistert naar poort 631 |  |
| http://localhost:631 |  |
|  |  |
| https://download-ib01.fedoraproject.org/pub/epel/7/x86­­\_64/Packages/c/cups-pdf-2.6.1-7.el7.x86\_64.rpm |  |
|  |  |
| Rpm -ivh cups-… |  |
|  |  |
| Config files |  |
| /etc/cups -> cupsd.conf |  |
| Vim /etc/cups/cupsd.conf |  |
| Vim /etc/cups/printers.conf |  |
| Vim /etc/cups/cups-pdf.conf |  |
| Out ${DESKTOP} | Naar welke map het bestand moet geprint worden |
|  |  |
| COMMANDO’s |  |
|  |  |
| Lpr | Printen |
| Lpq | Inhoud van printer queue bekijken |
| Lpc | Printer controlling |
| Lprm | Jobs verwijderen uit printer |
|  |  |
| Cupsdisable | Printers disable(allemaal |
| Cupsdisable cups-pdf | Disable alleen cups-pdf |
| cupsenable | Alle printers enablen |
|  |  |
| Localhost:631 | Klik printers  Kies je printer  Maintenance -> pause printer  Administration -> set as server default |
| Ls -l | lpr |  |
| Echo “dit is een test” >> testje.txt  Lpr -P Cups-PDF -#2 testje.txt | 2x afdrukken |
|  |  |
| Lprm -P Cups-PDF | Verwijderen van job |
|  |  |
| Sharing:: |  |
| Protcollen:  IPP  LPD  HP Jetdirect  Apple Airprint  Google Cloud Print  Om discoverable te maken:  Samba  avahi |  |
|  |  |
| Om te delen van de Cups-PDF printer:: |  |
| Cupsctl –share-printers  Cupsctl –share-printers –remote-any  Systemctl stop firewalld  Lpadmin -p cups-pdf -o printer-is-shared=true |  |
|  |  |
| Systemctl status avahi-deamon |  |
|  |  |
| (Op 2de vm) dnf install -y httpd  Systemctl start cups   * Administration * Find new printer * (werkt dit niet, zet firewall uit) * Add ppd file * Add printer |  |
|  |  |
| Printer delen via samba |  |
| Vim /etc/samba/smb.conf  #load printers = no  #printing = bsd  #printcap name = /dev/null  #disable spoolss = yes  [global]  Load printers = yes  Cups options = raw  Printing = cups  [printers]  Comment = all printers  Path = /var/spool/samba  Browsable = yes  Guest ok = no  Writeable = no  Printable = yes | Comment deze lines  Zie ook /etc/samba/smb.conf.example |
| Testparm  Systemctl restart smb && nmb |  |
|  |  |
| Smbclient -L 10.10.10.1 -U% |  |
|  |  |
| Add printer in localhost:631 opp tweede machine |  |
|  |  |
|  |  |
|  |  |
|  |  |
| NFS |  |
| Dnf install nfs-utils |  |
| Rpm -qd nfs-utils | less |  |
| Systemctl start nfs-server | & enable |
|  |  |
|  |  |
| Mkdir -p /misc/projectX |  |
|  |  |
| Vim /etc/exports  /home 10.10.10.0/24(ro)#delen met subnet read only  /misc/project 10.10.10.10(rw,async) 10.10.10.11(rw,async) | :wq |
|  |  |
| Exportfs -a -r -v |  |
|  |  |
| Mkdir /geheim |  |
| Mkdir -p /export/users |  |
|  |  |
| Mount –bind /geheim /export/users |  |
|  |  |
| Vim /etc/fstab  /geheim /export/users none bind 0 0 |  |
|  |  |
| Vim /etc/exports  --  /export/users \*(rw) | :wq |
|  |  |
| Exportfs -a -r -v |  |
|  |  |
| Firewall-cmd –permanent –add-service=nfs |  |
| Firewall-cmd –permanent –add-service=rpc-bind |  |
| Firewall-cmd –permanent –add-service=mountd |  |
| Firewall-cmd –reload |  |
|  |  |
| Getsebool -a | grep nfs |  |
|  |  |
| Setsebool -P use\_nfs\_home\_dirs on  # of  Semanage fcontext -a -t public\_content\_rw\_t “/jemap(/.\*)?”  Restorecon -F -R -v “/jemap”  Chmod o+rw /misc/projectX |  |
| \*\*\*op vm 2 |  |
| Showmount -e “ip van vm1” |  |
|  |  |
| Mkdir /projectX |  |
| Mount 10.10.10.1:/misc/projectX /projectX  Mount -t nfs4 |  |
|  |  |
| Vim /etc/fstab  \_\_  10.10.10.1:/misc/projectX /projectX nfs rsize=8192,wsize=8192 0 0 |  |
|  |  |
| Dnf install autofs |  |
|  |  |
| Systemctl start autofs | En enable |
|  |  |
| Cd /net/10.10.10.1 |  |
|  |  |
| Umount /projectX  Umount 10.10.10.1:/misc/projectX  Delete de mount in /etc/fstab |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Graphical user interface, text, application, email

Description automatically generated