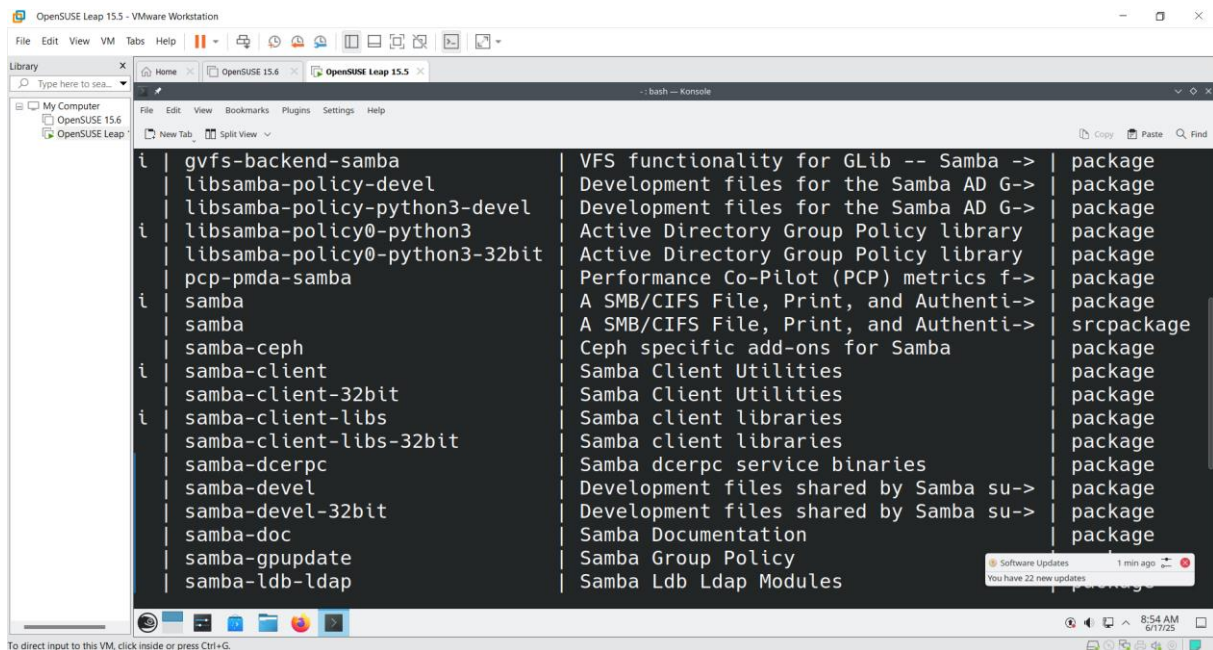
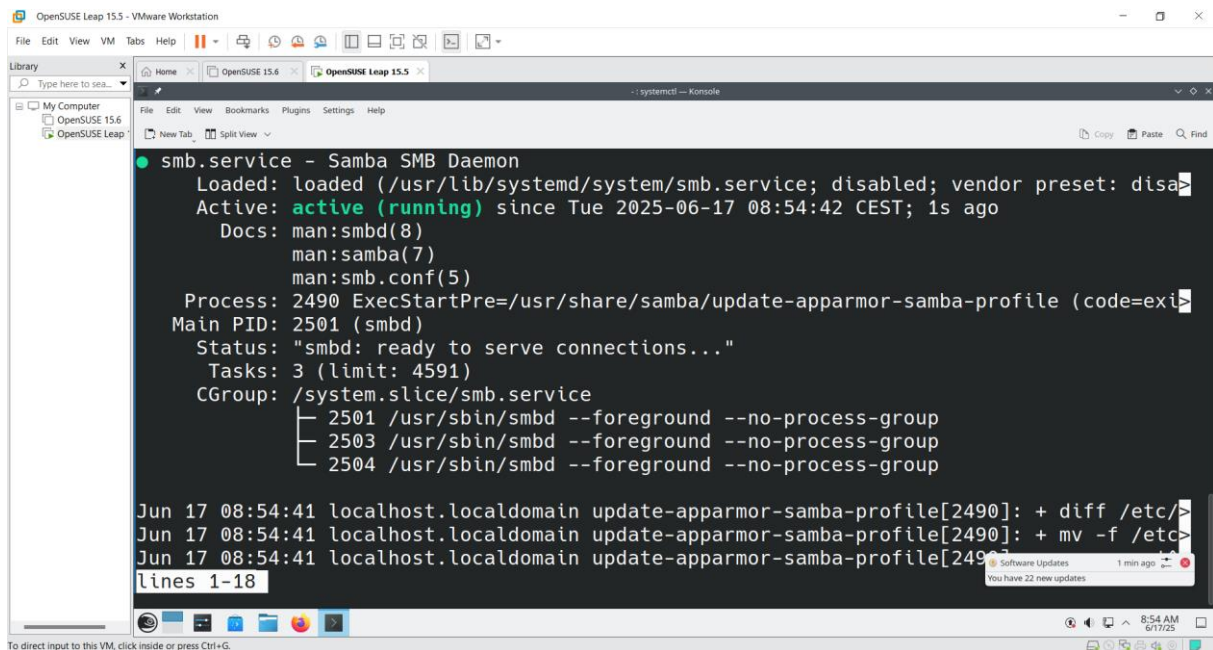


Samba



This screenshot shows a terminal window in OpenSUSE Leap 15.5. The terminal displays a list of Samba-related packages and their descriptions. The packages are listed in two columns, with descriptions on the right. A software updates notification is visible in the bottom right corner.

```
i | gvfs-backend-samba | VFS functionality for GLib -- Samba -> | package
i | libsamba-policy-devel | Development files for the Samba AD G-> | package
i | libsamba-policy-python3-devel | Development files for the Samba AD G-> | package
i | libsamba-policy0-python3 | Active Directory Group Policy library | package
i | libsamba-policy0-python3-32bit | Active Directory Group Policy library | package
i | pcp-pmda-samba | Performance Co-Pilot (PCP) metrics f-> | package
i | samba | A SMB/CIFS File, Print, and Authenti-> | package
i | samba | A SMB/CIFS File, Print, and Authenti-> | srcpackage
i | samba-ceph | Ceph specific add-ons for Samba | package
i | samba-client | Samba Client Utilities | package
i | samba-client-32bit | Samba Client Utilities | package
i | samba-client-libs | Samba client libraries | package
i | samba-client-libs-32bit | Samba client libraries | package
i | samba-dcerpc | Samba dcerpc service binaries | package
i | samba-devel | Development files shared by Samba su-> | package
i | samba-devel-32bit | Development files shared by Samba su-> | package
i | samba-doc | Samba Documentation | package
i | samba-gpupdate | Samba Group Policy | package
i | samba-ldb-ldap | Samba Ldb Ldap Modules | package
```

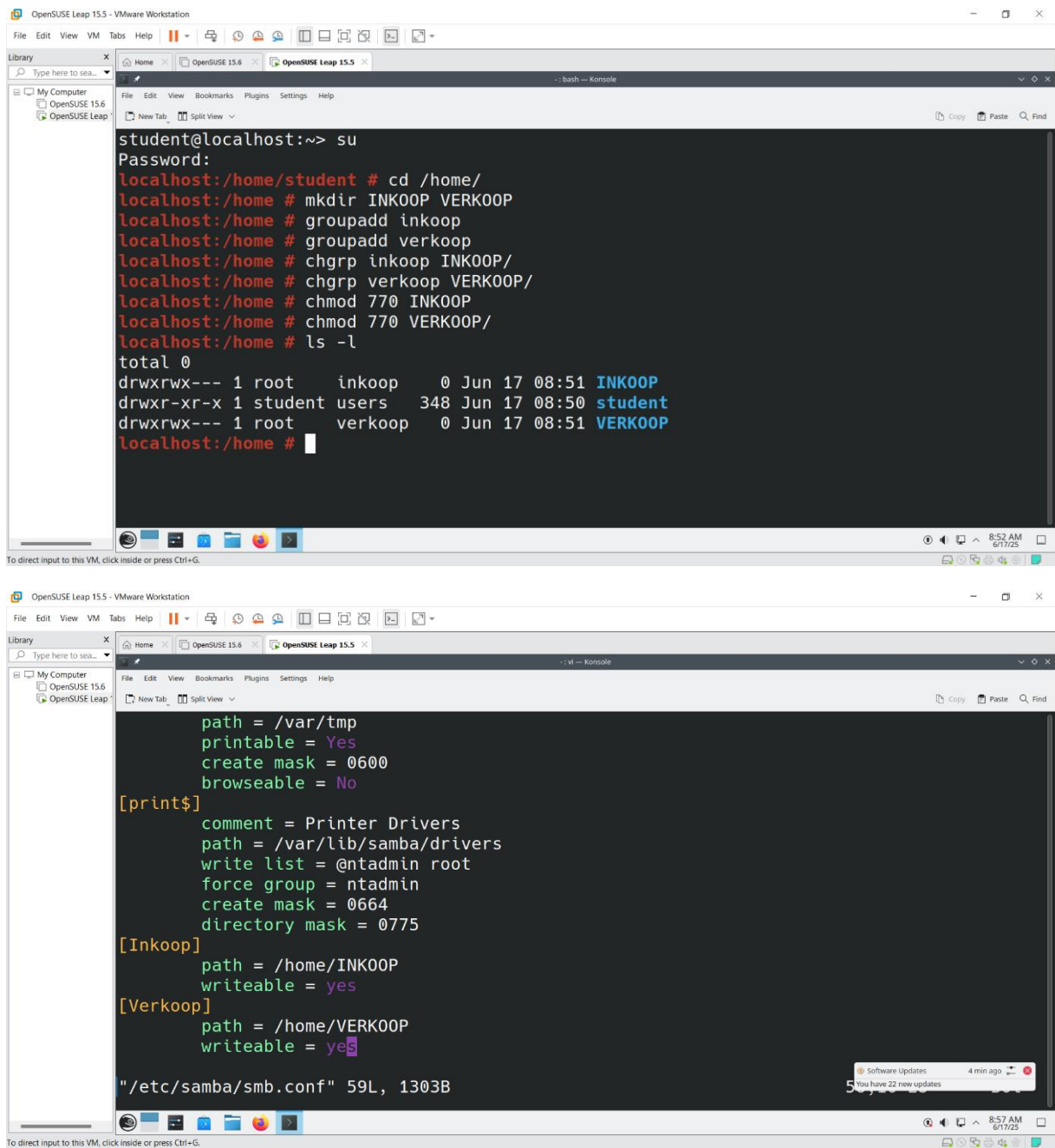


This screenshot shows a terminal window in OpenSUSE Leap 15.5. The terminal displays the status of the smb.service. The service is loaded and active (running). The terminal also shows the process details for the smb.service, including the main PID and the tasks running under it. A software updates notification is visible in the bottom right corner.

```
● smb.service - Samba SMB Daemon
   Loaded: loaded (/usr/lib/systemd/system/smb.service; disabled; vendor preset: disabled)
   Active: active (running) since Tue 2025-06-17 08:54:42 CEST; 1s ago
     Docs: man:smbd(8)
           man:samba(7)
           man:smb.conf(5)
  Process: 2490 ExecStartPre=/usr/share/samba/update-apparmor-samba-profile (code=exited, status=0/SUCCESS)
 Main PID: 2501 (smbd)
   Status: "smbd: ready to serve connections..."
    Tasks: 3 (limit: 4591)
   CGroup: /system.slice/smb.service
           └─ 2501 /usr/sbin/smbd --foreground --no-process-group
              2503 /usr/sbin/smbd --foreground --no-process-group
              2504 /usr/sbin/smbd --foreground --no-process-group

Jun 17 08:54:41 localhost.localdomain update-apparmor-samba-profile[2490]: + diff /etc/>
Jun 17 08:54:41 localhost.localdomain update-apparmor-samba-profile[2490]: + mv -f /etc/>
Jun 17 08:54:41 localhost.localdomain update-apparmor-samba-profile[2490]: + mv -f /etc/>
lines 1-18
```

Samba configuratie



The image consists of two screenshots of a terminal window running on OpenSUSE Leap 15.5. The terminal shows the execution of commands to create groups and directories for Samba, followed by the configuration of the smb.conf file.

```
student@localhost:~> su
Password:
localhost:/home/student # cd /home/
localhost:/home # mkdir INK00P VERK00P
localhost:/home # groupadd inkoop
localhost:/home # groupadd verkoop
localhost:/home # chgrp inkoop INK00P/
localhost:/home # chgrp verkoop VERK00P/
localhost:/home # chmod 770 INK00P
localhost:/home # chmod 770 VERK00P/
localhost:/home # ls -l
total 0
drwxrwx--- 1 root    inkoop    0 Jun 17 08:51 INK00P
drwxr-xr-x 1 student users    348 Jun 17 08:50 student
drwxrwx--- 1 root    verkoop    0 Jun 17 08:51 VERK00P
localhost:/home #
```

```
path = /var/tmp
printable = Yes
create mask = 0600
browseable = No

[print$]
comment = Printer Drivers
path = /var/lib/samba/drivers
write list = @ntadmin root
force group = ntadmin
create mask = 0664
directory mask = 0775

[Inkoop]
path = /home/INK00P
writeable = yes

[Verkoop]
path = /home/VERK00P
writeable = yes

"/etc/samba/smb.conf" 59L, 1303B
```

The terminal window also shows a software update notification in the bottom right corner: "Software Updates 4 min ago You have 22 new updates".

OpenSUSE Leap 15.5 - VMware Workstation

```
localhost:/home # useradd user1
localhost:/home # useradd user2
localhost:/home # passwd user1
New password:
BAD PASSWORD: it is too short
BAD PASSWORD: is too simple
Retype new password:
passwd: password updated successfully
localhost:/home # useradd user2
useradd: user 'user2' already exists
localhost:/home # passwd user2
New password:
BAD PASSWORD: it is too short
BAD PASSWORD: is too simple
Retype new password:
passwd: password updated successfully
localhost:/home # smbpasswd -a user1
New SMB password:
Retype new SMB password:
Added user user1.
localhost:/home # smbpasswd -a user2
New SMB password:
Retype new SMB password:
Added user user2.
localhost:/home #
```

Software Updates 5 min ago
You have 22 new updates

8:58 AM 6/17/25

To direct input to this VM, click inside or press Ctrl+G.

OpenSUSE Leap 15.5 - VMware Workstation

```
localhost:/home # useradd user2
useradd: user 'user2' already exists
localhost:/home # passwd user2
New password:
BAD PASSWORD: it is too short
BAD PASSWORD: is too simple
Retype new password:
passwd: password updated successfully
localhost:/home # smbpasswd -a user1
New SMB password:
Retype new SMB password:
Added user user1.
localhost:/home # smbpasswd -a user2
New SMB password:
Retype new SMB password:
Added user user2.
localhost:/home # usermod -aG inkoop user1
localhost:/home # usermod -aG verkoop user2
localhost:/home #
```

Software Updates 6 min ago
You have 22 new updates

8:59 AM 6/17/25

To direct input to this VM, click inside or press Ctrl+G.

Apache

This screenshot shows a terminal window in a VMware Workstation environment. The user is working in the `/srv/www/vhosts` directory. They have created two subdirectories, `ayan.com` and `pepijn.org`, each containing an `index.html` file. The `ayan.com/index.html` file contains the text "Hallo Mondriaan, Welkom bij SE3A-B en C". The `pepijn.org/index.html` file contains the text "Hello World! My name is Ayaaaaaaaaaaaaaaaaaaaaan!!!!!!". The terminal output shows the commands used to create the directories and files, and the `tree` command output showing the directory structure.

```
localhost:/srv/www/vhosts # ls
localhost:/srv/www/vhosts # mkdir ayan.com pepijn.org
localhost:/srv/www/vhosts # ls
ayan.com pepijn.org
localhost:/srv/www/vhosts # vi ayan.com/index.html
localhost:/srv/www/vhosts # vi pepijn.org/index.html
localhost:/srv/www/vhosts # cat pepijn.org/index.html
Hallo Mondriaan, Welkom bij SE3A-B en C
localhost:/srv/www/vhosts # cat ayan.com/index.html
Hello World! My name is Ayaaaaaaaaaaaaaaaaaaaaan!!!!!!
localhost:/srv/www/vhosts # tree
.
├── ayan.com
│   └── index.html
└── pepijn.org
    └── index.html

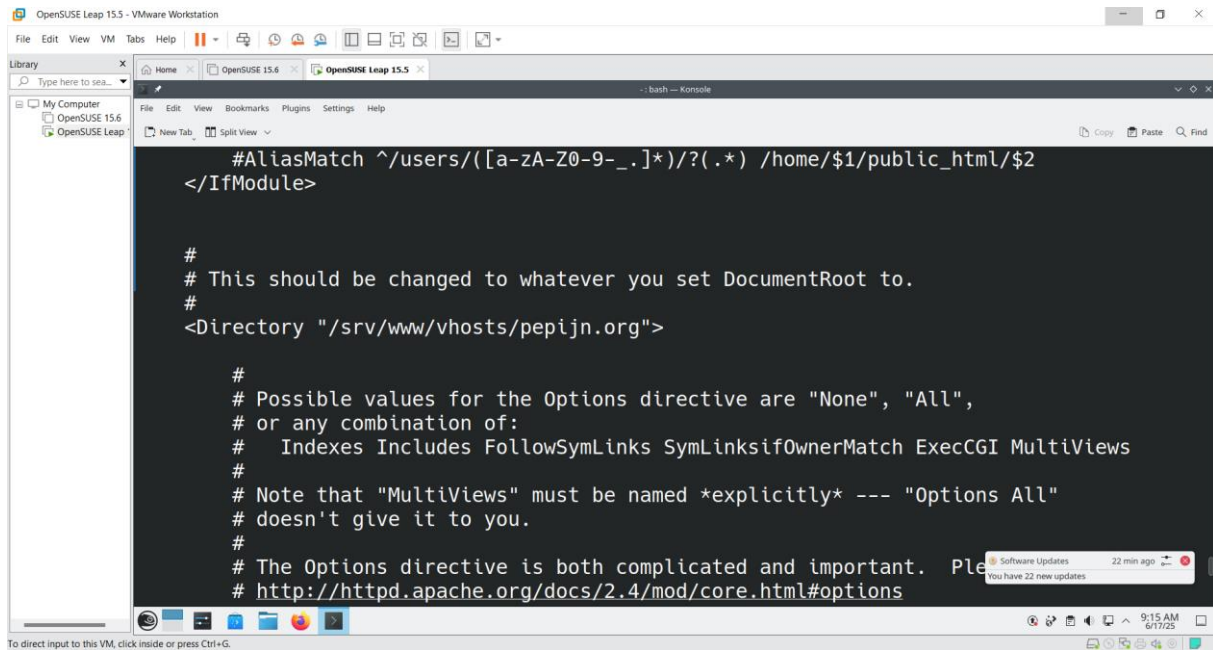
2 directories, 2 files
localhost:/srv/www/vhosts #
```

This screenshot shows a terminal window in a VMware Workstation environment. The user is editing an Apache configuration file. The snippet shows a `VirtualHost` configuration for `http://www.example.com/users/karl-heinz/`. The `DocumentRoot` is set to `/home/karl-heinz/public_html/`. The `AliasMatch` directive is used to match the path `^/users/([a-zA-Z0-9-_.]*)/(.*)` to the `DocumentRoot`. The `Directory` directive is used to configure the `/srv/www/vhosts/ayan.com` directory. The `Options` directive is set to `All`, which includes `Indexes`, `Includes`, `FollowSymLinks`, `SymLinksifOwnerMatch`, `ExecCGI`, and `MultiViews`. The `MultiViews` option is explicitly named. The terminal output shows the configuration snippet and the `8 substitutions on 8 lines` message.

```
# http://www.example.com/users/karl-heinz/ --> /home/karl-heinz/public_html/
#AliasMatch ^/users/([a-zA-Z0-9-_.]*)/(.*) /home/$1/public_html/$2
</IfModule>

#
# This should be changed to whatever you set DocumentRoot to.
#
<Directory "/srv/www/vhosts/ayan.com">

#
# Possible values for the Options directive are "None", "All",
# or any combination of:
#   Indexes Includes FollowSymLinks SymLinksifOwnerMatch ExecCGI MultiViews
#
# Note that "MultiViews" must be named *explicitly* --- "Options All"
# doesn't give it to you.
#
8 substitutions on 8 lines
```

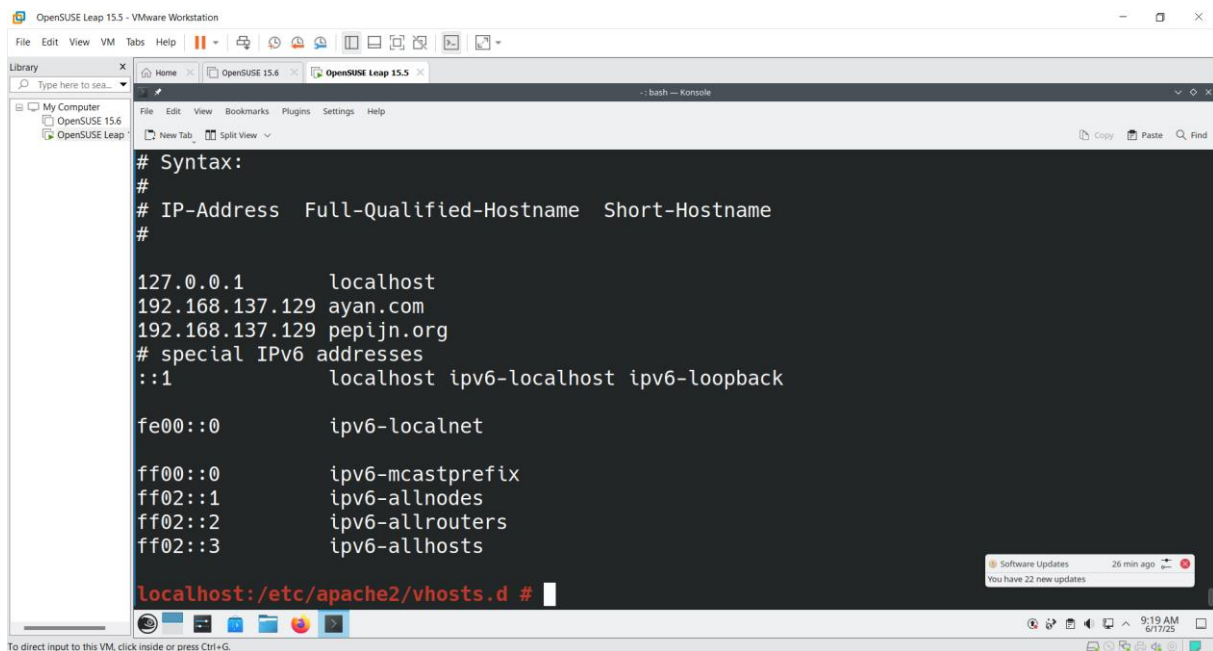
This screenshot shows a terminal window in a VMware Workstation environment, running OpenSUSE Leap 15.5. The terminal displays the configuration for the `<Directory>` directive in an Apache `VirtualHost` block. The configuration includes comments about the `Options` directive and a link to the Apache documentation.

```
#AliasMatch ^/users/([a-zA-Z0-9-_.]*)/?(.*) /home/$1/public_html/$2
</IfModule>

#
# This should be changed to whatever you set DocumentRoot to.
#
<Directory "/srv/www/vhosts/pepijn.org">

#
# Possible values for the Options directive are "None", "All",
# or any combination of:
#   Indexes Includes FollowSymLinks SymLinksifOwnerMatch ExecCGI MultiViews
#
# Note that "MultiViews" must be named *explicitly* --- "Options All"
# doesn't give it to you.
#
# The Options directive is both complicated and important. Please see
# http://httpd.apache.org/docs/2.4/mod/core.html#options
```

The terminal window has a menu bar (File, Edit, View, Bookmarks, Plugins, Settings, Help) and a toolbar. A sidebar on the left shows the file system structure. A status bar at the bottom indicates the time is 9:15 AM on 6/17/25.



This screenshot shows a terminal window in a VMware Workstation environment, running OpenSUSE Leap 15.5. The terminal displays the syntax for IP addresses in the `VirtualHost` block, including examples for IPv4 and IPv6 addresses.

```
# Syntax:
#
# IP-Address  Full-Qualified-Hostname  Short-Hostname
#
127.0.0.1      localhost
192.168.137.129 ayan.com
192.168.137.129 pepijn.org
# special IPv6 addresses
::1           localhost ipv6-localhost ipv6-loopback

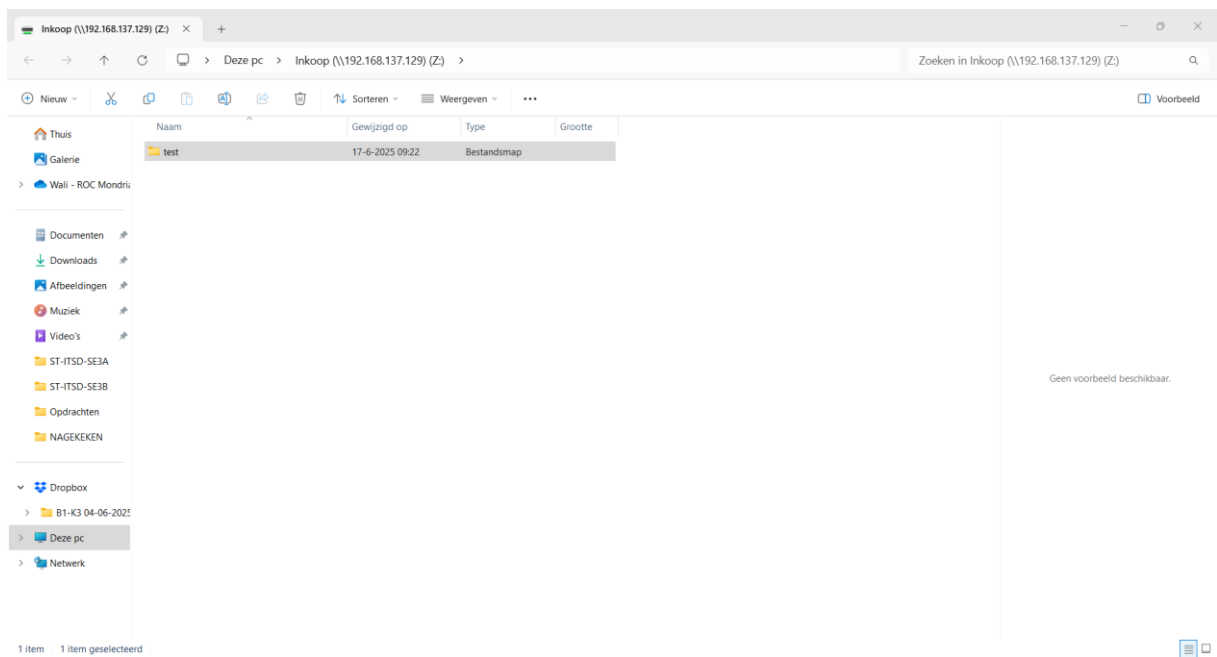
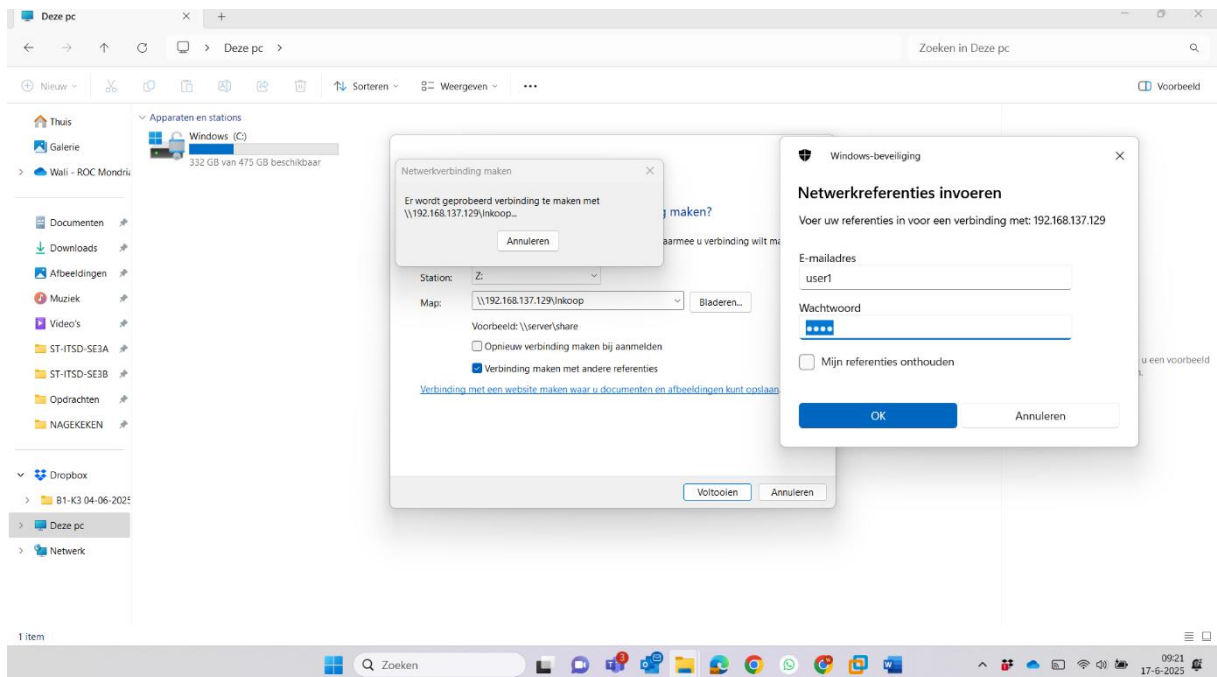
fe00::0       ipv6-localnet

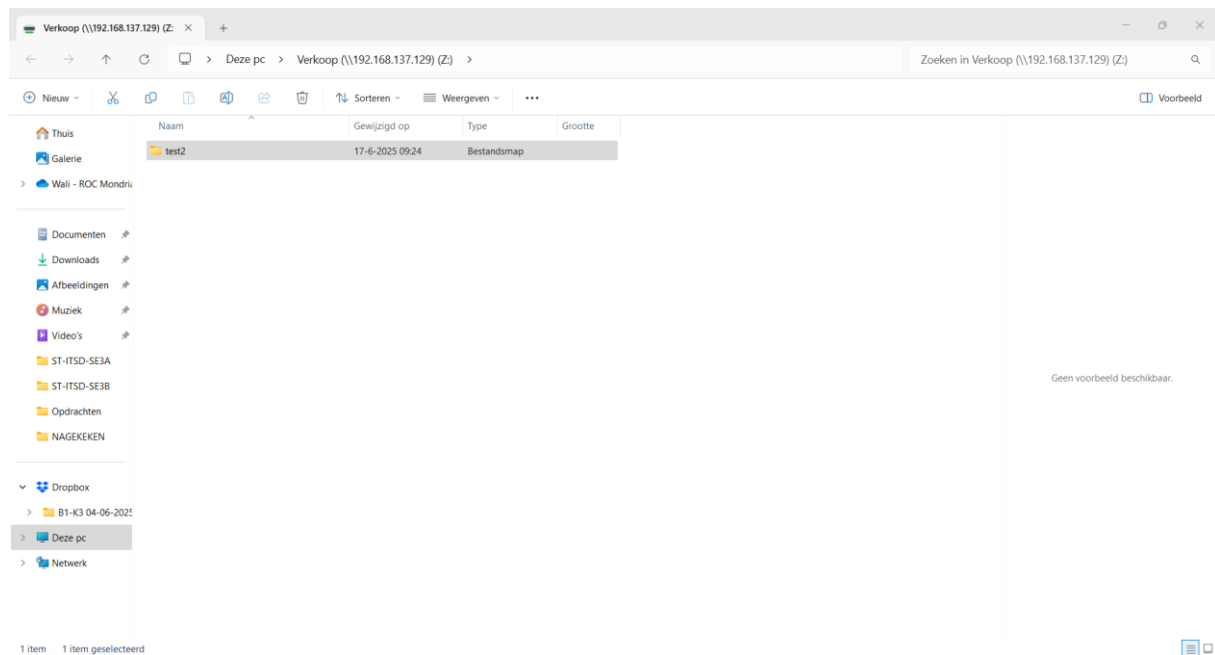
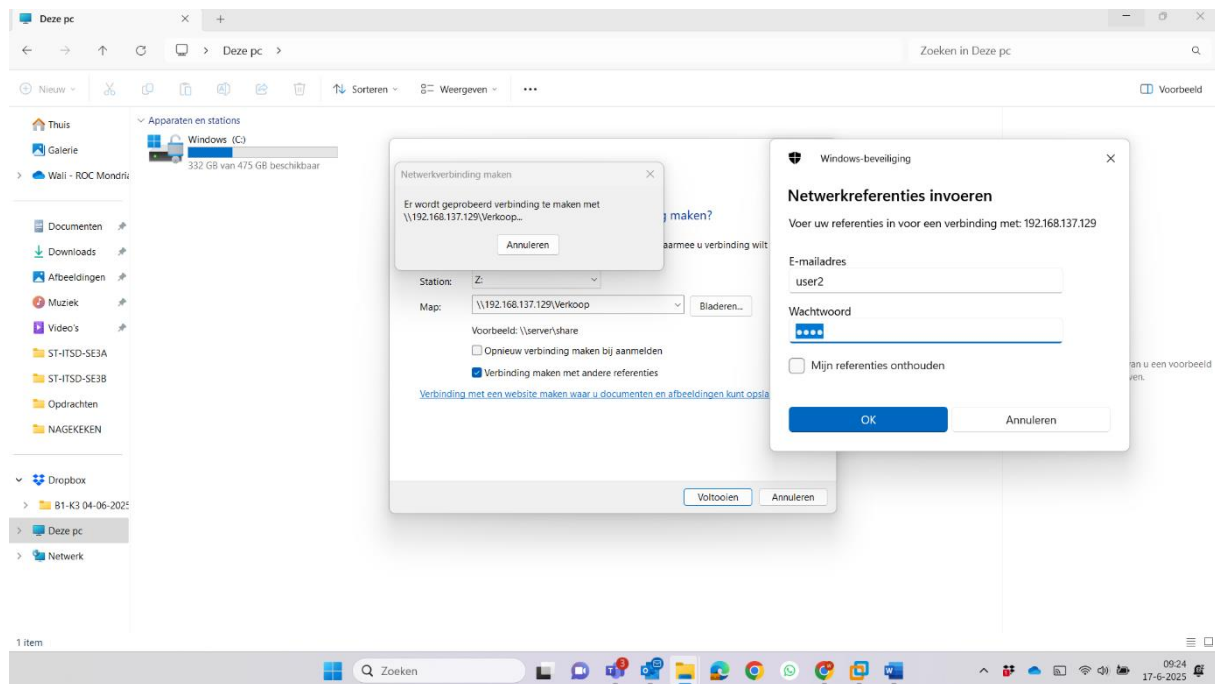
ff00::0       ipv6-mcastprefix
ff02::1       ipv6-allnodes
ff02::2       ipv6-allrouters
ff02::3       ipv6-allhosts

localhost:/etc/apache2/vhosts.d #
```

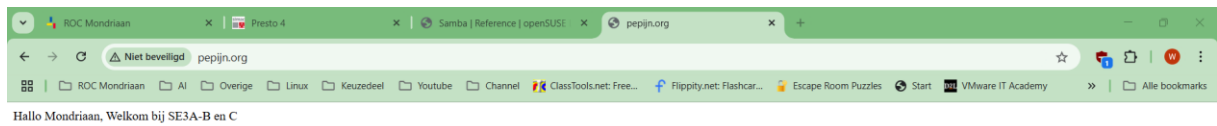
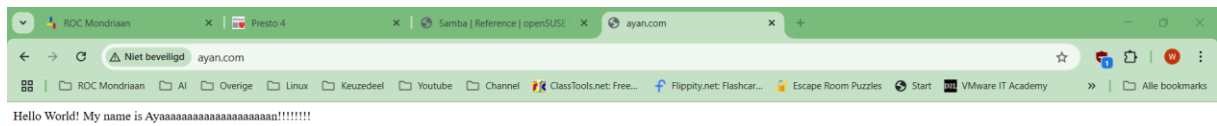
The terminal window has a menu bar (File, Edit, View, Bookmarks, Plugins, Settings, Help) and a toolbar. A sidebar on the left shows the file system structure. A status bar at the bottom indicates the time is 9:19 AM on 6/17/25.

Testen van de shares en websites

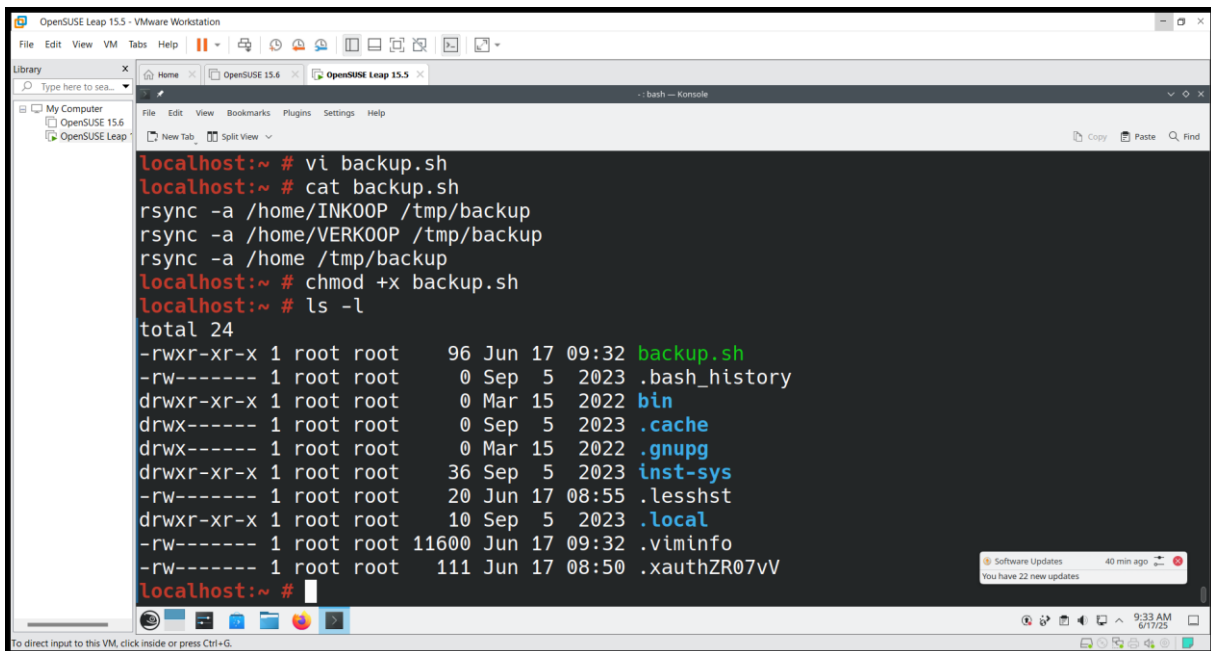




Test websites

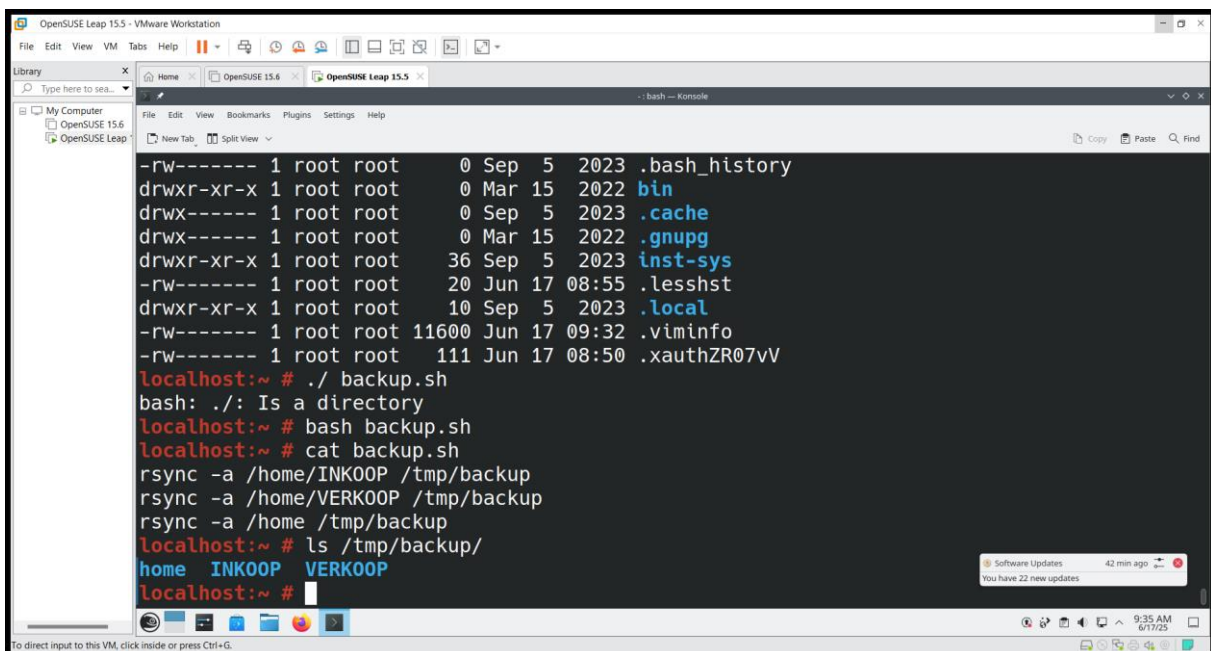


Backup



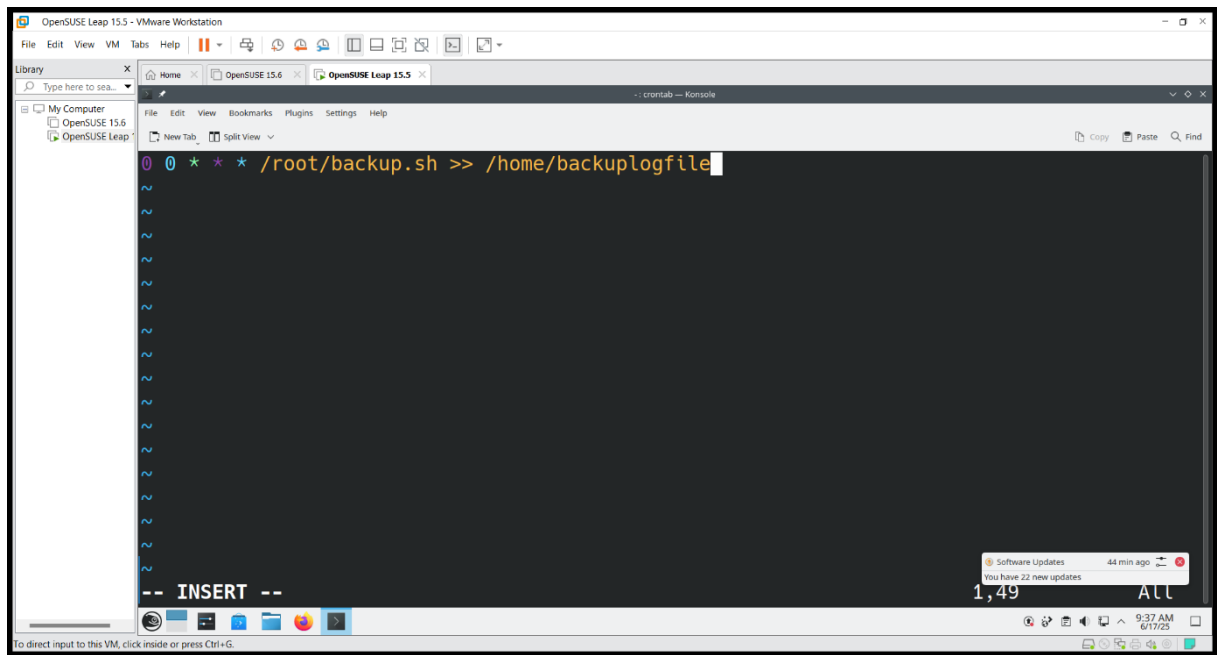
The screenshot shows a terminal window in a VM workstation. The user has created a script named `backup.sh` and listed its contents. The script uses `rsync` to back up the `/home` directory to `/tmp/backup`. The `ls -l` command shows the script is executable and located in the current directory.

```
localhost:~ # vi backup.sh
localhost:~ # cat backup.sh
rsync -a /home/INKOOP /tmp/backup
rsync -a /home/VERKOOP /tmp/backup
rsync -a /home /tmp/backup
localhost:~ # chmod +x backup.sh
localhost:~ # ls -l
total 24
-rwxr-xr-x 1 root root 96 Jun 17 09:32 backup.sh
-rw----- 1 root root 0 Sep 5 2023 .bash_history
drwxr-xr-x 1 root root 0 Mar 15 2022 bin
drwx----- 1 root root 0 Sep 5 2023 .cache
drwx----- 1 root root 0 Mar 15 2022 .gnupg
drwxr-xr-x 1 root root 36 Sep 5 2023 inst-sys
-rw----- 1 root root 20 Jun 17 08:55 .lessht
drwxr-xr-x 1 root root 10 Sep 5 2023 .local
-rw----- 1 root root 11600 Jun 17 09:32 .viminfo
-rw----- 1 root root 111 Jun 17 08:50 .xauthZR07vV
localhost:~ #
```

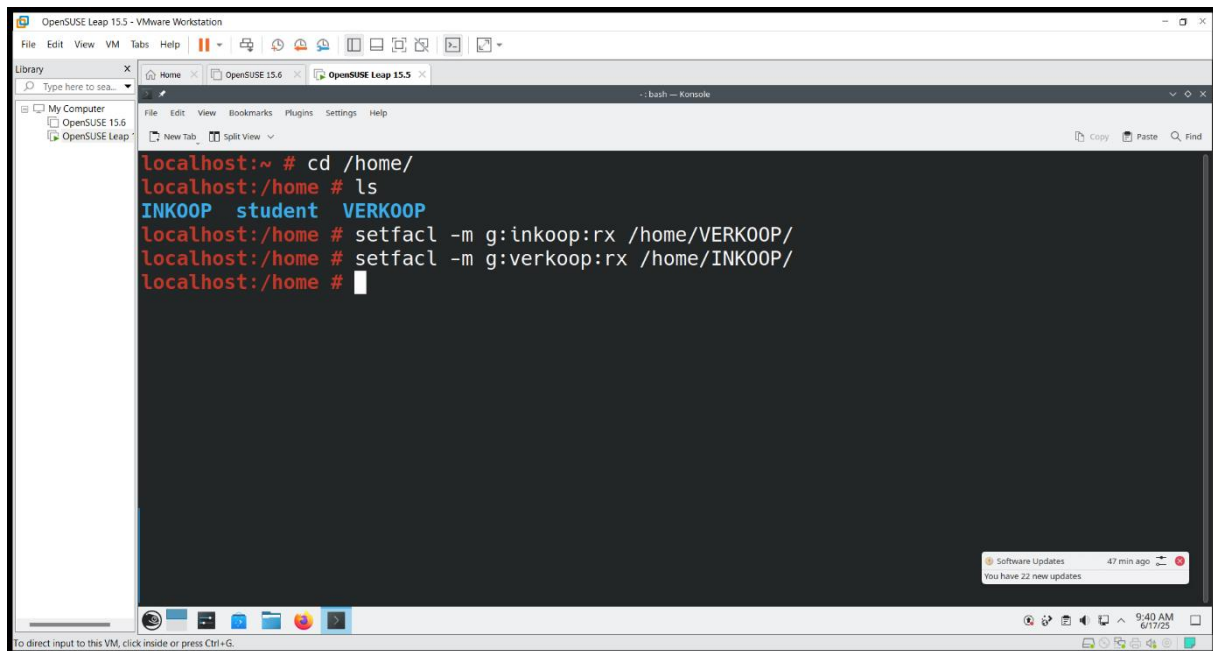


The screenshot shows the terminal after the `backup.sh` script has been executed. The script ran successfully, creating the `/tmp/backup` directory. The user then listed the contents of the backup directory, showing the files from the `/home` directory have been copied.

```
localhost:~ # ./ backup.sh
bash: ./: Is a directory
localhost:~ # bash backup.sh
localhost:~ # cat backup.sh
rsync -a /home/INKOOP /tmp/backup
rsync -a /home/VERKOOP /tmp/backup
rsync -a /home /tmp/backup
localhost:~ # ls /tmp/backup/
home INKOO VERKOO
localhost:~ #
```



Rechten:



Inloggen bij Verkoop met de user inkoop:

