

Difficulté



Moyen

Configuration of my Fedora23 MATE

Authentication on the SME-server

[Authentication client Fedora on SME-server via sssd ldap](#)

SSH connection to the SME and mounting the SME on the Fedora

[Connection SSH of the Fedora 22 from the SME](#)

Installation of supplementary repositories:

- Installation of both free and non-free repos of RPMFusion:

```
su -c 'dnf install  
http://download1.rpmfusion.org/free/fedora/rpmfusion-free-release-$(rpm  
-E %fedora).noarch.rpm \  
http://download1.rpmfusion.org/nonfree/fedora/rpmfusion-nonfree-release  
-$(rpm -E %fedora).noarch.rpm'
```

Small settings

Icons for shortcuts on the desktop

are here

```
/usr/share/oxygen/32x32/
```

Add general packages

```
sudo dnf install dia xsane gimp numlockx wget gvfs-smb darktable gvfs-mtp  
unetbootin musescore unrar
```

Add specific programmes

- learning vocabulary: anki
- mass file renaming: metamorphose2

Install libre-office

```
sudo dnf install libreoffice-calc libreoffice-draw libreoffice-impress  
libreoffice-langpack-fr \  
libreoffice-langpack-de libreoffice-langpack-en libreoffice-writer
```

Multimedia

- installation of kdenlive

```
sudo dnf install kdenlive
```

but it is possible that kdenlive can't browse into the directories. So it is necessary to install additionally packages (source: <http://forums.fedoraforum.org/showthread.php?p=1756473>)

```
sudo dnf install kf5-kio.i686 kf5-kio.x86_64 krb5-pkinit.x86_64 kf5-  
kinit-devel.i686 kf5-kinit-devel.x86_64 kf5-kinit.i686 kf5-kinit.x86_64  
kstart.x86_64
```

but maybe

```
sudo dnf install kdenlive kf5-frameworkintegration.x86_64
```

(<https://forum.kde.org/viewtopic.php?f=265&t=130422>) is sufficient???

Enable rc.local

- create and configure the file /etc/rc.d/rc.local and give execution permissions (chmod 755)

```
sudo nano /etc/rc.d/rc.local
```

and enter in it:

```
#!/bin/bash
```

and then

```
sudo chmod +x /etc/rc.d/rc.local
```

- Start the service rc.local:

```
sudo systemctl start rc-local.service
sudo systemctl enable rc-local.service
sudo systemctl status rc-local.service
```

Enable the Wake-on-Lan

- Instal «ethtool»

```
sudo dnf install ethtool
```

- Find the name of the interface you want to “wake up”:

```
ifconfig
```

- Check if the WOL is active / make it active:

```
sudo ethtool <my_interface>
```

should / must give Wake-on: g to have the WOL active. Wake-on: d means «disactive». Then add in /etc/sysconfig/network-scripts/ifcfg-my_interface:

```
ETHTOOL_OPTS="wol g"
```

- Add in /etc/rc.d/rc.local:

```
/usr/sbin/ethtool -s enp5s0 wol g
```

- Restart. The WOL should now work (ethtool returns Wake-on: g)



Don't forget to configure the Bios to support the WOL too!!

Enable automatically the numeric pad

Use and configure numlockx:

- for the sessions: add “greeter-setup-script=/usr/bin/numlockx on” in the section [seatDefaults] of the file

```
/etc/lightdm/lightdm.conf
```

- for the terminals, add following in /etc/rc.d/rc.local

```
# Turn Numlock on for the TTYs:
for tty in /dev/tty[1-6]; do
  /usr/bin/setleds -D +num < $tty
```

done

Exfat

Mounting exfat file system (SD cards)

```
sudo dnf install fuse-exfat
```

Installation of DisplayCAL

For calibrating the monitors.

Got to the installation instructions of [DisplayCAL](#), choose the OS and simply download the rpm.

Installation of a Flash-player:

```
sudo rpm -ivh  
http://linuxdownload.adobe.com/adobe-release/adobe-release-x86_64-1.0-1.noar  
ch.rpm  
sudo rpm --import /etc/pki/rpm-gpg/RPM-GPG-KEY-adobe-linux  
sudo dnf install flash-plugin
```

Installation of the polices M\$: «msttcorefonts»:

Download follwing rpm and install locally:

```
wget  
ftp://fr2.rpmfind.net/linux/sourceforge/p/po/postinstaller/fedora/releases/2  
3/x86_64/msttcorefonts-2.5-2.fc23.noarch.rpm  
sudo dnf install msttcorefonts-2.5-2.fc23.noarch.rpm
```

Wallpapers on the desktop

[Wallpapers on desktop:](#)

Diashow for the screensaver

from Caja, create a link to ~/Wallpaper with a right clic and save this link under "Pictures".
In the configuration of the screensaver, select "pictures folder".

Printers

for my HP printer:

```
sudo dnf install hplip-gui system-config-printer
```

hplip-gui seems to be necessary to allow Xsane to detect the scanner (USB plugged).

Email / Calendar / Address book

I wanted to have clients for emails, calendar (calDAV) and address-book (cardDAV). It must not be a all-in-one solution.

The only not-too-bad solution I found is called "Evolution". It can natively do all these jobs without any plugin.

```
sudo dnf remove claws-mail
sudo dnf install evolution
```

Enable backups by BackupPC of the SME

Source: <http://geekeries.de-labrusse.fr/?p=2586>

To make backups possible, the user "backuppc" of the SME must be able to connect via ssh to this client Fedora without entering any password. Therefore the user "backuppc" must have a private ssh-key without passphrase and the public key must be send to the client Fedora.

On the SME-server:

```
su -s /bin/bash backuppc #
to login with the user backuppc
ssh-keygen -t rsa -b 2048 #
if no key have been created previously # without passphrase
ssh-copy-id -i ~backuppc/.ssh/id_rsa.pub root@ip_of_the_client_Fedora #
to send the public key

## Test: ##
ssh root@ip_of_the_client_Fedora # a
connexion without entering password should be working
exit #
to close the connexion to fedora
exit #
to logout the user backuppc
```

Upgrading Fedora22 --> Fedora23

- ownCloud has to be removed, as well as the corresponding repo

```
sudo rm /etc/yum.repos.d/isv\:\ownCloud\:desktop.repo
```

- proceed the upgrade:

```
dnf install dnf-plugin-system-upgrade
dnf system-upgrade download --releasever=23
dnf system-upgrade reboot
```

- reinstall the client owncloud (present in the repos of Fedora now)
- modify the ssh config to allow connection from the SME: [Connection SSH of the Fedora 22 from the SME](#)

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