# Security

fix /etc/login.defs:

UMASK 007

HOME\_MODE 0770

/etc/bashrc

umask 007

https://old.reddit.com/r/Fedora/comments/k4q70b/how\_can\_i\_set\_the\_default\_permissions\_umask\_for/gef2wc1/

Thanks, it looks like that did the trick (somewhat...).

1. I upgraded to Fedora 33 first of all, since Fedora 32 has an older version of Systemd.
2. I set my desired umask value in /etc/login.defs.
3. I added the line session optional pam\_umask.so to the bottom of /etc/pam.d/login and /etc/pam.d/systemd-user.
4. I then rebooted.

After doing this, I can see that it's made a difference for applications like Nautilus.  
(Note: Enabling it in login didn't appear to actually have any effect — it was systemd-user that did it — but I guess it doesn't do any harm either. )

Sadly this doesn't seem to work for Flatpak apps though, so a very large chunk of my graphical applications are still not using my desired umask. The above change fixed it for files created by Nautilus, but that's about it, since all my other apps are Flatpaks.

https://unix.stackexchange.com/questions/254378/how-to-set-umask-for-the-entire-gnome-session

gdm launched applications have their own umask and as of a last year it was impossible

to change. gdm launched application set all files to be world readable.

"

Some Gnome applications are launched by systemd --user, in which case umask is set by systemd to 0022 regardless of the configured value for pam\_umask. I am not aware of any workarounds, but I opened [*an issue*](https://github.com/systemd/systemd/issues/6077) on systemd github issue tracker. This issue is also reported on [*Gnome bugzilla*](https://bugzilla.gnome.org/show_bug.cgi?id=780622).

"

This does nothing:

sudo emacs /etc/systemd/system/display-manager.service.d/umask.conf

[Service]

UMask=0007

https://askubuntu.com/questions/1322628/how-to-set-umask-to-u-rwx-g-rwx-o-rx-for-all-ways-of-logging-in-without-root-pri

This did nothing:

For gnome3 sessions add a umask to

$HOME/.gnomerc

Try [this](https://unix.stackexchange.com/a/411060/137608):

$ systemctl --user edit dbus

In the file that gets opened, just write:

[Service]

UMask=022

The file gets saved in .config/systemd/user/dbus.service.d/override.conf.

Gives error:

> sudo systemctl --user edit dbus

[sudo] password for Thomas:

Failed to connect to bus: $DBUS\_SESSION\_BUS\_ADDRESS and $XDG\_RUNTIME\_DIR not defined (consider using --machine=<user>@.host --user to connect to bus of other user)

# Debian

# apt update

# apt upgrade -y

See ‘install ufw’

# apt install emacs

Add local ‘.bashrc’ and ‘.emacs’ to home user and /root

Add the programs ‘Z’ and ‘home’ to /usr/local/bin

Edit /etc/profile and remove ‘games’ as a default in the path.

Verify that the timezone is UTC

Set the system locale to en\_DK, see <https://wiki.debian.org/Locale>

dpkg-reconfigure locales - select en\_DK.utf8

The unix ‘date’ command ignores the locale. Use ‘Z’.

On the server be sure to set the dns

apt install resolveconf

Edit /etc/resolvconf/resolv.conf.d/head add the nameservers there

Systemctl

Install any missing packages:

acl, wget, sharutils, cryptsetup, rsync, rdiff-backup, dnsutils, curl, telnet, whois, git

Postgresql:

# apt install postgresql

# apt install libpq-dev:

Python:

# apt install python3 python3-pip python3-dev

They say ‘never use sudo with pip’.

> pip3 install --upgrade pip3

> pip3 install virtualenv

pip3 is not working, gives an error of

ModuleNotFoundError: No module named 'pip.\_vendor.pkg\_resources'

or

/usr/local/lib/python3.7/dist-packages/zipp-3.0.0.dist-info

If run as root for the upgrade, it gives an error about an invalid wrapper. Research on the net finds a bunch of articles on this, all suggesting doing a lot of work. They say you don’t run into the problem by using

> python3 -m pip <command>

instead.

Nginx:

I think next time I do a system install, I will configure nginx to run as user ‘nginx’ instead of ‘www-data’. See /etc/nginx/nginx.conf

# apt install ngnix