

## Privileges

**sudo command** – run command as root  
**sudo -s** – open a root shell  
**sudo -s -u user** – open a shell as user  
**sudo -k** – forget sudo passwords  
**gksudo command** – visual sudo dialog (GNOME)  
**kdesudo command** – visual sudo dialog (KDE)  
**sudo visudo** – edit /etc/sudoers  
**sudo nautilus** – root file manager (GNOME)  
**sudo konqueror** – root file manager (KDE)  
**passwd** – change your password

## Application Names

**nautilus** – file manager (GNOME)  
**dolphin** – file manager (KDE)  
**kate** – text editor (KDE)  
**gedit** – text editor (GNOME)

## System Services

**sudo service service status** – check if *service* is running  
**sudo service service start** – start *service*  
**sudo service service stop** – stop *service*  
**sudo service service restart** – restart *service*  
**runlevel** – get current runlevel  
**sudo chkconfig --level 35 service on/off** – set *service* to run/not run in runlevels 3,5  
**uname -r** – get kernel version  
**uname -a** – get all kernel information

## Setup YUM and SUDO

Setting up SUDO: **su -c 'echo "\$USER ALL=(ALL) NOPASSWD:ALL" >> /etc/sudoers'**  
Setting up YUM: **sudo rpm -ivh http://download1.rpmfusion.org/free/fedora/rpmfusion-free-release-stable.noarch.rpm \ http://download1.rpmfusion.org/nonfree/fedora/rpmfusion-nonfree-release-stable.noarch.rpm && sudo rpm --import /etc/pki/rpm-gpg/RPM-GPG-KEY-rpmfusion-\* && sudo rpm --import /etc/pki/rpm-gpg/\***

## Firewall

**sudo service iptables on** – start *firewall*  
**sudo service iptables off** – stop *firewall*  
**sudo iptables -L** – show current config  
**sudo iptables -a INPUT -j ACCEPT** – allow all connections  
**sudo iptables -a INPUT -j REJECT** – deny all connections  
**sudo iptables -a INPUT --dport port -j ACCEPT** – allow connection to *port*  
**sudo iptables -a INPUT --dport port -j REJECT** – deny connection to *port*  
**sudo iptables -F** – Reset firewall config

## Network

**ifconfig** – show network information  
**iwconfig** – show wireless information  
**sudo iwlist scan** – scan for wireless network  
**sudo service network restart** – reset network for manual configuration  
**(file)/etc/sysconfig/network-scripts/ifcfg-interface** – edit your gateway here  
**sudo service NetworkManager restart** – reset network to use NetworkManager  
**sudo chkconfig --level 35 network on \ sudo chkconfig --level 35 NetworkManager off** – in case you have network problems with the NetworkManager applet.  
**ifup interface** – bring *interface* online  
**ifdown interface** – disable *interface*

## Display

**Ctrl+Alt+Bksp** – restart X display if frozen  
**(file)/etc/X11/xorg.conf** – display config  
**Xorg -configure** – create new config file  
**Ctrl+Alt+FN** – switch to *ttyN*  
**Ctrl+Alt+F1** – switch back to X display

## Package Management

**sudo yum update** – same as update  
**sudo yum check-update** – check for availability of updates for installed packages  
**sudo yum install pkg** – install *pkg*  
**sudo yum remove pkg** – remove *pkg*  
**sudo yum clean** – clean the cache  
**(file) /etc/yum.conf** – configuration for the repos. Set **keepcache=1** in this file for retaining all packages downloaded by yum  
Fixing the YUM/RPM Database:  
**sudo yum clean all**  
**sudo yum clean metadata**  
**sudo yum clean dbcache**  
**sudo rpm -vv --initdb**  
**sudo rm -f /var/lib/rpm/\_\_db\***  
**sudo rpmdb -vv --rebuilddb > /dev/null**

## Setup MP3 and Video

Audio(MP3): **sudo yum install rhythmbox gstreamer-plugins-ugly gstreamer-plugins-bad gstreamer-ffmpeg**  
Video: **sudo yum install xine xine-lib-extras xine-lib-extras-freeworld**

## Flash Plugin

Flash Support: **sudo rpm -ivh http://fpdownload.macromedia.com/get/flashplayer/current/flash-plugin-10.0.32.18-release.i386.rpm && su -c 'yum install flash-plugin alsa-plugins-pulseaudio libcurl'**