

## TASK 4.2

### File profile

File Edit View Search Terminal Help

```
root@hobo-TUF-GAMING-FX504GD-FX80GD:/etc# cat profile
# /etc/profile: system-wide .profile file for the Bourne shell (sh(1))
# and Bourne compatible shells (bash(1), ksh(1), ash(1), ...).

if [ "$PS1" ]; then
    if [ "$BASH" ] && [ "$BASH" != "/bin/sh" ]; then
        # The file bash.bashrc already sets the default PS1.
        # PS1='\h:\w\$ '
        if [-f /etc/bash.bashrc ]; then
            . /etc/bash.bashrc
        fi
    else
        if [ "`id -u`" -eq 0 ]; then
            PS1='# '
        else
            PS1='$ '
        fi
    fi
fi

if [ -d /etc/profile.d ]; then
    for i in /etc/profile.d/*.sh; do
        if [ -r $i ]; then
            . $i
        fi
    done
    unset i
fi
```

## File bashrc

```
File Edit View Search Terminal Help
root@hobo-TUF-GAMING-FX504GD-FX80GD:/etc# cat bash.bashrc
# System-wide .bashrc file for interactive bash(1) shells.

# To enable the settings / commands in this file for login shells as well,
# this file has to be sourced in /etc/profile.

# If not running interactively, don't do anything
[ -z "$PS1" ] && return

# check the window size after each command and, if necessary,
# update the values of LINES and COLUMNS.
shopt -s checkwinsize

# set variable identifying the chroot you work in (used in the prompt below)
if [ -z "${debian_chroot:-}" ] && [ -r /etc/debian_chroot ]; then
    debian_chroot=$(cat /etc/debian_chroot)
fi Link to firefox

# set a fancy prompt (non-color, overwrite the one in /etc/profile)
PS1='${debian_chroot:+($debian_chroot)}\u@\h:\w\$ '

# Commented out, don't overwrite xterm -T "title" -n "icontitle" by default.
# If this is an xterm set the title to user@host:dir
#case "$TERM" in
#xterm*|rxvt*)
#    PROMPT_COMMAND='echo -ne "\033]0;${USER}@${HOSTNAME}: ${PWD}\007"'
#    ;;
#*)
#    ;;
#esac

# enable bash completion in interactive shells
#if ! shopt -oq posix; then
#    if [ -f /usr/share/bash-completion/bash_completion ]; then
#        . /usr/share/bash-completion/bash_completion
#    elif [ -f /etc/bash_completion ]; then
#        . /etc/bash_completion
#    fi
#fi

# sudo hint
if [ ! -e "$HOME/.sudo_as_admin_successful" ] && [ ! -e "$HOME/.hushlogin" ] ; then
    case " $(groups) " in *\\ admin\\ *|*\\ sudo\\ *)
        if [ -x /usr/bin/sudo ]; then
```

File .bash\_history, HISTFILE, HISTFILESIZE, HISTSIZE.

```
File Edit View Search Terminal Help
echo "#gittest" >> README.md
git init
git remote add origin https://github.com/OldVagrant/new.git
git remote add origin https://github.com/OldVagrant/new
git remote add origin https://github.com/OldVagrant/new.git
git push -u origin master
cd out
cd-up
cd help
cd -help
cd -L -help[
cd -L -help
ls
cd /hobo
cd /hobo/
cd
ls
cd /
ls
cd /home/hobo/EM
ls
mv HomeWork.docx /home/hobo/EM/new
cd new
ls
git add HomeWork.docx
commit -m "task1"
git commit -m "task1"
git push -u origin master
ls
cd /home
ls
cd homo
./mr.autostart
ls
cd hobo/
./mr.autostart
shutdown now
root@hobo-TUF-GAMING-FX504GD-FX80GD:~# echo $HISTFILE
/root/.bash_history
root@hobo-TUF-GAMING-FX504GD-FX80GD:~# echo $HISTFILESIZE
2000
root@hobo-TUF-GAMING-FX504GD-FX80GD:~# echo $HISTSIZE
1000
root@hobo-TUF-GAMING-FX504GD-FX80GD:~# [Task4_2.odt - LibreOffi...
```

Who, w, whoami, id

```
root@hobo-TUF-GAMING-FX504GD-FX80GD:~# who
hobo    tty7          2020-04-14 18:08 (:0)
root    pts/0          2020-04-14 18:09 (:0)
root@hobo-TUF-GAMING-FX504GD-FX80GD:~# w
 20:59:39 up 5:51, 2 users, load average: 0,00, 0,00, 0,00
USER   TTY      FROM           LOGIN@  IDLE   JCPU   PCPU WHAT
hobo   tty7      :0            18:08   2:51m  4:34   0.10s mate-session
root   pts/0      :0            18:09   0.00s  0.47s  0.00s w
root@hobo-TUF-GAMING-FX504GD-FX80GD:~#
root@hobo-TUF-GAMING-FX504GD-FX80GD:~# whoami
root
root@hobo-TUF-GAMING-FX504GD-FX80GD:~# id
uid=0(root) gid=0(root) groups=0(root)
root@hobo-TUF-GAMING-FX504GD-FX80GD:~# 
```

manual for vim

VIM(1) General Commands Manual VIM(1)

**NAME** vim - Vi IMproved, a programmers text editor

**SYNOPSIS**

```
vim [options] [file ..]
vim [options] -
vim [options] -t tag
vim [options] -q [errorfile]
```

**ex**
**view**
gvim gview evim eview
r vim rview rgvim rgview

**DESCRIPTION**

Vim is a text editor that is upwards compatible to Vi. It can be used to edit all kinds of plain text. It is especially useful for editing programs.

There are a lot of enhancements above Vi: multi level undo, multi windows and buffers, syntax highlighting, command line editing, filename completion, on-line help, visual selection, etc.. See ":help vi\_diff.txt" for a summary of the differences between Vim and Vi.

While running Vim a lot of help can be obtained from the on-line help system, with the ":help" command. See the ON-LINE HELP section below.

Most often Vim is started to edit a single file with the command

```
vim file
```

More generally Vim is started with:

```
vim [options] [filelist]
```

If the filelist is missing, the editor will start with an empty buffer. Otherwise exactly one out of the following four may be used to choose one or more files to be edited.

file ... A list of filenames. The first one will be the current file and read into the buffer. The cursor will be positioned on the first line of the buffer. You can get to the other files with the ":next" command. To edit a file that starts with a dash, precede the filelist with "-".

- The file to edit is read from stdin. Commands are read from stderr, which should be a tty.

-t {tag} The file to edit and the initial cursor position depends on a "tag", a sort of goto label. {tag} is looked up in the tags file, the

Manual page vim(1) line 1 (press h for help or q to quit)

Uname, hostname, uptime, shutdown, halt, reboot, init.

```
File Edit View Search Terminal Help
root@hobo-TUF-GAMING-FX504GD-FX80GD:~# uname -a
Linux hobo-TUF-GAMING-FX504GD-FX80GD 4.4.0-161-generic #189+8.0trisquel2 SMP Tue
root@hobo-TUF-GAMING-FX504GD-FX80GD:~# hostname
hobo-TUF-GAMING-FX504GD-FX80GD
root@hobo-TUF-GAMING-FX504GD-FX80GD:~# uptime
21:19:46 up 6:12, 2 users, load average: 0,00, 0,06, 0,07
root@hobo-TUF-GAMING-FX504GD-FX80GD:~# halt --help
halt [OPTIONS...]
Halt the system.

--help      Show this help
-H --halt   Halt the machine
-p --poweroff Switch off the machine
--reboot    Reboot the machine
-f --force   Force immediate halt/power-off/reboot
-w --wtmp-only Don't halt/power-off/reboot, just write wtmp record
-d --no-wtmp  Don't write wtmp record
--no-wall   Don't send wall message before halt/power-off/reboot
root@hobo-TUF-GAMING-FX504GD-FX80GD:~# shutdown --help
shutdown [OPTIONS...]
[TIME] [WALL...]
Screenshot at 2020-04-14 21:11:50
Shut down the system.

--help      Show this help
-H --halt   Halt the machine
-P --poweroff Power-off the machine
-r --reboot  Reboot the machine
-h          Equivalent to --poweroff, overridden by --halt
-k          Don't halt/power-off/reboot, just send warnings
--no-wall   Don't send wall message before halt/power-off/reboot
-c          Cancel a pending shutdown
root@hobo-TUF-GAMING-FX504GD-FX80GD:~# shutdown 30
Shutdown scheduled for 0 2020-04-14 21:52:23 EEST, use 'shutdown -c' to cancel.
root@hobo-TUF-GAMING-FX504GD-FX80GD:~# shutdown -c
root@hobo-TUF-GAMING-FX504GD-FX80GD:~# init --help
init [OPTIONS...]
{COMMAND}

Send control commands to the init daemon.

--help      Show this help
--no-wall   Don't send wall message before halt/power-off/reboot
```

Commands: > root@hobo-TUF-GAMI... [bash - Where is .bash... [Task4\_2.odt - LibreOffi...

## Man, info find, locate whereis, less

```
File Edit View Search Terminal Help
EXAMPLES
man ls
Display the manual page for the item (program) ls.

man -a intro
Display, in succession, all of the available intro manual pages contained within the manual. It is possible to quit between successive displays or skip any of them.

man -t alias | lpr -Pps
Format the manual page referenced by 'alias', usually a shell manual page, into the default troff or groff format and pipe it to the printer named ps. The default output for groff is usually PostScript. man --help should advise as to which processor is bound to the -t option.

man -l -Tdvi ./foo.1x.gz > ./foo.1x.dvi
This command will decompress and format the nroff source manual page ./foo.1x.gz into a device independent (dvi) file. The redirection is necessary as the -T flag causes output to be directed to stdout with no pager. The output could be viewed with a program such as xdvi or further processed into PostScript using a program such as dvips.

Link to firefox
man -k printf
Search the short descriptions and manual page names for the keyword printf as regular expression. Print out any matches. Equivalent to apropos printf.

Screenshot at 2020-04-14 20:19:57.png
man -f smail
Lookup the manual pages referenced by smail and print out the short descriptions of any found. Equivalent to whatis smail.

OVERVIEW 2020-04-14 22:18:37.png
Many options are available to man in order to give as much flexibility as possible to the user. Changes can be made to the search path, section order, output processor, and other behaviours and operations detailed below.

Screenshot at 2020-04-14 22:18:37.png
If set, various environment variables are interrogated to determine the operation of man. It is possible to set the 'catch all' variable $MANOPT to any string in command line format with the exception that any spaces used as part of an option's argument must be escaped (preceded by a backslash). man will parse $MANOPT prior to parsing its own command line. Those options requiring an argument will be overridden by the same options found on the command line. To reset all of the options set in $MANOPT, -D can be specified as the initial command line option. This will allow man to 'forget' about the options specified in $MANOPT although they must still have been valid.

The manual pager utilities packaged as man-db make extensive use of index database caches. These caches contain information such as where each manual page can be found on the filesystem and what its whatis (short one line description of the man page) contains, and allow man to run faster than if it had to search the filesystem each time to find the appropriate manual page. If requested using the -u option, man will ensure that the caches remain consistent, which can obviate the need to manually run software to update traditional whatis text databases.

If man cannot find a mandb initiated index database for a particular manual page hierarchy, it will still search for the requested manual pages, although file globbing will be necessary to search within that hierarchy. If whatis or apropos fails to find an index it will try to extract information from a traditional whatis database instead.

Manual page man(1) line 58 (press h for help or q to quit)
```

```
File Edit View Search Terminal Help
File: dir, Node: Top, This is the top of the INFO tree.

This is the Info main menu (aka directory node).
A few useful Info commands:
  'q' quits;
  '?' lists all Info commands;
  'h' starts the Info tutorial;
  'mTexinfo RET' visits the Texinfo manual, etc.

* Menu:
Archiving
* Shar utilities: (sharutils). Shell archiver, uuencode/uudecode.

Basics
* Common_options: (coreutils)Common options.
* Coreutils: (coreutils). Core GNU (file, text, shell) utilities.
* Date_input_formats: (coreutils)Date input formats.
* Ed: (ed). The GNU line editor
* File_permissions: (coreutils)File permissions.
* Finding_files: (find). Operating on files matching certain criteria.

C++ libraries
* autosprintf: (autosprintf). Support for printf format strings in C++.

Compression
* Gzip: (gzip). General (de)compression of files (lzw).

Development
* SSIP: (ssip). Speech Synthesis Interface Protocol.
* Speech_Dispatcher: (speech-dispatcher). Speech Dispatcher.

DOS
* Mtools: (mtools). Mtools: utilities to access DOS disks in Unix.

Editors
* nano: (nano). Small and friendly text editor.

General Commands
-----Info: (dir)Top, 267 lines --Top-----
No 'Prev' or 'Up' for this node within this document.
```

```
root@hobo-TUF-GAMING-FX504GD-FX80GD:/usr/share/doc# locate Defend
/home/hobo/Documents/Defend.docx
/home/hobo/Documents/Defend.odp
/home/hobo/Documents/Defend.pptx
/home/hobo/Documents/Defend2.ppsx
root@hobo-TUF-GAMING-FX504GD-FX80GD:/usr/share/doc# find -newer "Defend.odp"
find: 'Defend.odp': No such file or directory
root@hobo-TUF-GAMING-FX504GD-FX80GD:/usr/share/doc# cd /home/hobo/Documents/
root@hobo-TUF-GAMING-FX504GD-FX80GD:/home/hobo/Documents# find -newer "Defend.odp"
.
./Defend2.ppsx
./Defend.docx
./INTERNET.odt
root@hobo-TUF-GAMING-FX504GD-FX80GD:/home/hobo/Documents# whereis firefox
firefox: /usr/bin/firefox /etc/firefox
root@hobo-TUF-GAMING-FX504GD-FX80GD:/home/hobo/Documents# whereis bash
bash: /bin/bash /etc/bash.bashrc /usr/share/man/man1/bash.1.gz
root@hobo-TUF-GAMING-FX504GD-FX80GD:/home/hobo/Documents# nano file
root@hobo-TUF-GAMING-FX504GD-FX80GD:/home/hobo/Documents# less file
root@hobo-TUF-GAMING-FX504GD-FX80GD:/home/hobo/Documents# info
root@hobo-TUF-GAMING-FX504GD-FX80GD:/home/hobo/Documents# shutdown 30 -f
Shutdown scheduled for 0 2020-04-14 23:43:23 EEST, use 'shutdown -c' to cancel.
root@hobo-TUF-GAMING-FX504GD-FX80GD:/home/hobo/Documents# 
```