Cygwin/Bash Command Reference

File Commands

ls – directory listing

ls -al – formatted listing with hidden files

cd dir - change directory to dir

cd - change to home

pwd – show current directory

mkdir *dir* – create a directory *dir*

rm file - delete file

rm -r dir - delete directory dir

rm -f file - force remove file

rm - **rf dir** - force remove directory dir *

cp file1 file2 – copy file1 to file2

cp -r dir1 dir2 – copy **dir1** to **dir2**; create **dir2** if it doesn't exist

mv file1 file2 – rename or move file1 to file2

if file2 is an existing directory, moves file1 into directory file2

In -s *file link* – create symbolic link *link* to *file*

touch *file* – create or update *file*

cat > file - places standard input into file

more file – output the contents of file

head *file* – output the first 10 lines of *file*

tail *file* – output the last 10 lines of *file*

tail -f *file* – output the contents of *file* as it grows, starting with the last 10 lines

Process Management

ps – display your currently active processes

kill *pid* – kill process id *pid*

killall *proc* – kill all processes named *proc* *

bg – lists stopped or background jobs; resume a stopped job in the background

fg – brings the most recent job to foreground

fg n – brings job n to the foreground

Shortcuts

Ctrl+c – halts the current command

Ctrl+z – stops the current command, resume with fg in the

foreground or **bg** in the background

Ctrl+a – move to beginning of line

Ctrl+e – move to end of line

Ctrl+k – kill (delete) from the cursor to the end of the line

Ctrl+w – erases one word in the current line

Ctrl+u – erases the whole line

Ctrl+y – yank (restore) the last group of erased characters

Ctrl+r – type to bring up a recent command

!! - repeat the last command

exit – log out of current session

System Info

date – show the current date and time

cal – show this month's calendar

whoami – who you are logged in as

man *command* – show the manual for *command*

df – show disk usage

du – show directory space usage

whereis *app* – show possible locations of *app*

which app – show which app will be run by default

Archives/Compression

tar cf file.tar files – create a tar named file.tar containing files

tar xf file.tar – extract the files from file.tar

tar czf file.tar.gz files – create a tar with Gzip compression

tar xzf file.tar.gz – extract a tar using Gzip

tar cjf file.tar.bz2 – create a tar with Bzip2 compression

compression

tar xjf *file.tar.bz2* – extract a tar using Bzip2

gzip *file* – compresses *file* and renames it to *file.gz*

gzip -d file.gz - decompresses file.gz back to file

zip *file.zip files* – create a zip file named *file.zip* containing *files*

unzip *files.zip* – decompresses and extracts files from *files.zip*

Network

ping *host* – ping *host* and output results

nslookup *host* – lookup *host* ip address

wget *file* – download *file*

wget -c file - continue a stopped download

ssh *user@host* – connect to *host* as *user*

Installation

Install from source (for packages not in setup.exe):

./configure

make

make install

Searching

grep pattern files - search for pattern in files

grep -r *pattern dir* – search recursively for *pattern* in *dir*

command | **grep pattern** – search for **pattern** in the output of **command**

Modified from Unix/Linux Command Reference at

FOSSwire.com

(cc) BY-NC-SA

^{*} use with extreme caution.