



UNIX

Quick Reference

The Filesystem: Rearranging, Getting Around

<code>cd</code>	Change working directory to your home directory.
<code>cd <i>pathname</i></code>	Change working directory to <i>pathname</i> .
<code>chmod <i>perm pathname</i></code>	Set access permissions for the file or directory at <i>pathname</i> .
<code>cp <i>old new</i></code>	Copy file <i>old</i> to file <i>new</i> .
<code>find <i>top rules</i></code>	Find pathnames to all files/directories, searching down the tree from <i>top</i> , using <i>rules</i> .
<code>locate <i>pattern</i></code>	Find absolute pathnames of all files/directories that match <i>pattern</i> .
<code>ls</code>	List names of files in working directory.
<code>ls <i>pathname</i></code>	List names of files in directory at <i>pathname</i> .
<code>ls -l</code>	Give long list of file information.
<code>mcopy <i>from to</i></code>	Copy file <i>from</i> to file <i>to</i> , where <i>from</i> or <i>to</i> is on a MS-DOS/Windows filesystem.
<code>mkdir <i>pathname</i></code>	Create a new directory with <i>pathname</i> .
<code>mv <i>old new</i></code>	Move or rename file <i>old</i> to file <i>new</i> .
<code>pwd</code>	Print working (current) directory name.
<code>rm <i>files</i></code>	Remove <i>files</i> .
<code>rmdir <i>pathname</i></code>	Remove empty directory at <i>pathname</i> .

Working with Text: Printing, Searching

<code>cancel <i>request</i></code>	Cancel an lp print request.
<code>cat <i>files</i></code>	Display one or more files.
<code>grep "<i>pattern</i>" <i>files</i></code>	Show lines matching <i>pattern</i> in <i>files</i> .
<code>less <i>files</i></code>	Display one screenful of each file at a time. (Alternatives: more, pg)

Working with Text: Printing, Searching (continued)

<code>lp files</code>	Send files to default printer.
<code>lpq</code>	Check requests on lpr printer queue.
<code>lpr files</code>	Send files to default printer.
<code>lprm request</code>	Cancel an lpr print request.
<code>lpstat</code>	Check requests on lp printer queue.
<code>pico file</code>	Edit <i>file</i> .
<code>pico -w file</code>	Edit <i>file</i> without wrapping lines.
<code>sort rules files</code>	Sort lines of files alphabetically or by the optional <i>rules</i> .

Using a Network

<code>ftp hostname</code>	Transfer files to and from remote <i>hostname</i> (may be insecure).
<code>lynx 'address'</code>	Show the page at <i>address</i> with a text-mode web browser.
<code>mail address</code>	Send email to <i>address</i> . (May be called Mail or mailx.)
<code>pine</code>	Read and send email.
<code>scp from to</code>	Copy file <i>from</i> to file <i>to</i> , securely, where one or both files are on a remote host.
<code>ssh hostname</code>	Start secure interactive login session to remote <i>hostname</i> .
<code>ssh hostname command</code>	Run <i>command</i> on remote <i>hostname</i> .
<code>telnet hostname</code>	Start interactive login session (may be insecure) to remote <i>hostname</i> .

Special Symbols

<code>program1 program2</code>	Pipe the output of <i>program1</i> to the input of <i>program2</i> .
<code>program < file</code>	Redirect input of <i>program</i> from <i>file</i> .
<code>program > file</code>	Redirect output of <i>program</i> into <i>file</i> , overwriting if file exists.
<code>program >> file</code>	Redirect output of <i>program</i> into <i>file</i> , adding to end.
<code>/</code>	Separator used in pathnames.
<code>.</code>	Pathname of working directory.
<code>..</code>	Pathname of parent directory.
<code>command &</code>	Process command in the background.
<code>*</code>	Match any number of characters in filename.
<code>?</code>	Match any single character in filename.
<code>[]</code>	Match one of the enclosed characters in filename.
<code>command1; command2</code>	Command separator: run <i>command2</i> after <i>command1</i> .
<code>()</code>	Group commands.

Other Commands

<code>apropos term</code>	Display names of commands described by <i>term</i> .
<code>date</code>	Display current date and time.
<code>exit</code>	End this shell (log out or close this window).
<code>info command</code>	Display information about <i>command</i> .
<code>jobs</code>	List your jobs running from this shell.
<code>kill PID</code>	End process <i>PID</i> .
<code>man command</code>	Display manual page of <i>command</i> .
<code>ps</code>	List your processes and their PIDs.
<code>who</code>	List users currently on system.
<code>who am i</code>	Display listing for this session.