

General use

| | |
|-------------------|---|
| at | Run a command at a specified time |
| batch | Run commands when the system is not busy |
| bxmxtxt | Display reason code text |
| Ceebltdx | Transform msg source files into loadable message text files |
| clear | Clear the screen of all previous output |
| command | Run a simple command |
| conffignfs | Invoke vfs_pfsctl functions for HFS file systems |
| date | Display the date and time |
| echo | Write arguments to standard output |
| edcmtext | Display editor reason code text |
| exec | Run a command & open, close, or copy the file descriptors |
| man | Print sections of the online reference manual |
| nice | Run a command at a different priority |
| passwd | Change user passwords and password phrases |
| print | Return arguments from the shell |
| printf | Write formatted output |
| sh | Invoke a shell (command interpreter) |
| tcsh | Invoke a tcsh shell |
| time | Display processor and elapsed times for a command |
| uptime | Report how long the system has been running |
| wall | Broadcast a message to logged-in users |
| whence | Tell how the shell interprets a command name |
| whoami | Display your effective user name |
| xc | Compiler invocation using a customizable configuration file |
| xC | C++ compiler invocation using a customizable configuration file |
| xc++ | C++ compiler invocation using a customizable configuration file |

Controlling the environment

| | |
|------------------|---|
| alias | Display or create a command alias |
| asa | Interpret ASA/Fortran carriage control |
| automount | Configure the automount facility |
| cal | Display a calendar for a month or year |
| calendar | Display all current appointments |
| captoinfo | Prints terminal entries in the termcap file |
| chcp | Set or query ASCII/EBCDIC code pages for the terminal |
| configstk | Configure the AF_UENT stack |
| env | Display environments, or set an environment for a process |
| export | Set export attribs. for variables, or show currently exported variables |
| fc | Process a command history list |
| hash | Create a tracked alias |
| history | Process a command history list |
| id | Return the user identity |
| Infocmp | Compare and print the terminal description |
| ipcrm | Remove message queue, semaphore set, or shared memory ids |
| ipcs | Report status of the interprocess communication facility |
| lm | Start the login monitor for OCS support |
| locale | Get locale-specific information |
| localedef | Define the locale environment |
| logger | Log messages |
| logname | Return a user's login name |
| newgrp | Change to a new group |
| ocscnfig | Configure, unconfigure, or query an OCS object |
| printenv | Display the value of environment variables |
| r | Process a command history list |
| readonly | Mark a variable as read-only |
| return | Return from a shell function or . (dot) script |
| script | Makes a typescript of a terminal session |
| set | Set or unset command options and positional parameters |
| shift | Shift positional parameters |
| stty | Set or display terminal options |
| su | Change the user ID connected with a session |
| sysvar | Display static system symbols |
| tic | Compile term descriptions into terminfo database entries |
| touch | Change the file access and modification times |
| tput | Change characteristics of terminals |
| tso | Run a TSO command from the shell |
| tsocmd | Run a TSO/E command from the shell (incl. authorized cmds) |
| tty | Return the user's terminal name |
| uconvdef | Create binary conversion tables |
| unalias | Remove alias definitions |
| uname | Display the name of the current operating system |
| unset | Unset values and attributes of variables and functions |
| who | Display information about current users |

Managing directories

| | |
|-----------------|--|
| basename | Return the nondirectory components of a path name |
| cd | Change the working directory |
| chgrp | Change the group owner of a file or directory |
| chmod | Change the mode of a group or directory |
| chown | Change the owner or group of a file or directory |
| chroot | Change the root directory for the execution of a command |
| dircmp | Compare directories |
| dirname | Return the directory components of a path name |
| ls | List file and directory names and attributes |
| mkdir | Make a directory |
| mount | Logically mount a file system |
| mv | Rename or move a file or directory |
| pathchk | Check a path name |
| pwd | Return the working directory name |
| rm | Remove a directory entry |
| rmdir | Remove a directory |
| unlink | Removes a directory entry |



Daemons

| | |
|----------------|---|
| cron | Run commands at specified dates and times |
| inetd | Handle login requests |
| rlogind | Validate rlogin requests |
| uucpd | Invoke uucico for TCP/IP connections from remote UUCP systems |

Printing files

| | |
|----------------|--|
| cancel | Cancel print queue requests (stub command) |
| infocmp | Compare and print the terminal description |
| lp | Send a file to a printer |
| lpstat | Show status of print queues (stub command) |
| pr | Format a file in paginated form and send it to standard output |

Writing shell scripts

| | |
|------------------|---|
| autoload | Indicate function name not defined |
| dspmsg | Display selected messages from message catalogs |
| functions | Display or assign attributes to functions |
| getconf | Get configuration values |
| getopts | Parse utility options |
| integer | Mark each variable with an integer value |
| read | Read a line from standard input |
| type | Tell how the shell interprets a name |
| typeset | Assign attribs & values to variables |
| xargs | Construct an argument list and run a command |

Controlling processes

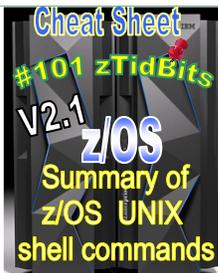
| | |
|-----------------|--|
| bg | Move a job to the background |
| bpjtrace | Activate or deactivate traces for processes |
| crontab | Schedule regular background jobs |
| fg | Bring a job into the foreground |
| jobs | Return the status of jobs in the current session |
| kill | End a process or job, or send it a signal |
| nohup | Start a process that is immune to hangups |
| ps | Return the status of a process |
| renice | Change priorities of a running process |
| sleep | Suspend execution of a process for an interval of time |
| stop | Suspend a process or job |
| submit | Submit a batch job for background processing |
| suspend | Send a SIGSTOP to the current shell |
| time | Display processor and elapsed times for a command |
| times | Get process and child process times |
| wait | Wait for a child process to end |
| ulimit | Set process limits |

Working with UUCP

| | |
|----------------------|---|
| uucc | Compile UUCP configuration files |
| uucico daemon | Process UUCP file transfer requests |
| uucp | Copy files between remote UUCP systems |
| uucpd | Invoke uucico for TCP/IP connections from remote UUCP systems |
| uulog | Display log information about UUCP events |
| uuname | Display list of remote UUCP systems |
| uupick | Manage files sent by uuto and uucp |
| uustat | Display status of pending UUCP transfers |
| uuto | Copy files to users on remote UUCP systems |
| uux | Request command execution on remote UUCP systems |
| uuxqt daemon | Carry out command requests from remote UUCP systems |

Distributed File System zFS

| | | |
|---------------------------|---------------------------|---|
| zfsadm agrinfo | zfsadm format | zfsadm help |
| zfsadm apropos | zfsadm grow | Displays a list of commands in a command suite. |
| zfsadm attach | zfsadm help | |
| zfsadm config | zfsadm lsaggr | zfsadm help -topic command |
| zfsadm configquery | zfsadm lsfs | Displays the syntax for one or more commands. |
| zfsadm convert | zfsadm lssys | |
| zfsadm define | zfsadm query | zfsadm apropos -topic string |
| zfsadm delete | zfsadm quiesce | Displays a short description of any commands that match the specified string. |
| zfsadm detach | zfsadm setauditfid | |
| zfsadm fileinfo | zfsadm unquiesce | |



The z/OS shell is based on the Korn Shell that originated on a UNIX system. As implemented for z/OS UNIX System Services, this shell conforms to POSIX standard 1003.2-1992.

This list presents z/OS shell commands grouped by the task a user might want to perform. Similar tasks are organized together. Stub commands (**cancel**, **cu** and **lpstat**) are not listed because their functions are not supported by z/OS UNIX System Services.

Not included - tcsh shell commands

Managing files

| | |
|-------------------|--|
| amblist | Display formatted information from object & executable files |
| as | Use the HLASM assembler to produce object files |
| cat | Concatenate or display text files |
| chaudit | Change audit flags for a file |
| chlabel | Set the multilevel security label to files and directories |
| cksum | Calculate and display checksums and byte counts |
| cmp | Compare two files |
| col | Remove reverse line feeds |
| comm | Show and select or reject lines common to two files |
| compress | Lempel-Ziv file compression |
| copytree | Make a copy of file hierarchy while preserving all file attribs. |
| cp | Copy a file |
| csplit | Split text files |
| ctags | Create tag files for ex , more , and vi |
| dot | Run a shell file in the current environment |
| cut | Cut out selected fields of each line of a file |
| dd | Convert and copy a file |
| df | Display the amount of free space in the file system |
| diff | Compare two text files and show the differences |
| du | Summarize usage of file space |
| ed | Use the ed line-oriented text editor |
| egrep | Search a file for a specified pattern |
| ex | Use the ex text editor |
| excrecover | Retrieve vi and ex files |
| extattr | Set, reset, or display extended attributes for files |
| expand | Expand tabs to spaces |
| fgrep | Search a file for a specified pattern |
| file | Determine file type |
| filecache | Manage file caches |
| find | Find a file meeting specified criteria |
| fold | Break lines into shorter lines |
| head | Display the first part of a file |
| iconv | Convert characters from one code set to another |
| join | Join two sorted, textual relational databases |
| line | Copy one line of standard input |
| link | Create a hard link to a file |
| ln | Create a link to a file |
| mkfifo | Make a FIFO special file |
| mkdir | Make a FIFO or character special file |
| mount | Logically mount a file system |
| more | Display files on a page-by-page basis |
| mv | Rename or move a file or directory |
| nl | Number lines in a file |
| nm | Display symbol table of object, library, and exec files |
| obrowse | Browse a file |
| od | Dump a file in a specified format |
| odit | Edit a file |
| pack | Compress files by Huffman coding |
| paste | Merge corresponding or subsequent lines of a file |
| patch | Change a file using diff output |
| pcat | Display Huffman-packed lines on standard output |
| pg | Display files interactively |
| sed | Start the sed noninteractive stream editor |
| sort | Start the sort-merge utility |
| spell | Detect spelling errors in files |
| split | Split a file into manageable pieces |
| strings | Display printable strings in binary files |
| sum | Calculate and display checksums and block counts |
| tabs | Set tab stops |
| tail | Display the last part of a file |
| tee | Duplicate the output stream |
| tr | Translate characters |
| tsort | Sort files topologically |
| umask | Set or return the file mode creation mask |
| uncompress | Undo Lempel-Zev compression of a file |
| unexpand | Compress spaces into tabs |
| uniq | Report or filter out repeated lines in a file |
| unmount | Remove a file system from the file hierarchy |
| unpack | Decode Huffman packed files |
| uudecode | Decode a transmitted binary file |
| uencode | Encode a file for safe transmission |
| vi | Use the display-oriented interactive text editor |
| wc | Count newlines, words, and bytes |
| zcat | Uncompress and display data |

Computing and managing logic

| | |
|---------------------------------|--|
| bc | Use the arbitrary-precision arithmetic calculation language |
| break | Exit from a for, while, or until loop in a shell script |
| colon or : | Do nothing, successfully |
| continue | Skip to the next iteration of a loop in a shell script |
| dot or . | Run a shell file in the current environment |
| eval | Construct a command by concatenating arguments |
| exec | Run a command and open, close, or copy the file descriptors |
| exit | Return to the parent process from which the shell was called or to TSO/E |
| expr | Evaluate arguments as an expression |
| false | Return a nonzero exit code |
| grep | Search a file for a specified pattern |
| left bracket or [| Test for a condition |
| let | Evaluate an arithmetic expression |
| test | Test for a condition |
| trap | Intercept abnormal conditions and intrpts. |
| true | Return a value of 0 |

Developing or porting application programs

| | |
|------------------|---|
| ar | Create or maintain library archives |
| awk | Process programs written in the awk language |
| c89 | Compile, link-edit, and assemble Standard C source code and create an executable file |
| c++/cxx | Compile, link-edit, and assemble C++ and Standard C source code and create an executable file on z/OS |
| cc | Compile, link-edit, and assemble Common Usage C source code and create an executable file on z/OS |
| dbx | Use the debugger |
| dbgld | Create a module map for debugging |
| dspcat | Display all or part of a message catalog |
| genscat | Create or edit message catalogs |
| lex | Generate a program for lexical tasks |
| Make | Maintain program-generated and interdependent files |
| mkcatdefs | Preprocess a message source file |
| runcat | Pipe output from mkcatdefs to genscat |
| strip | Remove unnecessary information from an executable file |
| yacc | Use the yacc compiler |

Communicating with the system or other users

| | |
|--------------|---------------------------------|
| mail | Read and send mail messages |
| mailx | Send or receive electronic mail |
| mesg | Allow or refuse messages |
| talk | Talk to another user |
| write | Write to another user |

Working with archives

| | |
|-------------|---|
| ar | Create or maintain library archives |
| cpio | Copy in/out file archives |
| pax | Interchange portable archives |
| tar | Manipulate the tar archive files to copy or back up a file |

† The **egrep** utility is fully supported for compatibility with older UNIX systems. However, use **grep -E** instead because it may provide greater functionality and is considered the standard for portable UNIX applications as defined by POSIX.2 IEEE standard 1003.2-1992.