

**KORN SHELL 93 – SET AND UNSET COMMANDS**

Mt Xia publishes information on a variety of topics such as Business Continuity, Disaster Recovery, High Availability, AIX, and Shell Programming.

**Mt Xia Inc.**  
**113 East Rich**  
**Norman, OK 73069**

**Dana French, President**  
**[dfrench@mtxia.com](mailto:dfrench@mtxia.com)**  
**615.556.0456**

<b>set [-flags] [-o option] [words]</b> sets <i>flags</i> , <i>options</i> and positional parameters.
<b>set</b> with no flags, options or words, displays the names and values of all shell and environment variables.
<b>set --</b> signals the end of options and disables further option processing. Any arguments after the -- are treated as file names and arguments. An argument of - is equivalent to --.
<b>set -a</b> ON - same as " <u>set -o allexport</u> " <b>set +a</b> OFF - same as " <u>set +o allexport</u> " automatically exports all shell variables when they are assigned values.
<b>set -A arrayname [word ...]</b> initializes an index array using <i>arrayname</i> as the name of the array variable. if one or more <i>words</i> is specified, each <i>word</i> is assigned to the array as an array element beginning at index position zero (0), incrementing the index by one (1) for each <i>word</i> .
<b>set -b</b> ON - same as " <u>set -o notify</u> " <b>set +b</b> OFF - same as " <u>set +o notify</u> " report the status of terminated background jobs immediately, don't wait for next command line prompt.
<b>set -C</b> ON - same as " <u>set -o noclobber</u> " <b>set +C</b> OFF - same as " <u>set +o noclobber</u> " STDOUT redirection (>) does not overwrite existing files.

<b>set [-flags] [-o option] [words]</b> sets <i>flags</i> , <i>options</i> and positional parameters.
<b>set -e</b> ON - same as " <u>set -o errexit</u> " <b>set +e</b> OFF - same as " <u>set +o errexit</u> " any command that exits with a non-zero return code causes the ERR trap to be executed, then exit the shell.
<b>set -f</b> ON - same as " <u>set -o noglob</u> " <b>set +f</b> OFF - same as " <u>set +o noglob</u> " disable korn shell pattern expansions, patterns are treated as literal strings.
<b>set -h</b> ON - same as " <u>set -o trackall</u> " <b>set +h</b> OFF - same as " <u>set +o trackall</u> " automatically make each command a tracked alias.
<b>set -k</b> ON - same as " <u>set -o keyword</u> " <b>set +k</b> OFF - same as " <u>set +o keyword</u> " automatically export all variable assignments to the environment.
<b>set -m</b> ON - same as " <u>set -o monitor</u> " <b>set +m</b> OFF - same as " <u>set +o monitor</u> " run background jobs in their own process group, print a message when they exit; set automatically for interactive shells on job control systems.
<b>set -n</b> ON - same as " <u>set -o noexec</u> " <b>set +n</b> OFF - same as " <u>set +o noexec</u> " read commands but do not execute them. This may be used to check a shell script for syntax errors. This is ignored by interactive shells.
<b>set -o</b> display the current value of all shell options
<b>set +o</b> displays all shell options that are " <u>ON</u> ".
<b>set -o allexport</b> ON – same as " <u>set -a</u> " <b>set +o allexport</b> OFF – same as " <u>set +a</u> " automatically exports variables upon assignment.
<b>set -o bgnice</b> ON <b>set +o bgnice</b> OFF causes subsequent background jobs to be run at a lower priority.

<b>set [-flags] [-o option] [words]</b> sets <i>flags</i> , <i>options</i> and positional parameters.
<b>set -o emacs</b> ON causes the shell to recognize emacs style command line editing. turning this option on turns off the vi or gmacs option.
<b>set -o errexit</b> ON - same as " <u>set -e</u> " <b>set +o errexit</b> OFF - same as " <u>set +e</u> " any command that exits with a non-zero return code causes the ERR trap to be executed, then exit.
<b>set -o gmacs</b> ON causes the shell to recognize <i>gmacs</i> style command line editing. turning this option ON turns OFF the vi or emacs option.
<b>set -o ignoreeof</b> ON <b>set +o ignoreeof</b> OFF causes the current shell to require the use of the exit command.
<b>set -o keyword</b> ON - same as "set -k" <b>set +o keyword</b> OFF - same as "set +k" automatically export all variable assignments to the environment.
<b>set -o markdirs</b> ON <b>set +o markdirs</b> OFF appends "/" to expanded directory names.
<b>set -o monitor</b> ON - same as "set -m" <b>set +o monitor</b> OFF - same as "set +m" run background jobs in their own process group, print a message when they exit; set automatically for interactive shells on job control systems.
<b>set -o noclobber</b> ON <b>set +o noclobber</b> OFF STDOUT redirection (>) does not overwrite existing files.
<b>set -o noexec</b> ON - same as "set -n" <b>set +o noexec</b> OFF - same as "set +n" read commands but do not execute them. This may be used to check a shell script for syntax errors. This is ignored by interactive shells.

**set [-flags] [-o option] [words]**sets *flags*, *options* and positional parameters.**set -o noglob** ON – same as “set -f”**set +o noglob** OFF – same as “set +f”

disable korn shell pattern expansions, patterns are treated as literal strings.

**set -o nolog** ON**set +o nolog** OFF

don't save functions in history file.

**set -o notify** ON – same as “set -b”**set +o notify** OFF – same as “set +b”

print job completion messages immediately, don't wait for next command line prompt.

**set -o nounset** ON – same as “set -u”**set +o nounset** OFF – same as “set +u”

generate an error if an attempt is made to substitute an unset variable.

**set -o pipefail** ON**set +o pipefail** OFF

change pipeline exit status to be that of the last command in the pipe to fail, or 0 if all commands in pipeline complete successfully.

**set -o privileged** ON – same as “set -p”**set +o privileged** OFF – same as “set +p”

don't read the \$HOME/.profile, and read the /etc/suid\_profile instead of \$ENV file.

**set -o trackall** ON – same as “set -h”**set +o trackall** OFF – same as “set +h”

automatically make each command a tracked alias.

**set -o verbose** ON – same as “set -v”**set +o verbose** OFF – same as “set +v”

print each shell command line as it is read.

**set -o vi** ONcauses the shell to recognize *vi* style command line editing. turning this option ON turns OFF the emacs or gmacs option. Press the **ESCAPE** key to enter command mode.**set [-flags] [-o option] [words]**sets *flags*, *options* and positional parameters.**set -o viraw** ON**set +o viraw** OFFuse with vi on systems without a smart tty line discipline. set this option if your tty drive does not have “crt” features or if you want **TAB** file name completion.**set -o xtrace** ON – same as “set -x”**set +o xtrace** OFF – same as “set +x”

displays the intermediate step during shell processing of each command as the shell performs substitutions, expansions, and evaluations. sometimes called debug mode.

**set -p** ON - same as “set -o privileged”**set +p** OFF - same as “set +o privileged”

don't read \$HOME/.profile, and read /etc/suid\_profile instead of \$ENV file.

**set -s** ON

sort the existing positional parameters in ASCII text order.

**set -t** ON

read and execute one command, then exit.

**set -u** ON - same as “set -o nounset”**set +u** OFF - same as “set +o nounset”

generate an error if an attempt is made to substitute an unset variable.

**set -v** ON - same as “set -o verbose”**set +v** OFF - same as “set +o verbose”

print each shell command line as it is read.

**set -x** ON - same as “set -o xtrace”**set +x** OFF - same as “set +o xtrace”

displays the intermediate step during shell processing of each command as the shell performs substitutions, expansions, and evaluations. sometimes called debug mode.

**set [-flags] [-o option] [words]**sets *flags*, *options* and positional parameters.**set [--] word ...**uses *words* to create positional parameters in the current shell. Each *word* is assigned as a positional parameter beginning at \${1}. The characters of the IFS variable are used as word separators. The *word* list can be a static list or generated via substitution, expansion, or evaluation. The “--” option turns off option processing so that if any *word* begins with a “-”, it is not treated as an option to “set”.**set [+flags] [+o option] [words]**unsets *flags* and *options*.**unset [-fnv] [name ...]**

unset functions, name references, and variables.

**unset name ...**

unset variable names from the current shell environment.

**unset -f name ...**

unset function names from the current shell environment.

**unset -n name ...**

unset nameref variables from the current shell environment.

**unset -v name ...**

unset variable names from the current shell environment.