

Migration Kit for Solaris OS to Linux



Using the Shell Script Portability Tool

Migration Kit for Solaris OS to Linux



Using the Shell Script Portability Tool

Note: Before using this information and the product it supports, read the general information in “Notices” on page 37.

First Edition (September 2005)

This edition applies to the Shell Script Portability tool and to all subsequent releases and modifications until otherwise indicated in new editions.

© Copyright International Business Machines Corporation 2005. All rights reserved.

US Government Users Restricted Rights – Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

Contents

Chapter 1. Installing and running Shell Script Tool	1
File system.	1
Chapter 2. Example output of shell script	3
Chapter 3. Error report	5
Chapter 4. Commands with different options in Solaris vs. Linux	7
Chapter 5. Commands analyzed but not flagged	21
Notices	37
Trademarks	38

Chapter 1. Installing and running Shell Script Tool

The Shell Script Tool is packaged into the file ShellScript.pkg.

In order to install the package on your system, run the following command as root:

```
pkgadd -d <dstream-file-name>
```

Once you have installed the package, the files on your system should be as described in “File system.” In order to run the shell script on a file, please run the following command:

```
/opt/ibm/mksl/lintscript file-name outfile-name
```

If file-name or outfile-name cannot be found, include the entire path (that is, /tmp/file-name). The output of the script will be sent to outfile-name and a summary of the results will also be given at the command line.

To later uninstall the package, issue the following command:

```
pkgrm <package-name>
```

File system

The following files should be extracted during installation of the SST package.

```
opt/ibm/  
opt/ibm/mksl/  
opt/ibm/mksl/lintscript  
opt/ibm/mksl/lintscript.temp  
opt/ibm/mksl/lintscript.orig  
opt/ibm/mksl/prepare.matchlist  
opt/ibm/mksl/lintscript_helpers/  
opt/ibm/mksl/lintscript_helpers/messages.sed  
opt/ibm/mksl/lintscript_helpers/must_examine_path.list  
opt/ibm/mksl/lintscript_helpers/no_target_dir.list  
opt/ibm/mksl/lintscript_helpers/comparable_path.list  
opt/ibm/mksl/lintscript_helpers/flagdiff.list.orig  
opt/ibm/mksl/lintscript_helpers/path.awk  
opt/ibm/mksl/lintscript_helpers/no_target_command.list  
opt/ibm/mksl/lintscript_helpers/match.list  
opt/ibm/mksl/lintscript_helpers/comparable_cmd.list  
opt/ibm/mksl/lintscript_helpers/path_may_not_map.list  
opt/ibm/mksl/lintscript_helpers/same_cmd.list  
opt/ibm/mksl/lintscript_helpers/commands_with_different_flags.list  
opt/ibm/mksl/lintscript_helpers/no_target_path.list  
opt/ibm/mksl/lintscript_helpers/comparable_cfg_path_is.list  
opt/ibm/mksl/lintscript_helpers/cfg_format_diff.list  
opt/ibm/mksl/lintscript_helpers/cfg_path_does_not_exit.list  
opt/ibm/mksl/lintscript_helpers/summary.awk  
opt/ibm/mksl/lintscript_helpers/multiple_solaris_commands.list  
opt/ibm/mksl/lintscript_helpers/commands_with_uncommon_different_flags.list  
opt/ibm/mksl/lintscript_helpers/commands_with_common_different_flags.list  
opt/ibm/mksl/lintscript_helpers/different_command.list  
opt/ibm/mksl/lintscript_helpers/commands_with_vastly_different_flags.list
```


Chapter 2. Example output of shell script

The following is an example of an output file including summary and detailed information.

```
+++ Begin report for 'filename' Wed Jul 13 11:38:01 EDT 2005

+++ Summary Information for 'filename'
21      Total Items identified

2       E4001 Items: Directory structure or file path may not map directly on Linux
18      E7002 Items: Solaris contains serveral versions of this command
1       E8001 Items: Command flags may be different on Linux

+++ Detail Information for spam
15      '/opt' E4001 This path may not map directly on Linux
15      'ls' E7002 multiple versions of this command exist on Solaris
19      '/dev' E4001 This path may not map directly on Linux
19      'grep' E7002 multiple versions of this command exist on Solaris
26      'grep' E7002 multiple versions of this command exist on Solaris
29      'grep' E7002 multiple versions of this command exist on Solaris
29      'sed' E7002 multiple versions of this command exist on Solaris
33      'grep' E7002 multiple versions of this command exist on Solaris
33      'sed' E7002 multiple versions of this command exist on Solaris
33      'tr' E7002 multiple versions of this command exist on Solaris
35      'rm' E7002 multiple versions of this command exist on Solaris
36      'read' E7002 multiple versions of this command exist on Solaris
53      'basename' E7002 multiple versions of this command exist on Solaris
61      'man' E8001 Command may have different flags on Linux.
64      'rm' E7002 multiple versions of this command exist on Solaris
65      'rm' E7002 multiple versions of this command exist on Solaris
66      'rm' E7002 multiple versions of this command exist on Solaris
75      'read' E7002 multiple versions of this command exist on Solaris
81      'awk' E7002 multiple versions of this command exist on Solaris
85      'sed' E7002 multiple versions of this command exist on Solaris
85      'sort' E7002 multiple versions of this command exist on Solaris

+++ End of report for 'filename'
```


Chapter 3. Error report

Usage:

```
lintscript source_file log_file [ Item[,Item] | - ]
```

- `lintscript -h`
- `source_file` - Shell script source file to examine.
- `log_file` - Appends summary and detail report information.
- `Item` - Excludes the common separated list of items and commands from the detail data of the report.
- `'-'` - reads exclude items and commands from standard in.

Search for the following items:

- **E1001** - File path does not exist on Linux®
- **E2001** - Path to file has changed on Linux
- **E3001** - Directory structure does not exist on Linux
- **E4001** - Directory structure or file path may not map directly on Linux
- **E5001** - Configuration file does not exist on Linux
- **E5002** - Comparable Linux Configuration file may exist
- **E5003** - Configuration file may have different options or format
- **E6001** - File does not exist on Linux
- **E6002** - Command may not exist on Linux
- **E6003** - Commands that are unrelated to the Linux commands with the same name.
- **E7001** - Comparable Linux Command may exist
- **E7002** - Solaris contains several versions of a command
- **E8001** - Command flags may be different on Linux
- **E8002** - Command may have commonly used flags that are different on Linux
- **E8003** - Command may have uncommonly used flags that are different on Linux
- **E8004** - Command may have completely different flags on Linux
- **E8005** - Commands that may have different output

Possible item resolutions:

- **E1001** Consult Linux man pages to determine if a comparable Linux path exists for these files.
- **E2001** Update the script to use Linux Path for this command.
- **E3001** Consult Linux man pages to determine if an equivalent directory structure exists on Linux.
- **E4001** Consult Linux man pages to determine the path the script should use.
- **E5001** Consult Linux man pages to determine if a comparable Configuration file exists on Linux.
- **E5002** Update the script to use the Linux Configuration file or files.
- **E5003** Consult man pages to determine proper config file options for Linux.
- **E6001-E6003** Consult Solaris and Linux man pages to find a comparable Linux command.

- **E7001** Consult Solaris and Linux man pages to find a comparable Linux Command
- **E7002** Determine which version of the Solaris command you are using. Then consult the Linux man pages to determine how to get the same behavior for this command on Linux.
- **E8001-E8004** Consult Solaris and Linux man pages to determine correct flags to use for these commands.
- **E8005** Consult man pages to determine if command output affects your script.

More details:

- **E1001** The command that you are trying to use does not exist. You will need to determine if a suitable command exists on Linux that can be used in its place.
- **E2001** The full path to the command is changed different on Linux. You will need to update the path to the command and determine if the suggested command path will give you the expected results.
- **E3001** The directory structure does not exist on Linux. You are on your own grass hopper.
- **E4001** You will need to determine what path should be used for files under the following directories /dev /devices /export /home /kernel /lib /mnt /net /opt /platform /proc /seti /var /vol /xfn
- **E5001** The configuration file does not exist on Linux. You are on your own grass hopper.
- **E5002** The configuration file that you are accessing does not exist. It may be replaced by the suggested configuration file. You will need to determine whether the suggested configuration file is correct and what subset of your config information goes in each suggested file.
- **E6001-E6003** Consult Solaris and Linux man pages to find a comparable Linux Command
- **E7002** Determine which version of the Solaris command you are using. Then consult the Linux man pages to determine how to get the same behavior for this command on Linux. Solaris has several versions of commands to allow for the same command to behave differently. For example, there are xpg4 versions of the commands that follow the xpg4 standard.
- **E8001-E8004** The flags on Solaris and Linux do not completely match up. You will need to consult Solaris and Linux man pages to determine correct flags on Linux.

Chapter 4. Commands with different options in Solaris vs. Linux

arch

Linux: None (equivalent to `uname -m`)

Solaris: `-k`

arp

Linux: `-e, -v, -n, -H type, -i if, -a hostname, -d hostname pub, -s hostname hw_addr temp, -s hostname hw_addr netmask nm pub, -Ds hostname ifa netmask nm pub, -D, -f filename`

Solaris: `-a, -n, -d hostname, -f filename, -s hostname ether_address temp pub trail`

as (flagged because has SPARC commands)

Linux: `-a[c,d,h,l,m,n,s], -f, -o, -v, -l path, -J, -R, -W, -Z`

Solaris: `-b, -K PIC, -L, -m, -n, -o outfile, -P, -Dname, -Dname=def, -lpath, -Uname, -Qy l n, -s, -S[alblclllAlBlClL], -T, -V, -xF`

at

Linux: `-c job, -d job, -f file, -l, -m, -q letter, -V`

Solaris: `-c, -k, -s, -f file, -l, -m, -p project, -q queue_name, -r at_job_id, -t time`

atrm

Linux: `-q queue, -v`

Solaris: `-a, -f, -i`

atq

Linux: `-q, -v, -V`

Solaris: `-c, -n`

batch

Linux: `-f file, -m, -q letter, -V, -v`

Solaris: `-p project`

col

Linux: `-b, -f, -l n, -x`

Solaris: `-b, -f, -p, -x`

cp

Linux: `-a (or --archive), --backup=CONTROL, -b, --copy-contents, -d, --no-dereference, -f (or --force), -i (or --interactive), -H, -l (or --link), -L (or --dereference), -p, --preserve=ATTR_LIST, --no-preserve=ATTR_LIST, --parents, -P, -R (or -r or --recursive), --remove-destination, --reply=[yes,no,query], --sparse=WHEN, --strip-trailing-slashes, -s (or --symbolic-link), -S (or --suffix=SUFFIX), --target-directory=DIRECTORY, -u (or --update), -v (or --verbose), -x (or --one-file-system), --help`

Solaris: `-f, -i, -r, -R, -@, -p`

cpio

Linux: -i, -o, -p (each option has several additional options)

Solaris: -i, -o, -p

Solaris: (following commands can be added to i, o and p) -a, -A, -b, -B, -c, -C bufsize, -d, -E file, -f, -H header, -I file, -k, -l, -L, -m, -M message, -o file, -P, -r, -R id, -s, -S, -t, -u, -v, -V, -6, -@

ctags

— Linux: -a, -B, -e, -f tagfile, -F, -h list, -I identifier-list, -L file, -n, -N, -o tagfile, -R, -u, -V, -w, -x, -append[=yes|no], -etags-include=file, —exclude=[pattern], —excmd=type, —extra=[+|-]flags, —fields=[+|-]flags, —file-scope[=yes|no], —filter[=yes|no], —filter-terminator=string, —format=level, —help, —if0[=yes|no], —<LANG>-kinds=[+|-]kinds, —langmap=map[,map[...]], —langdef=name, —language-force=language, —language=[+|-]list, —license, —line-directives[=yes|no], —links[=yes|no], —list-kinds[=language|all], —list-maps[=language|all], —list-languages, —options=file, —recurse[=yes|no], —regex-<LANG>=/regexp/replacement/[kind-spec]/[flags], —sort[=yes|no|foldcase], —tag-relative[=yes|no], —totals[=yes|no], —verbose[=yes|no], —version

Solaris: -a, -B, -F, -t, -u, -v, -w, -x, -f tagsfile

date

Linux: -d (or —date=STRING), -f (or —file=DATEFILE), -ITIMESPEC, -r, -R, -s, -u, —help, —version

Solaris: -a [-] sss.fff, -u

diff

Linux: -a, -b, -B, -c, -C lines, -d, -D name, -e, -f, -F, -H, -i, -l, -L, -n, -N, -p, -P, -q, -r, -s, -S, -t, -T, -u, -U, -v, -w, -W, -x, -X, -y

Solaris: -b, -i, -t, -w, -c, -C number, -D string, -e, -f, -h, -n, -u, -U number, -l, -r, -s, -S name

dig

Linux: @server, -b address, -c class, -f filename, -k filename, -p port#, -t type, -x addr, -y name:key

Solaris: @server, domain, query-type, query-class, +query-option, -dig-option, %ignored-comment

disable

Linux: -E, -c, -h server, -r reason

Solaris: -c, -W, -r reason

ed

Linux: -G, -s, -p string, file

Solaris: -C, -p string, -s, -x

enable

Linux: -a, -d, -n, -p, -s, -f filename, name

Solaris: -c, -W, -r [reason]

fdformat

Linux: -n

Solaris: -b label, -B filename, -D, -e, -E, -f, -H, -M, -q, -t dos, -t nec, -U, -v, -x

file

Linux: -b, -c, -f file, -L, -m file, -n, -s, -v, -z

Solaris: -c, -h, -f ffile, -m mfile

finger

Linux: -l, -m, -s, -p, user, user@host

Solaris: -b, -f, -h, -i, -l, -m, -p, -q, -s, -w, -l, user@host

format

Linux (flag characters for conversion specifier): -, +, space, 0, #, d, u, i, o, x or X, c, s, f, e, g or G, -%

Solaris: -f command-file, -l log-file, -x data-file, -d disk-name, -t disk-type, -p partition-name, -s, -m, -M, -e, -disk-list

fsck

Linux: -s, -A, -V, -R, -T, -N, -P, -C [fd], -t fstype, filesystems, —, fs specific-options

Solaris: -F FSType, -m, -V, -n, -N, -y, -Y, -o FSType-specific-options

ftp

Linux: -v, -d, -i, -n, -g, -k realm, -f, -x, -u, -t, host

Solaris: -d, -g, -i, -n, -p, -t, -v, -T timeout, host

fuser

Linux: -a, -s, -4, -6, -n space, -signal, -k, -i, -m, -u, -v, -l, -V

Solaris: -c, -f, -nu, -k, -s sig

getconf

Linux: -v specification

Solaris: -a, -v specification

getfacl

Linux: —access, -d, —omit-header, —all-effective, —no-effective, —skip-base, -R, -L, -P, —tabular, —absolute-names, —version

Solaris: -a, -d

gprof

Linux: -a, -b, -c, -i, -k from to, -m n, -n[symspec], -p[symspec], -q[symspec], -s, -v, -wn, -x, -y, -z, -A[symspec], -C[symspec], -F routine, -l dirs, -J[symspec], -L, -N[symspec], -P[symspec], -Q[symspec], -T, -Z[symspec]

Solaris: -a, -b, -c, -C, -D, -e function-name, -E function-name, -f

history

Linux: -c, -d, -a, -n, -r, -w, -p, -s

Solaris: -e editor, -l, -n, -r, -s

init

Linux: -a, -s, -b, -z xxx, -0, -1, -2, -3, -4, -5, -6, -S, -s

Solaris: -0, -1, -2, -3, -4, -5, -6, -a, -b, -c, -Q, -q, -S, -s

install (-c exists in Linux but does not do anything)

Linux: -b, -d, -g group, -m mode, -o owner, -p, -s, -v, -C, -D, -S suffix

Solaris: -c, -d, -s, -g group, -m mode, -o owner

ipcs

Linux: -a, -m, -q, -s, -c, -l, -p, -t, -u, -h, -i identifier

Solaris: -m, -q, -s, -a, -A, -b, -c, -D mtype, -i, -o, -p

join

Linux: -a filename, -e string, -i, -1 fieldnum1, -2 fieldnum2, -o fieldlist, -t char, -v filename

Solaris: -a filename, -e string, -j fieldnumber, -j 1 fieldnumber, -j 2 fieldnumber, -o list, -t char, -v filename, -1 fieldnumber, -2 fieldnumber

lastcomm

Linux: -f file, -V, -h

Solaris: -f file, -x

ldapadd

Linux: -c, -S file, -n, -v, -k, -K, -M[M], -d debuglevel, -D binddn, -W, -w passwd, -y passwdfile, -h ldaphost, -p ldapport, -P 213, -O security-properties, -l, -Q, -U authcid, -R realm, -x, -X authzid, -Y mech, -Z[Z], -f file

Solaris: -c, -n, -v, -F, -d debuglevel, -D binddn, -w passwd, -h ldaphost, -p ldapport, -f file, -l nb-ldap-connections

ldapdelete

Linux: -n, -v, -k, -K, -c, -M[M], -d debuglevel, -f file, -D binddn, -W, -w passwd, -y passwdfile, -H dapuri, -h ldaphost, -P 213, -p ldapport, -O security-properties, -U authcid, -R realm, -x, -l, -Q, -X authzid, -Y mech, -Z[Z], dn

Solaris: -n, -o, -v, -c, -d debuglevel, -f file, -D binddn, -w passwd, -h ldaphost, -M authentication, -p ldapport, dn...

ldapmodify

Linux: -a, -c, -S file, -n, -v, -k, -K, -M[M], -d debuglevel, -D binddn, -W, -w passwd, -y passwdfile, -H dapuri, -h ldaphost, -p ldapport, -P 213, -O security-properties, -l, -Q, -U authcid, -R realm, -x, -X authzid, -Y mech, -Z[Z], -f file

Solaris: -a, -c, -r, -n, -v, -F, -d debuglevel, -D binddn, -w passwd, -h ldaphost, -M authentication, -p ldapport, -f file, -l nb-ldap-connections

ldapmodrdn

Linux: -r, -n, -v, -k, -K, -c, -M[M], -d debuglevel, -D binddn, -W, -w passwd, -y passwdfile, -H dapuri, -h ldaphost, -p ldapport, -P 213, -O security-properties, -l, -Q, -U authcid, -R realm, -x, -X authzid, -Y mech, -Z[Z], -f file, dn rdn

Solaris: -r, -n, -v, -c, -d debuglevel, -D binddn, -w passwd, -h ldaphost, -M authentication, -p ldapport, -f file, dn rdn

ldapsearch

Linux: -n, -u, -v, -k, -K, -t, -A, -L[L], -M[M], -d debuglevel, -f file, -D binddn, -W, -w passwd, -y passwdfile, -H dapuri, -h ldaphost, -p ldapport, -P 2l3, -b searchbase, -s baselonelsub, -a neverlalwayslsearchlfind, -l timelimit, -z sizelimit, -O security-properties, -l, -Q, -U authcid, -R realm, -x, -X authzid, -Y mech, -Z[Z]

Solaris: -n, -u, -v, -t, -A, -B, -L, -R, -d debuglevel, -F sep, -f file, -D binddn, -w passwd, -h ldaphost, -M authentication, -p ldapport, -b searchbase, -s scope, -a deref, -l time limit, -z size limit, filter

localedef

Linux: -f charmapfile, -i inputfile, -c force, -v, -u codeset, -h, -V

Solaris: -c, -C compiler_options, -f charmap, -i sourcefile, -L linker_options, -m model, -W cc,arg, -x extensions_file

login

Linux: -p, -h hostname, -f name

Solaris: -p, -d device, -h hostname, -r hostname

lp

Linux: -E, -c, -d destination, -h hostname, -i job-id, -m, -n copies, -o option, -q priority, -s, -t name, -u username, -H handling, -P page-list

Solaris: -c, -d destination, -f form-name, -H special-handling, -i request-ID, -m, -n number, -o option, -p page-list, -p, -q priority-level, -s, -S character-set | print-wheel, -t title, -T content-type [-r], -w, -y mode-list

lpr

Linux: -h, -l, -f, -h, -i [cols], -k, -l, -m address, -w n, -A, -B, -C class, -F filter, -G, -J name, -K n, -# n, -P printer, -T title, -U user, -V, -X command, -Y host%port, -Z options

Solaris: -P destination, -# number, -C class, -J job, -T title, -i indent, -1 | -2 | -3 | -4 font, -w cols, -m , -h, -s, - filter_option

lpstat

Linux: -a [list], -c [list], -d, -f [list], -l, -o [list], -p [list], -r, -s, -t, -u [list], -A

Solaris: -d, -o [list], -r, -R, -s, -t, -u [login-ID-list], -v [list]

ls

Linux: -a, -A, —author, -b, —block-size=SIZE, -B, -c, -C, —color[=WHEN], -d, -D, -f, -F, —format=WORD, —full-time, -g, -G, -h, —si, -H, —dereference-command-line-symlink-to-dir, —indicator-style=WORD, -i, -l, -k , -l, -L, -m, -n, -N, -o, -p, -q, —show-control-chars, -Q, —quoting-style=WORD, -r, -R, -s, -S, —sort=WORD, —time=WORD, —time-style=STYLE, -t, -T, -u, -U, -v, -w, -x, -X, -1

Solaris: -a, -A, -b, -c, -C, -d, -f, -F, -g, -h, -i, -l, -L, -m, -n, -o, -p, -q, -r, -R, -s, -t, -u, -@, -x, -1

man

Linux: -7, -a, -b, -d, -f, -k, -l, -m systems, -p preprocessors, -r prompt, -t, -u, -w, -W, -D, -K directory, -L locale, -M path, -P pager, -S sections, -T device, -Z

Solaris: -a, -d, -f file..., -F, -k keyword, -l, -M path, -r, -s section.... -t, -T macro-package

mkfifo

Linux: -Z, -m, —help, —version

Solaris: -m mode

mkisofs

Linux: -abstract FILE, -A application_id, -allow-leading-dots, -ldots, -allow-lowercase, -allow-multidot, -biblio FILE, -cache-inodes, -no-cache-inodes, -b eltorito-boot-image, -eltorito-alt-boot, -B img, -sparc-boot, -G generic_boot_image, -hard-disk-boot, -no-emul-boot, -no-boot, -boot-load-seg segment_address, -boot-load-size load_sectors, -boot-info-table, -C, -c boot_catalog, -check-oldnames, -check-session FILE, -copyright FILE, -d, -D, -dir-mode mode, -dvd-video, -f, -file-mode mode, -gid gid, -gui, -graft-points, -hide glob, -hidden-list file, -hide-joliet glob, -hide-joliet-list file, -hide-joliet-trans-tbl, -hide-rr-moved, -input-charset charset, -output-charset charset, -iso-level level, -J, -joliet-long, -jcharset charset, -l, -L, -log-file log_file, -m glob, -exclude-list file, -max-iso9660-filenames, -M path (or -M device or -dev device), -N, -new-dir-mode mode, -nobak, -no-bak, -force-rr, -no-rr, -no-split-symlink-components, -no-split-symlink-fields, -o filename, -pad, -no-pad, -path-list file, -P, -publisher publisher_id, -p preparer_id, -print-size, -quiet, -R, -r, -relaxed-filenames, -root dir, -old-root dir, -sort sort file, -sparc-boot, -sparc-label label, -split-output, -stream-media-size #, -stream-file-name name, -sunx86-boot img, -sunx86-label label, -sysid ID, -T, -table-name TABLE_NAME, -ucs-level level, -udf, -uid uid, -use-fileversion, -U, -no-iso-translate, -V valid, -volset ID, -volset-size #, -volset-seqno #, -v, -xpath, -z

— Solaris: -abstract FILE, -allow-lowercase, -allow-multidot, -biblio FILE, -cache-inodes, -no-cache-inodes, -b eltorito_boot_image, -eltorito-alt-boot, -B sparc_boot_image_list, -G generic_boot_image, -gui, -C #, #, -hard-disk-boot, -no-emul-boot, -no-boot, -boot-load-seg, -boot-load-size, -boot-info-table, -c boot_catalog, -check-oldnames, -check-session FILE, -copyright FILE, -A application_id, -f, -d, -D, -dir-mode mode, -file-mode mode, -gid gid, -hide glob, -hide-list file, -hidden glob, -hidden-list file, -hide-joliet glob, -hide-joliet-list file, -hide-joliet-trans-tbl, -hide-rr-moved, -iso-level level, -input-charset charset, -output-charset charset, -J, -jcharset charset, -l, -L, -log-file log_file, -max-iso9660-filenames, -M path | device, -new-dir-mode mode, -nobak, -no-bak, -no-split-symlink-components] [-no-split-symlink-fields, -pad, -no-pad, -path-list file, -p preparer, -print-size, -P publisher, -quiet, -r, -R, -relaxed-filenames, -sort sort file, -sysid ID, -T | -table-name TABLE_NAME, -ucs-level level, -uid uid, -use-fileversion, -U, -no-iso-translate, -v, -V valid, -volset ID, -volset-size #, -volset-seqno #, -x path, -exclude-list file, -z, -m glob, -hfs | -apple, -map mapping_file, -magic magic_file, -probe, -no-desktop, -mac-name, -boot-hfs-file driver_file, -part, -auto AutoStart_file, -cluster-size size, -hide-hfs glob, -hide-hfs-listfile, -hfs-valid hfs_valid, -icon-position, -root-info FILE, -prep-boot FILE, -hfs-creator CREATOR, -hfs-type TYPE, -input-hfs-charset charset, -output-hfs-charset charset, -hfs-unlock, -hfs-bless folder_name, —cap,

—netatalk, —double, —ethershare, —ushare, —exchange, —sgi, —xinet,
—macbin, —single, —dave, —sfm, -o filename, pathspec [pathspec]

mknod

Linux: -Z, -m

Solaris: -b, -c, -p

modinfo

Linux: -O, -F field, modulename | filename ..., -V, -h

Solaris: -c, -w, -i module-id

more

Linux: -num, -d, -l, -f, -p, -c, -s, -u, +num

Solaris: -c, -d, -s, -f, -l, -r, -u, -w, -lines, +linenumber, + / pattern, -e, -i, -n
number, -p command, -t tagstring, -u

mount

Linux: -V, -h, -v, -a, -F, -f, -i, -l, -n, -p num, -s, -r, -w, -L label, -U uuid, -t
vfstype, -O, -o

Solaris: -p, -v, -F FSType, generic-options, -o specific_options, -O special |
mount_point

mpstat

Linux: -P {cpulALL}, -V

Solaris: -a, -p, -P set, interval, count

netstat

Linux: -v, -n, —numeric-hosts, —numeric-ports, —numeric-users, -A (or
—protocol=family), -c (or —continuous), -e (or —extend), -o (or —timers),
-p (or —program), -l (or —listening), -a (or —all), -F, -C, delay

Solaris: -a, -n, -v, -f address_family, -P protocol, -g, -p, -s, -m, -i, -l
interface, -r, -M, -D

newgrp

Linux: None

Solaris: -l | -

nfsstat

Linux: -a, -s, -c, -n, -r, -o facility, -z

Solaris: -c, -n, -r, -s, -m, -z, -a

nl

Linux: -b, -d, -f, -h, -i, -l, -n, -p, -s, -v, -w, —help, —version

Solaris: -p, -b type, -d delim, -f type, -h type, -i incr, -l num, -n format, -s
sep, -w width, -v startnum

nroff

Linux: -h, -i, -m name, -n num, -o list, -p, -rcn, -S, -t -Tname, -U, -v

Solaris: -e, -h, -i, -q, -m name, -nN, -o pagelist, -raN, -sN, -Tname, -uN

nslookup

Linux: host [server], server domain, lserver domain, root, finger, ls, view, help, ?, exit, set keyword[=value] (note: valid keywords are- all, class=value, [no] debug, [no] d2, domain=name, [no]search, , port=value, querytype=value, type=value, [no]recurse, retry=number, timeout=number, [no] vc)

Solaris: all, class=classname, d2, nod2, debug, nodebug, defname, nodefname, domain=string, ignoretc

nsupdate

Linux: -d, -y keyname:secret, -k keyfile, -v, filename

Solaris: -d, -k, -v

passwd

Linux: -k, -l, -u, -f, -d, -n mindays, -x maxdays, -w warn-days, -i inactivedays, -S, —stdin, username

Solaris: -r files, -r ldap, -r nis, -r nisplus, -e, -g, -h, -s, -a, -d, -l, -f, -n min, -w warn, -x max

pax (Linux does not have -@ option)

Linux: -r, -w, -a, -b blocksize, -c, -d, -f archive, -i, -k, -l, -n, -o options, -p string, -s replstr, -t, -u, -v, -x format, -z, -B bytes, -D, -E limit, -G group, -H, -L, -P, -T, -U user, -X, -Y, -Z

Solaris: -r, -w, -a, -b blocksize, -c, -d, -f archive, -i, -k, -l, -n, -o options, -p string, -s replstr, -t, -u, -v, -x format, -X, -@

perl

Linux: -s, -T, -u, -U, -h, -v, -V[:configvar], -c, -w, -d[:debugger], -D[number/list], -p, -n, -a, -F pattern, -l octal, -O octal, -l dir, -m[-]module, -M[-]module..., -P, -S, -x[dir], -i[extension], -e 'command', —, programfile

Solaris: -s, -T, -u, -U, -h, -v, -V[:configvar], -c, -w, -d[:debugger], -D[number/list], -p, -n, -a, -F pattern, -l octal, -O octal, -l dir, -m[-]module, -M[-]module, -P, -S, -x[dir], -i[extension], -e 'command', —, programfile

pgrep

Linux: -f, -l, -v, -x, -d delim, -n, -o, -P ppid, -g pgrp, -s sid, -u euid, -U uid, -G gid, -t term, pattern

Solaris: -d delim, -f, -g pgrplist, -G gidlist, -J projidlist, -l, -n, -o, -p ppidlist, -s sidlist, -t termlist, -T taskidlist, -u euidlist, -U uidlist, -v, -x, -signal

ping

Linux: -a, -A, -b, -B, -c count, -d, -F flow label, -f, -i interval, -I interface address, -l preload, -L, -n, -p pattern, -Q tos, -q, -R, -r, -s packetsize, -S sndbuf, -t ttl, -T timestamp option, -M hint, -U, -v, -V, -w deadline, -W timeout

Solaris: -s, -l | -U, -a, -d, -l, -L, -n, -r, -R, -v, -A addr_family, -c traffic_class, -g gateway, -F flow_label, -I interval, -i interface, -P tos, -p port, -t ttl

pkill

Linux: -d delimiter, -f, -g pgrp, -G gid, -l, -n, -o, -p ppid, -s sid, -t term, -u euid, -U uid, -v, -x, -signal

Solaris: -signal, -f, -v, -x, -n | -o, -P ppidlist, -g pgrplist, -s sidlist, -u euidlist, -U uidlist, -G gidlist, -J projidlist, -t termlist, -T taskidlist

profiles

Linux: -v, -c SID1, -n SID2, file

Solaris: -l

ps (some options do not have initial -)

Linux: -A, -N, T, -a, a, -d, -e, g, r, x

Solaris: -a, -A, -c, -d, -e, -f, -g grplist, -G gidlist, -j, -l, -L, -n namelist, -o format, -ps proclist, -p, -s sidlist, -t term, -u uidlist, -U uidlist, -y

rcp

Linux: -p, -x, -k realm, -c ccachefile, -C configfile, -D port, -N, -PN, -PO, -f, -t

Solaris: -p, -r

rdist

Linux: -a num, -c name, -d var=value, -f file, -l options, -m machine, -n, -o options, -p path, -t seconds, -A num, -D, -F, -L options, -M num, -P path, -V

Solaris: -b, -c pathname...[login @[hostname[:destpath]], -d macro=value, -D-f distfile, -h, -i, -m host, -n, -q, -R, -v, -w, -y

read

Linux: -e, -r, -s, -u fd, -t timeout, -a aname, -p prompt, -n nchars, -d delim, name

Solaris: -r, -p prompt, , -s, -u name ? prompt

red

Linux: -G, -s, -p string, file

Solaris: -s | -, -p string, -x, -C, file

renice

Linux: +num, -num, -g, -p, -u

Solaris: -g, -i, -n increment, -p, -u

rlogin

Linux: -ec, -8, -c, -a, -f, -F, -t termttype, -n, -7, -PN, -PO, -4, -d, -k realm, -l'm sox, -L, -l username

Solaris: -8, -E, -L, -ec, -l username

rm

Linux: -d (or **—directory**), -f (or **—force**), -i (or **—interactive**), **—no-preserve-root**, **—preserve-root**, -r (or **-R** or **—recursive**), -v (or **—verbose**)

Solaris: -r, -R, -f, -i, -p, -s

rmdir

Linux: -p

Solaris: -r, -R, -p, -s

rpcinfo

Linux: -p host, -n portnum, -u host program [version], -t host program [version], -b program version, -d program version

Solaris: [-m | -s] host, -p host, -T transport host prognum [versnum], -l [-T transport] host prognum versnum, [-n portnum] -u host prognum [versnum], [-n portnum] -t host prognum [versnum], -a serv_address -T transport prognum [versnum], -b [-T transport] prognum versnum, -d [-T transport] prognum versnum

set

Linux: -a, -b, -e, -f, -h, -k, -m, -n, -o option-name, -p, -t, -u, -v, -x, -B, -C, -E, -H, -P, -T

Solaris: (sh) —, -a, -e, -f, -h, -k, -n, -t, -u, -v, -x

Solaris: (ksh) -A, -a, -e, -f, -h, -k, -m, -n, -o, -p, -s, -t, -u, -v, -x, -

Solaris: -l, -e, -f file

setfac1

Linux: -b, -k, -n, -d, -R, -L, -P, -v, -h, -m acl_spec, -x acl_spec, -M acl_file, -X acl_file, —restore=file

Solaris: -r, -s, -m, -d, -f

sh

Linux: -c string, -i, -l, -r, -s, -D, [+O] [shopt-option], —

Solaris: -a, -c, -e, -f, -h, -i, -k, -n, -p, -r, -s, -t, -u, -v, -x

sort

Linux: -b, -d, -f, -g, -i, -M, -n, -r, -c, -k, -m, -o, -s, -S, -t, -T, -u, -z

Solaris: -c, -m, -o output, -S kmem, -T directory, -u, -y kmem, -z recsz, -d, -f, -i, -M, -n, -r, -b, -t char, -k keydef

source

Linux: None

Solaris: -h

ssh

Linux: -1, -2, -4, -6, -A, -a, -C, -f, -g, -k, -M, -N, -n, -q, -s, -T, -t, -V, -v, -X, -x, -Y, -b bind_address, -c cipher_spec, -D port, -e escape_char, -F configfile, -i identity_file, -L port:host:hostport, -l login_name, -m mac_spec, -o option, -p port, -R port:host:hostport, -S ctl, user@]hostname

Solaris: -l login_name, -a, -f, -g, -k, -n, -q, -t, -v, -x, -A, -C, -N, -P, -T, -X, -2, -4, -6, -c cipher_spec, -e escape_char, -i identity_file, -o option, -p port, -L port:host:hostport, -R port:host:hostport, user@hostname

sshd

Linux: -4, -6, -D, -d, -e, -i, -q, -t, -b bits, -f config_file, -g login_grace_time, -h host_key_file, -k key_gen_time, -o option, -p port, -u

Solaris: -d, -i, -q, -Q, -4, -6, -b bits, -f config_file, -g login_grace_time, -h host_key_file, -k key_gen_time, -p port, -u len, -V client_protocol_id

ssh-keygen

Linux: -q, -b bits, -t type, -N new_passphrase, -C comment, -f output_keyfile, -p, -P old_passphrase, -i, -e, -y, -c, -l, -B, -D, -U, -r, -g, -G outfile_name, -v, -M memory, -S start_point, -T output_file, -f input_file, -a num_trials, -W generator

Solaris: -q, -t type, -b bits, -N new_passphrase, -C comment, -f output_keyfile, -P old_passphrase, -f input_keyfile, -x, -X, -y, -c, -l, -R

strace

Linux: -c, -d, -f, -ff, -F, -h, -i, -q, -r, -t, -tt, -ttt, -T, -v, -V, -x, -xx, -a column, -e expr, -e trace=set, -e trace=file, -e trace=process, -e trace=network, -e trace=signal, -e trace=ipc, -e abbrev=set, -e verbose=set, -e raw=set, -e signal=set, -e read=set, -e write=set, -o filename, -O overhead, -p pid, -s strsize, -S sortby, -u username, -E var=val, -E var

Solaris: -E, -N, -F

syslogd

Linux: -a socket, -d, -f config file, -h, -l hostlist, -m interval, -n, -p socket, -r, -s domainlist, -v, -x

Solaris: -d, -f config file, -m markinterval, -p path, -t, -T

tar (I separates commands)

Linux: [-] A —catenate —concatenate | c —create | d —diff —compare | r —append | t —list | u —update | x —extract —get [—atime-preserve] [-b, —block-size N] [-B, —read-full-blocks] [-C, —directory DIR] [—checkpoint] [-f, —file [HOSTNAME:]F] [—force-local] [-F, —info-script F —new-volume-script F] [-G, —incremental] [-g, —listed-incremental F] [-h, —dereference] [-i, —ignore-zeros] [-j, -l, —bzip] [—ignore-failed-read] [-k, —keep-old-files] [-K, —starting-file F] [-l, —one-file-system] [-L, —tape-length N] [-m, —modification-time] [-M, —multi-volume] [-N, —after-date DATE, —newer DATE] [-o, —old-archive, —portability] [-O, —to-stdout] [-p, —same-permissions, —preserve-permissions] [-P, —absolute-paths] [—preserve] [-R, —record-number] [—remove-files] [-s, —same-order, —preserve-order] [—same-owner] [-S, —sparse] [-T, —files-from=F] [—null] [—totals] [-v, —verbose] [-V —label NAME] [—version] [-w, —interactive, —confirmation] [-W, —verify] [—exclude FILE] [-X, —exclude-from FILE] [-Z, —compress, —uncompress] [-z, —gzip, —ungzip] [—use-compress-program PROG] [—block-compress] [-[0-7][lmh]]

Solaris: -c, -r, -t, -u, -x, -b, -B, -e, -E, -f, -F, -h, -i, -k size, -l, -m, -n, -o, -p, -q, -v, -w, -X, -@, -[0-7]

tbl

Linux: -C, -v

Solaris: -me, -mm, -ms

troff

Linux: -a, -b, -c, -i, -v, -z, -C, -E, -R, -U, -d cs, -f fam, -F dir, -m name, -M dir, -n num, -o list, -r cn, -T name, -w name, -W name, files

Solaris: -a, -f, -Fdir, -i, -mname, -nN, -olist, -q, -raN, -sN, -Tdest, -uN, -z

tset

Linux: -e char, -i char, -l, -k char, -m arg, -q, -Q, -r, -s, -V

Solaris: -, -ec, -ic, -l, -kc, -n, -Q, -r, -s, -m

tty

Linux: -s

Solaris: -l, -s

ulimit

Linux: -S, -H, -a, -c, -d, -f, -l, -m, -n, -p, -s, -t, -u, -v

Solaris: -f, -H, -S, -c, -d, -n, -s, -t, -v, -h, -a

umask

Linux: -p, -S, mode

Solaris: -S, ooo

umount

Linux: -V, -h, -v, -n, -r, -d, -a, -t vfstype, -O options, -f, -l

Solaris: -F FSType, -a, -f, -p, -V, -m, -g, -o, -O, -r

uname

Linux: -a, -s, -n, -r, -v, -m, -p, -i, -o, --help, --version

Solaris: -a, -i, -m, -n, -p, -r, -s, -S system_name, -v, -X

uniq

Linux: -n, -f n, +n, -s n, -c, -d, -D, -i, -u, -w n

Solaris: -c, -d, -f fields, -s chars, -u, -n, +m

vi

Linux: +[num], +/{pat}, +{command}, -c {command}, -S {file}, --cmd {command}, -A, -b, -C, -d, -d {device}, -D, -e, -E, -f, --nofork, -F, -g, -h, -H, -i {viminfo}, -L, -l, -m, -M, -N, -n, -nb, -o[N], -O[N], -R, -r, -r {file}, -s, -s {scriptin}, -T {terminal}, -u {vimrc}, -U {gvimrc}, -V [N], -v, -w {scriptout}, -W {scriptout}, -x, -X, -y, -Z, --, --echo-wid, --help, --literal, --noplugin, --remote, --remote-expr {expr}, --remote-send {keys}, --remote-silent, --remote-wait, --remote-wait-silent, --serverlist, --servername {name}, --socketid {id}, --version

Solaris: - l -s, -C, -l, -L, -r filename, -R, -S, -t tag, -v, -V, -wn, -x, + command, -c command

view

Linux: +[num], +/{pat}, +{command}, -c {command}, -S {file}, --cmd {command}, -A, -b, -C, -d, -d {device}, -D, -e, -E, -f, --nofork, -F, -g, -h, -H, -i {viminfo}, -L, -l, -m, -M, -N, -n, -nb, -o[N], -O[N], -R, -r, -r {file}, -s, -s {scriptin}, -T {terminal}, -u {vimrc}, -U {gvimrc}, -V [N], -v, -w {scriptout}, -W {scriptout}, -x, -X, -y, -Z, --, --echo-wid, --help, --literal, --noplugin, --remote, --remote-expr {expr}, --remote-send {keys}, --remote-silent, --remote-wait, --remote-wait-silent, --serverlist, --servername {name}, --socketid {id}, --version

Solaris: - l -s, -l, -L, -R, -r filename, -S, -t tag, -v, -V, -x, -wn, -C, +command
l -c command

vmstat

Linux: -a, -f, -m, -n, -s, delay, count, -d, -p, -S, -V

Solaris: -c, -i, -p, -s, -S, disks, interval [count]

wall

Linux: -n

Solaris: -a, -g grpname, filename

wc

Linux: -c, -m, -l, -L, -w

Solaris: -c, -C, -l, -m, -w

xargs

Linux: -0, -e string, -i string, -l lines, -n args, -p, -P max, -r, -s max, -t, -x

Solaris: -e [eofstr], -E eofstr, -l replstr

yacc

Linux: -d, -l, -r, -t, -v, -b file_prefix, -o output_filename, -p symbol_prefix

Solaris: -b file_prefix, -d, -l, -p sym_prefix, -P parser, -Q[yln], -t, -v, -V

zcat

Linux: -f, -h, -L, -V (equivalent to gunzip -c)

Solaris: (equivalent to uncompress -c)

Chapter 5. Commands analyzed but not flagged

apropos

Linux: None

Solaris: None

awk

Linux: -f progfile, -Fc, -v var, -mf NNN, -W option

Solaris: -f progfile, -Fc

bash

Linux: -c string, -i, -l, -r, -s, -D, --O shopt_option

Solaris: -c string, -r, -i, -s, -D

break

Linux: None

Solaris: None

bunzip2

Linux: -f, -k, -v, -s, -V, -L

Solaris: -f, -k, -v, -s, -V, -L

bzcat

Linux: -s

Solaris: -s

bzip2

Linux: -c, -d, -f, -k, -q, -s, -t, -v, -z, -V, -L, -1, -2, -3, -4, -5, -6, -7, -8, -9

Solaris: -c, -d, -f, -k, -q, -s, -t, -v, -z, -V, -L, -1, -2, -3, -4, -5, -6, -7, -8, -9

cancel

Linux: -a, -h server, -u username, id, destination, destination-id

Solaris: destination-id, -u username

captoinfo

Linux: -v, -V, -1, -w

Solaris: -1, -v, -V, -w width

case

Linux: None

Solaris: None

cat

Linux: -A, -b, -e (same is -vE), -E, -n, -s, -t, -T, -u, -v

Solaris: -n, -b, -u, -s, -v, -e, -t (-e and -t are ignored without -v)

cd

Linux: -L, -P

Solaris: None

chgrp

Linux: -c, —dereference, -h (or —no-dereference), —no-preserve-root, -f (or —silent or —quiet), —reference=REFILE, -R (or —recursive), -v (or —verbose)

Solaris: -f, -h, -R

chmod

Linux: -c (or —changes), —no-preserve-root, —preserve-root, -f (or —silent or —quiet), -v (or —verbose), —reference=REFILE, -R (or —recursive), —help, —version

Solaris: -f, -R

chown

Linux: -c, -f, -h, -v, -R

Solaris: -f, -R

chroot

Linux: —help, —version

Solaris: None

cksum

Linux: None

Solaris: None

clear

Linux: None

Solaris: None

comm

Linux: -, -num

Solaris: -1, -2, -3

continue

Linux: None

Solaris: None

crontab

Linux: -e, -l, -r, -u userlex

Solaris: -e, -l, -r

csh

Linux: -b, -c, -d, -D, -e, -f, -F, -i, -l, -m, -n, -q, -s, -t, -v, -x, -V, -X

Solaris: -b, -c, -e, -f, -i, -n, -s, -t, -v, -V, -x, -X

csplit

Linux: -, -b, -f prefix, -k, -n number, -s, -z

Solaris: -f prefix, -k, -n number, -s

cut

Linux: list, -b list, -c list, -d delim, -f list, -n, -s

Solaris: list, -b list, -c list, -d delim, -f list, -n, -s

dc

Linux: None

Solaris: None

dd

Linux: -3, -a, -A, -e, -E, -x, -X, -m, -L, -i, -T, -v

Solaris: -e, -x, -3, -E, -X

df

Linux: -a, -b, -h, -H, -i, -k, -l, —no-sync, —sync, -P, -t, -T, -x, -v, —help, —version

Solaris: -a, -i, -t type

dirname

Linux: None

Solaris: None

dirs

Linux: -c, -l, -p, -v, +n, -n

Solaris: -l

dmesg

Linux: -c, -n level, -s bufsize

Solaris: None

domainname

Linux: -v, -F filename, —file filename, name

Solaris: None

echo

Linux: -e, -E, -n

Solaris: None

egrep

Linux: same as "grep -E"

Solaris: -b, -c, -e pattern_list, -f file, -h, -i, -l, -s, -n, -v, -x

eject

Linux: -h, -v, -d, -a, -c, -t, -x, -n, -r, -s, -f, -q, -p, -V

Solaris: -d, -f, -n, -p, -q

env

Linux: -i, -u, —help, —version

Solaris: -i | -

eqn

Linux: -dxy, -C, -N, -v, -r, -mn, -Tname, -Wdir, -fF, -sn, -pn

Solaris: -dxy, -fn, -pn, -sn

eval

Linux: None

Solaris: None

ex- command based editor

Linux: -S {file}, -A, -b, -C, -d, -d {device}, -D, -e, -E, -f, —nofork, -F, -g, -h, -H, -i {viminfo}, -L, -l, -m, -M, -N, -n, -nb, -o[N], -O[N], -R, -r, -r {file}, -s, -s {scriptin}, -T {terminal}, -u {vimrc}, -U {gvimrc}, -V[N], -v, -w {scriptout}, -W {scriptout}, -x, -X, -y, -Z, —, —echo-wid, —help, —literal, —noplugin, —remote, —remote-expr {expr}, —remote-send {keys}, —remote-silent, —remote-wait, —remote-wait-silent, —serverlist, —servername {name}, —socketid {id}, —version

Solaris: -s, -l, -L, -R, -r file, -t tag, -v, -V, -x, -wn, -C

exec

Linux: None

Solaris: None

exit

Linux: None

Solaris: None

expand

Linux: -tabs, -t tabs, -i

Linux (for unexpand) -a, -nums, -t nums

Solaris: -t tablist, -tabstop, -tab1, tab2.., tabn,

Solaris: (for unexpand) -a, -t tablist

export

Linux: -f, -n, -p

Solaris: None

expr

Linux: —help, —version

Solaris: None

factor

Linux: None

Solaris: None

false

Linux: None

Solaris: None

fdisk

Linux: -u, -b sectorsize, -C cyls, -H heads, -S sects, -l, -s partition, -v

Solaris: -o offset, -s size, -P fill_patt, -S geom_file, -w, -r, -d, -n, -l, -B, -t, -T, -g, -G, -R, -F fdisk_file, -v, -W, -h, -b masterboot, -A

id:act:bhead:bsect:bcyl:ehhead:esect:ecyl:rsect:numsect, -D
id:act:bhead:bsect:bcyl:ehhead:ecyl:rsect:numsect, rdevice

fgrep

Linux: same as "grep -F"

Solaris: -b, -c, -e pattern_list, -f pattern_file, -h, -i, -l, -n, -s, -v, -x

fold

Linux: -b, -s, -w width | -width

Solaris: -b, -s, -w width | -width

fmt

Linux: -c, -p prefix, -s, -t, -u, -w width

Solaris: -c, -s

for

Linux: None

Solaris: None

function

Linux: None

Solaris: None

gencat

Linux: None

Solaris: None

getent

Linux: None

Solaris: None

getopt

Linux: -a, -h, -l, -n, -o, -q, -Q, -s, -u, -T, -V

Solaris: None

getopts

Linux: None

Solaris: None

gettext

Linux: -d, -e, -E, -h, -n, -V, -s

Solaris: -d textdomain, —domain=textdomain, -e, -n, -s

grep

Linux: -A num, -a, -B num, -C num, -b, —binary-files=TYPE, —colour[=WHEN], -color=[WHEN], -c, -D ACTION, -d ACTION, -E, -e pattern, -F, -P, -f file, -G, -H, -h, -l, -i, -L, -l, -m NUM, -mmap, -n, -o, —label=LABEL, —line-buffered, -q, -R, -r, -s, -U, -u, -V, -v, -w, -x, -y, -Z

Solaris: -b, -c, -h, -i, -l, -n, -s, -v, -w, -e pattern_list, -E, -f pattern_file, -F, -q, -x

groups

Linux: None

Solaris: None

gunzip

Linux: -a, -c, -f, -h, -l, -L, -n, -N, -r, -t, -v, -V, -S suffix

Solaris: -a, -c, -f, -h, -l, -L, -n, -N, -r, -t, -v, -V, -S suffix

gzexe

Linux: -d

Solaris: -d

gzip

Linux: -a, -c, -d, -f, -h, -l, -L, -n, -N, -r, -t, -v, -V, -1, -9, -S suffix

Solaris: -a, -c, -d, -f, -h, -l, -L, -n, -N, -r, -t, -v, -V, -1, -9, -S suffix

head

Linux: -c num, -n num, -q, -v, -num

Solaris: -n number, -number

help

Linux: -s, pattern

Solaris: None

hostid

Linux: —help, —version

Solaris: None

hostname

Linux: -a, -d, -F, -f, -h, -i, -s, -V, -v, -y

Solaris: None

iconv

Linux: -c, -f fromcode, -l, -o file, -s, -t tocode, -V

Solaris: -f fromcode, -t tocode

ipcrm

Linux: -m identifier, -q identifier, -s identifier, -M key, -Q key, -S key

Solaris: -m shmid, -q msqid, -s semid, -M shmkey, -Q msgkey, -S semkey

jobs

Linux: -l, -p, -n, -r, -s, -x

Solaris: -p, -l, -x command

kdestroy

Linux: -5, -4, -q, -c cache_name

Solaris: -q, -c cache_name

kill

Linux: pid, -s signal, -l, -a, -p

Solaris: -l, -s signal_name, -signal_name, -signal_number

killall

Linux: -e, -g, -i, -l, -q, -v, -V, -w, -Z

Solaris: None

kpasswd

Linux: principal

Solaris: principal

ksh

Linux: None

Solaris: None

ldd

Linux: -d, -r, -v

Solaris: -d, -r

lesskey

Linux: -o output, —, -V

Solaris: -o output, —, -V

let

Linux: None

Solaris: None

link

Linux: None

Solaris: None

ln

Linux: —backup [=CONTROL], -b, -d (or -F or —directory), -f, -n, -i, -s, -S, —target-directory=DIRECTORY, -v

Solaris: -f, -s, -n

locale

Linux: -a, -c, -k, -m

Solaris: -a, -c, -k, -m

logger

Linux: -d, -f file, -i, -p pri, -s, -t tag, -u socket

Solaris: -f file, -i, -p priority, -t tag

logname

Linux: None

Solaris: None

logout

Linux: None

Solaris: None

look

Linux: -d, -f, -a, -t termchar

Solaris: -d, -f, -t termchar

lpq

Linux: -a, -l, -s, -A, -L, -P printer, -V

Solaris: -P destination, -l, +[interval]

lprm

Solaris: -P destination

Linux: -a, -A, -P destination, -U user, -V

mail

Linux: -v, -i, -l, -n, -N, -s subject, -c, -b bcc-addr, -f name, -u user

Solaris: None

mesg

Linux: -n, -y

Solaris: -nln, -yly

mkdir

Linux: -m mode, -p

Solaris: -m mode, -p

mktemp

Linux: -V, -d, -p directory, -q, -t, -u

Solaris: None

mt

Linux: -f, tapename

Solaris: -f tapename

mv

Linux: —backup[=CONTROL], -b, -f, -i, —reply={yes,no,query},
—strip-trailing-slashes, -S, —target-directory=DIRECTORY, -u, -v

Solaris: -f, -i

neqn

Linux: None

Solaris: None

nice

Linux: -n (or —adjustment=ADJUST)

Solaris: -increment or -n increment

paste

Linux: -, -d list, -s

Solaris: -d list, -s

patch

Linux: -b, -c, -d dir, -e, -f, -g num, -i file, -l, -n, -o file, -p num, -r file, -s, -t, -u, -v, -z suffix, -B prefix, -D string, -E, -F num, -N, -R, -T, -iV method, -Y prefix, -Z

Solaris: -b, -c, -d dir, -D define, -e, -i patchfile, -l, -n, -N, -o outfile, -p num, -R, -r rejectfile, -u

pathchk

Linux: -p

Solaris: -p

popd

Linux: -n, +n

Solaris: +n

pppd

Linux: <local_IP_address>:<remote_IP_address>, ipv6, active-filter filter-expression, allow-ip address(es), all-number number, bsdcomp nr/nt, cdtrcts, chap-interval n, chap-max-challenge n, chap-restart n, connect-delay n, debug, default-asyncmap, default-mru, deflate nr/nt, demand, domain d, dryrun, dump, endpoint <epdisc>, eap-interval n, eap-max-rreq n, eap-max-sreq n, eap-restart n, eap-timeout n, hide-password, holdoff n, idle n, ipcp-accept-local, ipcp-accept-remote, ipcp-max-configure n, ipcp-max-failure n, ipcp-max-terminate n, ipcp-restart n, ipparam string, ipv6cp-max-configure n, ipv6cp-max-failure n, ipv6cp-max-terminate n, ipv6cp-restart n, ipx, ipx-network n, ipx-node n:m, ipx-router-name <string>, ipx-routing n, ipxcp-accept-local, ipxcp-accept-network, ipxcp-accept-remote, ipxcp-max-configure n, ipxcp-max-failure n, ipxcp-max-terminate n, kdebug n, ktune, lcp-echo-failure n, lcp-echo-interval n, lcp-max-configure n, lcp-max-failure n, lcp-max-terminate n, lcp-restart n, linkname name, local, logfd n, logfile filename, login, maxconnect n, maxfail n, modem, mp, mppe-stateful, mpshortseq, mrru n, ms-dns <addr>, ms-wins <addr>, multilink, name name, noaccomp, noauth, nobsdcomp, noccip, nocrtcts, noddtrcts, nodefaultroute, nodeflate, nodetach, noendpoint, noip, noipv6, noipdefault, noipx, noktune, nolog, nomagic, nomp, nomppe, nomppe-40, nomppe-128, nomppe-stateful, nompshortseq, nomultilink, nopcomp, nopersist, nopredictor1, noproxyarp, notty, novj, novjccomp, papcrypt, pap-max-authreq n, pap-restart n, pap-timeout n, pass-filter filter-expression, password password-string, persist, plugin filename, predictor1, privgroup group-name, proxyarp, pty script, receive-all, record filename, remotename name, remotenumber number, refuse-chap, refuse-mschap, refuse-mschap-v2, refuse-eap, refuse-pap, require-chap, require-mppe, require-mppe-40, require-mppe-128, require-mschap, require-mschap-v2, require-eap, require-pap, show-password, silent, srp-interval n, srp-pn-secret string, srp-use-pseudonym, sync, unit num, updetach, usehostname, usepeerdns, user name, vj-max-slots n, welcome script, xonxoff

Solaris: tty_name

pppdump

Linux: -h, -p, -d, -r, -m mru

Solaris: -h, -p, -d, -r, -m mru

pppstats

Linux: -a, -v, -r, -Z, -c <count>, -w <secs>, interface

Solaris: -a, -v, -r, -Z, -c <count>, -w <secs>, interface

printenv

Linux: None

Solaris: None

printf

Linux: —help, —version

Solaris: None

pushd

Linux: +n, -n

Solaris: None

pwd

Linux: None

Solaris: None

quota

Linux: -F format-name, -g, -u, -v, -s, -i, -l, -q

Solaris: -v

ranlib

Linux: -v

Solaris: None

readonly

Linux: -a, -p, -f

Solaris: None

return

Linux: n

Solaris: n

rsh

Linux: -l username, -n, -d, -k realm, -f, -F, -x, -PN, -PO

Solaris: -n, -l username

rup

Linux: -d, -s, -h, -l, -t

Solaris: -h, -l, -t

scp

Linux: -1, -2, -4, -6, -B, -C, -p, -q, -r, -v, -c cipher, -F ssh_config, -i identity_file, -l limit, -o ssh_option, -P port, -S program, user@[host1:]file1 user!@[host2:]file2

Solaris: -p, -q, -r, -v, -C, -4, -6, -S program, -c cipher, -i identity_file, -o option, user1@[host1:]file1 user2@[host2:]file2

script

Linux: -a, -f, -q, -t

Solaris: -a

sdiff

Linux: -a, -b, -B, -d, -H, -i, -l regexp, -l, -o file, -s, -t, -v, -w cols, -W

Solaris: -l, -s, -o output, -w n

sed

Linux: -n, -e script, -f script-file, -i[SUFFIX], -l N, —posix, -r, -s, -u

Solaris: -e script, -f script-file, -n

select

Linux: None

Solaris: None

sftp

Linux: -1, -C, -v, -B buffer_size, -b batchfile, -F ssh_config, -o ssh_option, -P sftp_server_path, -R num_requests, -S program, -s subsystem | sftp_server

Solaris: -v, -C, -o ssh_option

shift

Linux: None

Solaris: None

sleep

Linux: None

Solaris: None

split

Linux: -n, -a n, -b n[blklm], -C bytes, -l n

Solaris: -linecount | -l linecount, -a suffixlength, -b n, -b nk, -b nm

ssh-add

Linux: -l, -L, -d, -D, -x, -X, -c, -t life, -s reader, -e reader

Solaris: -l, -L, -d, -D

ssh-agent

Linux: -a bind_address, -c, -s, -t life, -d, command [args], -k

Solaris: -c, -s, -k, command [args]

strings

Linux: -a | -, -c encoding, -f, -n min-len, -o, -t base, -v

Solaris: -a | -, -n number | -number, -o, -t format

stty

Linux: -a, -g, -F
Solaris: -a, -g

su
Linux: -l (or -), -c, -f, -m, -p, -s
Solaris: -

sum
Linux: -r, -s
Solaris: -r

suspend
Linux: -f
Solaris: None

sync
Linux: None
Solaris: None

tee
— Linux: -a, -i
— Solaris: -a, -i

tic
Linux: -1, -C, -G, -I, -L, -N, -T, -V, -a, -c, -f, -g, -r, -s, -t, -x, -e names, -o dir, -R subset, -v[n], -w[n], file
Solaris: -v[n], -c

time
Linux: -a, -f format, -o file, -p, -v
Solaris: -p

times
Linux: None
Solaris: None

touch
Linux: -a, -c, -d time, -m, -r file, -t time
Solaris: -a, -c, -m, -r ref_file, -t time

tput
Linux: -T type, -S, -V
Solaris: -T type, -S

tr
Linux: -c, -d, -s, -t, —help, —version
Solaris: -c, -s, -d

trap
Linux: -l, -p

Solaris: None

true

Linux: None

Solaris: None

tsort

Linux: None

Solaris: None

typeset

Linux: -a, -f, -F, -i, -r, -t, -x, -p

Solaris: None

ul

Linux: -t terminal, -i

Solaris: -t terminal, -i

unexpand

Linux: -a, -t tablist

Solaris: -a, -t tablist

units

Linux: -c, -o format, -f filename, -h, -q, -s, -v, -V

Solaris: None

unlink

Linux: None

Solaris: None

unset

Linux: -f, -v

Solaris: -f

until

Linux: None

Solaris: None

uptime

Linux: -V

Solaris: None

users

Linux: None

Solaris: None

whereis

Linux: -b, -f, -m, -s, -u, -B, -M, -S

Solaris: -b, -B, -f, -m, -M, -s, -S, -u

which

Linux: -a, -i, -v

Solaris: None

while

Linux: None

Solaris: None

whoami

Linux: None

Solaris: None

whois

Linux: -c FILE, -h HOST, -p PORT, -f, -v, -n, -s, -a, -i, -d, -r, -rwhois-display=DISPLAY, --rwhois-limit=LIMIT

Solaris: -h HOST

write

Linux: none

Solaris: None

whatis

Linux: None (equivalent to man -f)

Solaris: None

yes

Linux: --help, --version

Solaris: None

ypcat

Linux: -k, -t, -d domain, -h hostname, -x

Solaris: -k, -x, -d domain

ypinit

Linux: -m, -s master_name

Solaris: -c, -m, -s master_server

ypmatch

Linux: -k, -t, -d domain, -x

Solaris: -k, -t, -d domain, -x

yppasswd

Linux: -f, -l, -p

Solaris: None

ypwhich

Linux: -d domain, -Vn, -t, -m, -x

Solaris: -d domain, -t, -m, -Vn, -x

zipinfo

Linux: -1, -2, -s, -m, -l, -v, -h, -M, -t, -T, -z

Solaris: -1, -2, -s, -m, -l, -v, -h, -M, -t, -T, -z

Notices

This information was developed for products and services offered in the U.S.A. IBM® may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk, NY 10504-1785
U.S.A.

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law:

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

The licensed program described in this information and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement, or any equivalent agreement between us.

All statements regarding IBM's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

This information is for planning purposes only. The information herein is subject to change before the products described become available.

Trademarks

The following terms are trademarks of International Business Machines Corporation in the United States, other countries, or both:

- IBM

Intel[®], Intel logo, Intel Inside, Intel Inside logo, Intel Centrino, Intel Centrino logo, Celeron, Intel Xeon, Intel SpeedStep, Itanium, and Pentium[®] are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Java[™] or all Java-based trademarks and logos, and Solaris are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

Linux is a trademark of Linus Torvalds in the United States, other countries, or both.

Other company, product, and service names may be trademarks or service marks of others.

