NAME

Intro, intro – introduction to maintenance commands and application programs

AVAILABILITY

This section indicates which package contains the commands being described on this page. To be able to use the command, the indicated package must have been installed with the operating system. For information on how to add a package see **pkgadd**(1).

DESCRIPTION

This section describes, in alphabetical order, commands that are used chiefly for system maintenance and administration purposes.

Because of command restructuring for the Virtual File System architecture, there are several instances of multiple manual pages that begin with the same name. For example, the **mount**, pages – **mount**(1M), **mount_cachefs**(1M), **mount_hsfs**(1M), **mount_nfs**(1M), **mount_tmpfs**(1M), and **mount_ufs**(1M). In each such case the first of the multiple pages describes the syntax and options of the generic command, that is, those options applicable to all FSTypes (file system types). The succeeding pages describe the functionality of the FSType-specific modules of the command. These pages list the command followed by an underscore (_) and the FSType to which they pertain. Note that the administrator should not attempt to call these modules directly. The generic command provides a common interface to all of them. Thus the FSType-specific manual pages should not be viewed as describing distinct commands, but rather as detailing those aspects of a command that are specific to a particular FSType.

COMMAND SYNTAX

Unless otherwise noted, commands described in this section accept options and other arguments according to the following syntax:

name [*option*(*s*)] [*cmdarg*(*s*)]

where:

name	The name of an executable file
option	– *noargletter*(*s*) or, – *argletter*<>*optarg* where <> is optional white space
noargletter	A single letter representing an option without an argument
argletter	A single letter representing an option requiring an argument
optarg	Argument (character string) satisfying preceding *argletter*
cmdarg	Pathname (or other command argument) *not* beginning with – or, – by itself indicating the standard input

SEE ALSO

getopt(1), **pkgadd**(1M), **getopt**(3C)

DIAGNOSTICS

Upon termination, each command returns 0 for normal termination and non-zero to indicate troubles such as erroneous parameters, bad or inaccessible data, or other inability to cope with the task at hand. It is called variously ‘‘exit code,’’ ‘‘exit status,’’ or ‘‘return code,’’ and is described only where special conventions are involved.

NOTES Unfortunately, not all commands adhere to the standard syntax.

Name	Description
accept(1M)	accept or reject print requests
acct(1M)	overview of accounting and miscellaneous accounting commands
acctcms(1M)	command summary from process accounting records
acctcon(1M)	connect-time accounting
acctcon1(1M)	See **acctcon**(1M)
acctcon2(1M)	See **acctcon**(1M)
acctdisk(1M)	See **acct**(1M)
acctdusg(1M)	See **acct**(1M)
acctmerg(1M)	merge or add total accounting files
accton(1M)	See **acct**(1M)
acctprc(1M)	process accounting
acctprc1(1M)	See **acctprc**(1M)
acctprc2(1M)	See **acctprc**(1M)
acctsh(1M)	shell procedures for accounting
acctwtmp(1M)	See **acct**(1M)
adbgen(1M)	generate adb script
addbadsec(1M)	map out defective disk blocks
add_drv(1M)	add a new device driver to the system
add_install_client(1M)	See **install_scripts**(1M)
admintool(1M)	system administration with a graphical user interface
aliasadm(1M)	manipulate the NIS+ aliases map
allocate(1M)	device allocation
arp(1M)	address resolution display and control
aset(1M)	monitors or restricts accesses to system files and directories
aset.restore(1M)	restores system files to their content before ASET is installed
aspppd(1M)	Asynchronous PPP Link Manager
asppls(1M)	See **aspppd**(1M)
audit(1M)	control the behavior of the audit daemon
auditconfig(1M)	configure auditing

auditd(1M)	audit daemon
auditreduce(1M)	merge and select audit records from audit trail files
audit_startup(1M)	audit subsystem initialization script
auditstat(1M)	display kernel audit statistics
audit_warn(1M)	audit daemon warning script
automount(1M)	install automatic mount points
automountd(1M)	autofs mount/unmount daemon
autopush(1M)	configures lists of automatically pushed STREAMS modules
bdconfig(1M)	configures the bd (buttons and dials) stream
boot(1M)	start the system kernel or a standalone program
bootparamd(1M)	See **rpc.bootparamd**(1M)
bsmconv(1M)	enable/disable the Basic Security Module (BSM) on Solaris
bsmunconv(1M)	See **bsmconv**(1M)
cachefslog(1M)	Cache File System logging
cachefsstat(1M)	Cache File System statistics
cachefswssize(1M)	Determine working set size for cachefs
captoinfo(1M)	convert a termcap description into a terminfo description
catman(1M)	create the cat files for the manual
cfsadmin(1M)	administer disk space used for caching file systems with the Cache File-System (CacheFS)
cg14config(1M)	configure the cgfourteen device
chargefee(1M)	See **acctsh**(1M)
check(1M)	See **install_scripts**(1M)
chown(1M)	change owner
chroot(1M)	change root directory for a command
chrtbl(1M)	generate character classification and conversion tables
ckpacct(1M)	See **acctsh**(1M)
closewtmp(1M)	See **acct**(1M)
clri(1M)	clear inode
colltbl(1M)	create string collation routines
comsat(1M)	See **in.comsat**(1M)
convert4x(1M)	converts SunOS 4.x clients to work from Solaris 2.x servers
crash(1M)	examine system images

cron(1M)	clock daemon
dcopy(1M)	See **clri**(1M)
dd(1M)	convert and copy a file
deallocate(1M)	device deallocation
devattr(1M)	lists device attributes
devconfig(1M)	configure device attributes
devfree(1M)	release devices from exclusive use
devinfo(1M)	print device specific information
devlinks(1M)	adds /dev entries for miscellaneous devices and pseudo-devices
devnm(1M)	device name
devreserv(1M)	reserve devices for exclusive use
df(1M)	report number of free disk blocks and files
dfmounts(1M)	display mounted resource information
dfmounts_nfs(1M)	display mounted NFS resource information
dfshares(1M)	list available resources from remote or local systems
dfshares_nfs(1M)	list available NFS resources from remote systems
df_ufs(1M)	report free disk space on ufs file systems
discover4x(1M)	analyze the SunOS 4.x client support after converting to Solaris 2.x
disks(1M)	adds /dev entries for hard disks attached to the system
diskscan(1M)	perform surface analysis
dispadmin(1M)	process scheduler administration
dmesg(1M)	collect system diagnostic messages to form error log
dminfo(1M)	report information about a device entry in a device maps file
dodisk(1M)	See **acctsh**(1M)
domainname(1M)	set or display name of the current domain
drvconfig(1M)	configure the /devices directory
du(1M)	summarize disk usage
edquota(1M)	edit user quotas for ufs file system
eeprom(1M)	EEPROM display and load utility
fdetach(1M)	detach a name from a STREAMS-based file descriptor
fdisk(1M)	create or modify fixed disk partition table
ff(1M)	list file names and statistics for a file system
ff_ufs(1M)	list file names and statistics for a ufs file system

fingerd(1M)	See **in.fingerd**(1M)
firmware(1M)	bootable firmware programs and firmware commands
fmthard(1M)	populate VTOC on hard disks
fncheck(1M)	check for consistency between FNS data and NIS+ data
fncreate(1M)	Create an FNS context
fncreate_fs(1M)	create FNS file system contexts
fncreate_printer(1M)	create new printers in the FNS namespace
fndestroy(1M)	Destroy an FNS context
format(1M)	disk partitioning and maintenance utility
fsck(1M)	check and repair file systems
fsck_cachefs(1M)	check integrity of data cached with CacheFS
fsck_s5fs(1M)	file system consistency check and interactive repair
fsck_ufs(1M)	file system consistency check and interactive repair
fsdb(1M)	file system debugger
fsdb_ufs(1M)	ufs file system debugger
fsirand(1M)	install random inode generation numbers
fstyp(1M)	determine file system type
ftpd(1M)	See **in.ftpd**(1M)
fusage(1M)	disk access profiler
fuser(1M)	identify processes using a file or file structure
fwtmp(1M)	manipulate connect accounting records
gencc(1M)	create a front-end to the cc command
getdev(1M)	lists devices based on criteria
getdgrp(1M)	lists device groups which contain devices that match criteria
getent(1M)	get entries from administrative database
gettable(1M)	get DoD Internet format host table from a host
getty(1M)	set terminal type, modes, speed, and line discipline
getvol(1M)	verifies device accessibility
groupadd(1M)	add (create) a new group definition on the system
groupdel(1M)	delete a group definition from the system
groupmod(1M)	modify a group definition on the system
grpck(1M)	See **pwck**(1M)
halt(1M)	stop the processor
hostconfig(1M)	configure a system's host parameters

htable(1M)	convert DoD Internet format host table
id(1M)	return user identity
ifconfig(1M)	configure network interface parameters
in.comsat(1M)	biff server
inetd(1M)	Internet services daemon
in.fingerd(1M)	remote user information server
infocmp(1M)	compare or print out terminfo descriptions
in.ftpd(1M)	file transfer protocol server
init(1M)	process control initialization
in.named(1M)	Internet domain name server
in.rarpd(1M)	DARPA Reverse Address Resolution Protocol server
in.rdisc(1M)	network router discovery daemon
in.rexecd(1M)	remote execution server
in.rlogind(1M)	remote login server
in.routed(1M)	network routing daemon
in.rshd(1M)	remote shell server
in.rwhod(1M)	system status server
install(1M)	install commands
install4x(1M)	install SunOS 4.x diskless/dataless client support on Solaris 2.x servers
installboot(1M)	install bootblocks in a disk partition
installf(1M)	add a file to the software installation database
install_scripts(1M)	scripts used to install the Solaris software
in.talkd(1M)	server for talk program
in.telnetd(1M)	DARPA TELNET protocol server
in.tftpd(1M)	Internet Trivial File Transfer Protocol server
in.tnamed(1M)	DARPA trivial name server
in.uucpd(1M)	UUCP server
iostat(1M)	report I/O statistics
kadb(1M)	a kernel debugger
kdmconfig(1M)	configure or unconfigure keyboard, display, and mouse options for OpenWindows and internationalization
kerbd(1M)	generates and validates Kerberos tickets for kernel RPC
kernel(1M)	UNIX system executable file containing basic operating system services
keyserv(1M)	server for storing private encryption keys

killall(1M)	kill all active processes
labelit(1M)	list or provide labels for file systems
labelit_hsfs(1M)	provide and print labels for hsfs file systems
labelit_ufs(1M)	provide and print labels for ufs file systems
lastlogin(1M)	See **acctsh**(1M)
leoconfig(1M)	initialize the Leo (ZX and TZX) Graphics Accelerator and download microcode
link(1M)	link and unlink files and directories
list_devices(1M)	list allocatable devices
listdgrp(1M)	lists members of a device group
listen(1M)	network listener daemon
lockd(1M)	network lock daemon
lockfs(1M)	change or report file system locks
logins(1M)	list user and system login information
lpadmin(1M)	configure the LP print service
lpfilter(1M)	administer filters used with the LP print service
lpforms(1M)	administer forms used with the LP print service
lpmove(1M)	See **lpsched**(1M)
lpsched(1M)	start/stop the LP print service and move requests
lpshut(1M)	See **lpsched**(1M)
lpsystem(1M)	register remote systems with the print service
lpusers(1M)	set printing queue priorities
mail.local(1M)	store mail in a mailbox
makedbm(1M)	make a dbm file, or get a text file from a dbm file
mk(1M)	remake the binary system and commands from source code
mkfifo(1M)	make FIFO special file
mkfile(1M)	create a file
mkfs(1M)	construct a file system
mkfs_ufs(1M)	construct a ufs file system
mknod(1M)	make a special file
modinfo(1M)	display information about loaded kernel modules
modload(1M)	load a kernel module
modunload(1M)	unload a module
monacct(1M)	See **acctsh**(1M)
monitor(1M)	SPARC system PROM monitor

montbl(1M)	create monetary database
mount(1M)	mount or unmount file systems and remote resources
mountall(1M)	mount, unmount multiple file systems
mount_cachefs(1M)	mount CacheFS file systems
mountd(1M)	NFS mount request server
mount_hsfs(1M)	mount hsfs file systems
mount_nfs(1M)	mount remote NFS resources
mount_pcfs(1M)	mount pcfs file systems
mount_s5fs(1M)	mount s5 file systems
mount_tmpfs(1M)	mount tmpfs file systems
mount_ufs(1M)	mount ufs file systems
mpstat(1M)	report per-processor statistics
mvdir(1M)	move a directory
named(1M)	See **in.named**(1M)
named-xfer(1M)	See **in.named**(1M)
ncheck(1M)	generate a list of path names versus i-numbers
ncheck_ufs(1M)	generate pathnames versus i-numbers for ufs file systems
ndd(1M)	get and set driver configuration parameters
netstat(1M)	show network status
newfs(1M)	construct a new UFS file system
newkey(1M)	create a new Diffie-Hellman key pair in the publickey database
nfsd(1M)	NFS daemon
nfsstat(1M)	NFS statistics
nisaddcred(1M)	create NIS+ credentials
nisaddent(1M)	create NIS+ tables from corresponding /etc files or NIS maps
nis_cachemgr(1M)	NIS+ utility to cache location information about NIS+ servers
nisclient(1M)	initialize NIS+ credentials for NIS+ principals
nisd(1M)	See **rpc.nisd**(1M)
nisd_resolv(1M)	See **rpc.nisd_resolv**(1M)
nisinit(1M)	NIS+ client and server initialization utility
nislog(1M)	display the contents of the NIS+ transaction log
nispasswdd(1M)	See **rpc.nispasswdd**(1M)
nisping(1M)	send ping to NIS+ servers

nispopulate(1M)	populate the NIS+ tables in a NIS+ domain.
nisserver(1M)	set up NIS+ servers.
nissetup(1M)	initialize a NIS+ domain
nisshowcache(1M)	NIS+ utility to print out the contents of the shared cache file
nisstat(1M)	report NIS+ server statistics
nisupdkeys(1M)	update the public keys in a NIS+ directory object
nlsadmin(1M)	network listener service administration
nscd(1M)	name service cache daemon
nslookup(1M)	query name servers interactively
nstest(1M)	DNS test shell
nulladm(1M)	See **acctsh**(1M)
obpsym(1M)	Kernel Symbolic Debugging for OpenBoot Firmware
passmgmt(1M)	password files management
pbind(1M)	control and query bindings of processes to processors
pcmciad(1M)	PCMCIA user daemon
pfinstall(1M)	tests installation profiles
ping(1M)	send ICMP ECHO_REQUEST packets to network hosts
pkgadd(1M)	transfer software package to the system
pkgask(1M)	stores answers to a request script
pkgchk(1M)	check accuracy of installation
pkgrm(1M)	removes a package from the system
pmadm(1M)	port monitor administration
ports(1M)	create /dev entries and inittab entries for serial lines
poweroff(1M)	See **halt**(1M)
praudit(1M)	print contents of an audit trail file
prctmp(1M)	See **acctsh**(1M)
prdaily(1M)	See **acctsh**(1M)
prtacct(1M)	See **acctsh**(1M)
prtconf(1M)	print system configuration
prtdiag(1M)	print system diagnostic information
prtvtoc(1M)	report information about a disk geometry and partitioning
psradm(1M)	set processors online or offline
psrinfo(1M)	print processor information
putdev(1M)	edits device table

putdgrp(1M)	edits device group table
pwck(1M)	password/group file checkers
pwconv(1M)	installs and updates /etc/shadow with information from /etc/passwd
quot(1M)	summarize file system ownership
quota(1M)	display a user's ufs file system disk quota and usage
quotacheck(1M)	ufs file system quota consistency checker
quotaoff(1M)	See **quotaon**(1M)
quotaon(1M)	turn ufs file system quotas on and off
rarpd(1M)	See **in.rarpd**(1M)
rdate(1M)	set system date from a remote host
rdisc(1M)	See **in.rdisc**(1M)
reboot(1M)	restart the operating system
reject(1M)	See **accept**(1M)
rem_drv(1M)	remove a device driver from the system
removef(1M)	remove a file from software database
repquota(1M)	summarize quotas for a ufs file system
re-preinstall(1M)	installs the JumpStart software on a system
restricted_shell(1M)	See **rsh**(1M)
rexd(1M)	See **rpc.rexd**(1M)
rexecd(1M)	See **in.rexecd**(1M)
rlogind(1M)	See **in.rlogind**(1M)
rm_install_client(1M)	See **install_scripts**(1M)
rmmount(1M)	removable media mounter that automatically mounts a file system on a CD-ROM and floppy
rmt(1M)	remote magtape protocol module
route(1M)	manually manipulate the routing tables
routed(1M)	See **in.routed**(1M)
rpcbind(1M)	universal addresses to RPC program number mapper
rpc.bootparamd(1M)	boot parameter server
rpcinfo(1M)	report RPC information
rpc.nisd(1M)	NIS+ service daemon
rpc.nisd_resolv(1M)	NIS+ service daemon
rpc.nispasswdd(1M)	NIS+ password update daemon
rpc.rexd(1M)	RPC-based remote execution server
rpc.rstatd(1M)	kernel statistics server

rpc.rusersd(1M)	network username server
rpc.rwalld(1M)	network rwall server
rpc.sprayd(1M)	spray server
rpld(1M)	x86 Network Booting RPL (Remote Program Load) Server
rquotad(1M)	remote quota server
rsh(1M)	restricted shell command interpreter
rshd(1M)	See **in.rshd**(1M)
rstatd(1M)	See **rpc.rstatd**(1M)
rtc(1M)	provide all real-time clock and GMT-lag management
runacct(1M)	run daily accounting
runacct(1M)	See **acctsh**(1M)
rusersd(1M)	See **rpc.rusersd**(1M)
rwall(1M)	write to all users over a network
rwalld(1M)	See **rpc.rwalld**(1M)
rwhod(1M)	See **in.rwhod**(1M)
sa1(1M)	See **sar**(1M)
sa2(1M)	See **sar**(1M)
sac(1M)	service access controller
sacadm(1M)	service access controller administration
sadc(1M)	See **sar**(1M)
sadmind(1M)	distributed system administration daemon
saf(1M)	Service Access Facility
sar(1M)	system activity report package
savecore(1M)	save a core dump of the operating system
sendmail(1M)	send mail over the internet
server_upgrade(1M)	upgrade clients of a heterogeneous OS server
setmnt(1M)	establish mount table
setuname(1M)	changes machine information
setup_install_server(1M)	See **install_scripts**(1M)
share(1M)	make local resource available for mounting by remote systems
shareall(1M)	share, unshare multiple resources
share_nfs(1M)	make local NFS filesystems available for mounting by remote systems
showmount(1M)	show all remote mounts

showrev(1M)	show machine and software revision information
shutacct(1M)	See **acctsh**(1M)
shutdown(1M)	shut down system, change system state
snoop(1M)	capture and inspect network packets
spray(1M)	spray packets
sprayd(1M)	See **rpc.sprayd**(1M)
ssaadm(1M)	Administration program for the SPARCstorage Array
ssacli(1M)	SPARCstorage Array Command Line Interface
startup(1M)	See **acctsh**(1M)
statd(1M)	network status monitor
strace(1M)	print STREAMS trace messages
strclean(1M)	STREAMS error logger cleanup program
strerr(1M)	STREAMS error logger daemon
sttydefs(1M)	maintain line settings and hunt sequences for TTY ports
su(1M)	become super-user or another user
sulogin(1M)	access single-user mode
suninstall(1M)	install the Solaris environment
swap(1M)	swap administrative interface
swmtool(1M)	install, upgrade, and remove software packages
sxconfig(1M)	configure contiguous memory for the SX video subsystem
sync(1M)	update the super block
syncinit(1M)	set serial line interface operating parameters.
syncloop(1M)	synchronous serial loopback test program
syncstat(1M)	report driver statistics from a synchronous serial link.
sysdef(1M)	output system definition
sysidconfig(1M)	execute system configuration applications, or define set of system configuration applications
sysidnet(1M)	See **sysidtool**(1M)
sysidnis(1M)	See **sysidtool**(1M)
sysidroot(1M)	See **sysidtool**(1M)
sysidsys(1M)	See **sysidtool**(1M)
sysidtool(1M)	system configuration
syslogd(1M)	log system messages
sys-unconfig(1M)	undo a system's configuration
talkd(1M)	See **in.talkd**(1M)

tapes(1M)	adds /dev entries for tape drives attached to the system
taskstat(1M)	prints ASET tasks status
tcxconfig(1M)	configure the default linearity of the 24-bit TrueColor Visual for OpenWindows on a system with an S24 frame buffer (TCX)
telinit(1M)	See **init**(1M)
telnetd(1M)	See **in.telnetd**(1M)
tftpd(1M)	See **in.tftpd**(1M)
tic(1M)	terminfo compiler
tnamed(1M)	See **in.tnamed**(1M)
ttyadm(1M)	format and output port monitor-specific information
ttyhstmgr(1M)	administer hosts on a network
ttymon(1M)	port monitor for terminal ports
tunefs(1M)	tune up an existing file system
turnacct(1M)	See **acctsh**(1M)
uadmin(1M)	administrative control
ufsdump(1M)	incremental file system dump
ufsrestore(1M)	incremental file system restore
umount(1M)	See **mount**(1M)
umountall(1M)	See **mountall**(1M)
unlink(1M)	See **link**(1M)
unshare(1M)	make local resource unavailable for mounting by remote systems
unshareall(1M)	See **shareall**(1M)
unshare_nfs(1M)	make local NFS filesystems unavailable for mounting by remote systems
useradd(1M)	administer a new user login on the system
userdel(1M)	delete a user's login from the system
usermod(1M)	modify a user's login information on the system
utmp2wtmp(1M)	See **acct**(1M)
uucheck(1M)	check the uucp directories and permissions file
uucico(1M)	file transport program for the uucp system
uucleanup(1M)	uucp spool directory clean-up
uucpd(1M)	See **in.uucpd**(1M)
uusched(1M)	the scheduler for the uucp file transport program
uutry(1M)	See **Uutry**(1M)

Uutry(1M)	try to contact remote system with debugging on
uuxqt(1M)	execute remote command requests
vmstat(1M)	report virtual memory statistics
volcopy(1M)	make an image copy of file system
volcopy_ufs(1M)	make an image copy of a ufs file system
vold(1M)	Volume Management daemon to manage CD-ROM and floppy devices
wall(1M)	write to all users
wchrtbl(1M)	See **chrtbl**(1M)
whodo(1M)	who is doing what
wtmpfix(1M)	See **fwtmp**(1M)
ypbind(1M)	NIS binder process
ypinit(1M)	set up NIS client
ypmake(1M)	rebuild NIS database
yppoll(1M)	return current version of a NIS map at a NIS server host
ypset(1M)	point ypbind at a particular server
ypxfr(1M)	transfer NIS map from a NIS server to host
zdump(1M)	time zone dumper
zic(1M)	time zone compiler