

Data ONTAP™ 6.4

Quick Reference Guide

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Preface

About this guide

This guide lists commands and options available with the Data ONTAP™ 6.4 software. It serves as a reference for the syntax of these commands and options.

Audience

This guide is for system administrators who are familiar with the Data ONTAP software and its commands and options.

Typographic conventions

The following table describes typographic conventions used in this guide.

Convention	Type of information
<i>Italic type</i>	Book titles. Words or characters that require special attention.
Monospaced <i>italic</i>	Placeholders for information you must supply. For example, if the guide says to enter the <code>arp -d hostname</code> command, you enter the characters “arp -d” followed by the actual name of the host.
Monospaced font	Command and option names.
	Separator for lists of words or characters in commands or option values. For example, in the command <code>vscan extensions [reset set ext add ext remove ext]</code> , you might choose one of the operations listed in brackets.

Convention	Type of information
[]	Words or characters that are optional. For example, in the command <code>cifs stat [interval]</code> , “interval” is an optional parameter.
{ }	Word or character that <i>must</i> be chosen from a list. For example, in the command <code>snapmirror {on off status}</code> , you must choose one of “on,” “off,” or “status.”
...	Words or characters that can be repeated. For example, in the command <code>restore [files ...]</code> , you can add more than one file name.

Data ONTAP 6.4 Commands

The following table lists Data ONTAP 6.4 commands and their syntax. For detailed information about Data ONTAP 6.4 commands, see the *Commands: Manual Page Reference*.

Syntax	Description
? ? [command ...]	Prints a summary of commands and Help strings. Displays the command function.
arp [-n] hostname arp [-n] -a arp -d hostname arp -f filename arp -s hostname ether_addr [temp] [pub]	Displays and controls address resolution.
atm adconfig device atm adconfig -p vpi-bits device atm adconfig -l on off device atm adconfig -f sonet sdh device atm adconfig -i idle unassigned device atm adconfig -c external internal device	Configures asynchronous transfer mode (ATM) devices.
atm adinfo [-c device]	Displays ATM device information.
atm adstat [-poa045d] device [interval]	Displays ATM device driver statistics.
atm atmarp [-N] hostname atm atmarp [-N] -a atm atmarp -s hostname device vpi vci aal [encap] [peak] atm atmarp -l device vpi vci aal [decap] atm atmarp -d hostname atm atmarp -x device vpi vci atm atmarp -f	Manipulates FORE/IP Internet-to-ATM address mappings.
atm atmconfig device atm atmconfig -q peak off device atm atmconfig -c vpi vci aal [peak] device atm atmconfig -s vpi vci aal [peak] device	Manages FORE/IP configuration.
atm elarp show -all [-elan elan -mac mac] [-unit unit]	Displays media access control-to-ATM (MAC-to-ATM) address mappings.
atm elarp delete -all [-elan elan -mac mac] [-unit unit]	Deletes media access control-to-ATM (MAC-to-ATM) address mappings.
atm elconfig show [elan -auto -all] -configured -lecs] [-unit unit]	Displays the ATM Forum LAN Emulation configuration.

Syntax	Description
<pre>atm elconfig add <i>elan</i> -auto [-unit <i>unit</i>] [-if <i>interface</i>] atm elconfig add [-les <i>ATMaddress</i>] atm elconfig add [-type ethernet]</pre>	Joins an ELAN and specifies configuration parameters.
<pre>atm elconfig delete <i>elan</i> -auto -lecs [-unit <i>unit</i>]</pre>	Unjoins an ELAN and terminates connections to both its LES and BUS, and removes the network associated with this ELAN.
<pre>atm elconfig set -lecs <i>ATMaddress</i> -wellknown -manual [-unit <i>unit</i>] atm elconfig wait [<i>maxSeconds</i>]</pre>	Sets the ATM address of the LECS to <i>ATMaddress</i> .
<pre>atm uniconfig show [-unit <i>unit</i>] atm uniconfig set properties [-unit <i>unit</i>] atm uniconfig set properties [-version 3.0 3.1 auto] atm uniconfig set properties [-address <i>atm_addr</i>] atm uniconfig set failover [-state off static dynamic] atm uniconfig set failover [-group <i>unit</i>]</pre>	Configures user-network interface (UNI) on ATM devices.
<pre>availtime [reset]</pre>	Reports availability statistics for NFS, CIFS, DAFS, FCP, and iSCSI.
<pre>backup status [<i>ID</i>] backup terminate <i>ID</i></pre>	Displays the status of backups or terminates a restartable backup.
<pre>cf [disable enable forcetakeover [-d] [-f] forcegiveback giveback [-f] monitor nfo partner status [-t] takeover [-f]] cf nfo [enable disable] <i>module</i> [...] cf nfo status</pre>	Controls the takeover and giveback operations of the filers in a cluster. Note: <i>disk_shelf</i> is the only negotiated failover <i>module</i> currently implemented.
<pre>cifs access <i>share</i> [-g] [<i>user</i> <i>group</i>] <i>rights</i> cifs access -delete <i>share</i> [-g] [<i>user</i> <i>group</i>]</pre>	Sets and modifies share-level access control lists (ACLs).
<pre>cifs audit save [-f] cifs audit clear cifs audit start cifs audit stop</pre>	Configures CIFS auditing.
<pre>cifs broadcast {<i>wsname</i> -v <i>volname</i>} <i>message</i></pre>	Displays a message on user workstations.
<pre>cifs comment [<i>newcomment</i>]</pre>	Displays or changes the server description.
<pre>cifs help [<i>command</i>] [detail]</pre>	Displays help for CIFS-specific commands.
<pre>cifs homedir [load [-f]]</pre>	Manages CIFS home directory paths. Loads /etc/cifs_homedir.cfg.

Syntax	Description
<pre>cifs lookup <i>name</i> cifs lookup <i>domain\name</i> cifs lookup <i>textual_sid S-x-y-z</i></pre>	Translates between names and security identifiers (SIDs).
<pre>cifs nbalias</pre>	Displays the list of CIFS NetBios aliases in use by the filer.
<pre>cifs nbalias load</pre>	Data ONTAP processes <code>/etc/cifs_nbalisas.cfg</code> and begins using the updated list of entries.
<pre>cifs prefdc cifs prefdc print [<i>domain</i>] cifs prefdc add <i>domain dclist</i> cifs prefdc delete <i>domain</i></pre>	Configures and displays CIFS preferred domain controller information.
<pre>cifs resetdc [<i>domain</i>]</pre>	Resets the CIFS connection to domain controllers for the specified domain.
<pre>cifs restart [-v <i>vol_name</i>]</pre>	Restarts CIFS services.
<pre>cifs sessions [-s] [<i>user_name</i> <i>ip_address</i> <i>workstation_name</i> *]</pre>	Displays information about current CIFS activity.
<pre>cifs setup</pre>	Configures CIFS service.
<pre>cifs shares [<i>share_name</i>] cifs shares -add <i>sharename path</i> [-comment <i>description</i>] [-maxusers <i>userlimit</i>] [-forcegroup <i>groupname</i>] [-widelink] [-nosymlink_strict_security] [-novscan] [-novscanread] [-umask <i>mask</i>] cifs shares -change <i>sharename</i> {-comment <i>desc</i> -nocomment} {-maxusers <i>userlimit</i> -nomaxusers} {-forcegroup <i>groupname</i> -noforcegroup} {-widelink -nowidelink} {-symlink_strict_security -nosymlink_strict_security} {-vscan -novscan} {-vscanread -novscanread} {-umask <i>mask</i> -noumask} cifs shares -delete [-f] <i>sharename</i></pre>	Sets up and displays CIFS shares.
<pre>cifs sidcache clear all cifs sidcache clear [<i>domain</i>] cifs sidcache clear user <i>user</i> cifs sidcache clear sid <i>textualSid</i></pre>	Clears the SID-to-name map cache.
<pre>cifs stat [-u <i>user</i>] [-h <i>host</i>] [-v [<i>v</i>]][<i>interval in seconds</i>] cifs stat [-z] cifs stat [-c]</pre>	Prints CIFS statistics.
<pre>cifs terminate [-t <i>minutes</i>] {[<i>workstation</i>]}</pre>	Terminates CIFS services.
<pre>cifs testdc [<i>domainname</i>] cifs testdc [<i>WINS_IP_address</i>] <i>domainname</i> [<i>filename</i>]</pre>	Tests connection to domain controllers.

Syntax	Description
<code>cifs top [-s <i>sort</i>] [-n <i>maxclients</i>] [-a <i>average</i>] [-v]</code>	Displays CIFS clients according to activity.
<code>config clone {<i>filer</i>} {<i>remote_user</i>} config diff [-o <i>output_file</i>] {<i>config_file</i>} [<i>config_file2</i>] config dump [-f] [-v] {<i>config_file</i>} config restore [-v] {<i>config_file</i>}</code>	Manages saved configurations.
<code>dafs access add [-n] -h <i>host</i> [-e <i>export</i> -p <i>path</i>] dafs access delete [-n] -h <i>host</i> [-e <i>export</i> -p <i>path</i>] dafs access set [-n] -h <i>host_list</i> [-e <i>export</i> -p <i>path</i>] dafs access get [-e <i>export</i> -p <i>path</i>]</code>	Manages Direct Access File System (DAFS) export access controls.
<code>dafs attach <i>nic</i> [-d <i>physical_nic</i>] [-l <i>listen_address</i>] [-p]</code>	Attaches a new network interface card to DAFS service.
<code>dafs detach <i>nic</i></code>	Detaches a network interface card from DAFS service.
<code>dafs drain</code>	Drains current DAFS requests before returning to the command prompt.
<code>dafs export create [-r] <i>name path</i> dafs export destroy <i>name</i> dafs export list [<i>name</i>] dafs export modify [-r] [-w] <i>name</i> dafs export all -a dafs export disable enable <i>name</i></code>	Manages DAFS exports.
<code>dafs option <i>nic</i> [<i>option</i> [<i>value</i>]]</code>	Sets, gets, or lists DAFS network interface card options.
<code>dafs setup</code>	Performs DAFS service configuration and setup.
<code>dafs start</code>	Starts DAFS service.
<code>dafs stats {start stop [-a] list [-a] [-z]}</code>	Performs DAFS statistics gathering.
<code>dafs status [-a -C -M] [-v] dafs status -n [-s [-r]] [-v] [<i>nic</i>] dafs status -s [-r] [-v] [<i>session</i>]</code>	Displays DAFS service status.
<code>dafs stop</code>	Stops DAFS service.
<code>date [-u] [[[[[[CC]yy]mm]dd] <i>hhmm</i> [.ss]]</code>	Displays or sets the date.
<code>dd [[if= file] [din= disknum bin= blocknum]] [[of= file] [dout= disknum bout= blocknum]] count= number_of_blocks</code>	Copies blocks of data.
<code>df [-i] [-h -k -m -g -t] [<i>pathname</i>] df -r [-h -k -m -g -t] [<i>pathname</i>]</code>	Displays free disk space. Displays reserved space.

Syntax	Description
<code>disk fail <i>disk_name</i></code>	Removes a file system disk from its RAID group.
<code>disk remove <i>disk_name</i></code>	Removes a spare disk.
<code>disk scrub {start stop}</code>	Starts and stops RAID scrubbing.
<code>disk swap</code>	Enables removing or adding a disk.
<code>disk unswap</code>	Undoes a disk swap.
<code>diskcopy</code>	Copies the contents of one disk to another.
<code>disk_fw_update [<i>disk_name</i>]</code>	Updates disk firmware.
<code>disk_fw_update_fix [<i>disk_name</i>]</code>	Resolves spinup problems with certain Seagate disks. Available only in maintenance mode.
<code>disktest [B] [-t <i>minutes</i>] [-v]</code> <code>[<i>adapter</i>]</code> <code>disktest -T [-t <i>minutes</i>] [-v]</code> <code><i>adapter</i></code> <code>disktest [-R] [-W] [-A] [-V] [-B]</code> <code>[-t <i>minutes</i>] [-n <i>sects</i>] [-v]</code> <code>[-s <i>shelf-list</i>] [-d <i>disk-list</i>]</code> <code>[-a <i>adapter-list</i>]</code>	Tests all types of disks on an appliance.
<code>dml [list load <i>objectfile</i> unload <i>objectfile</i>]</code>	Administers dynamically loadable modules (DLMs), independent sections of Data ONTAP code that implement a particular optional or configuration-dependent component (such as the ATM communications driver).
<code>dns info</code>	Prints Domain Naming Service (DNS) server information.
<code>dns flush</code>	Empties the DNS cache.
<code>download [-f]</code>	Installs a new version of Data ONTAP.
<code>dump [<i>options</i> [<i>arguments ...</i>]]</code> <code><i>pathname</i></code>	Dumps file systems to tape on a filer or remote host.
<code>echo [<i>string ...</i>]</code>	Writes arguments, separated by blanks and terminated by an end-of-line character, to the standard output.
<code>ems [on off]</code> <code>ems [event log] status</code> <code>ems log [off on]</code> <code>ems log [dump file save </code> <code>rotate] <i>value</i></code> <code>ems log level <i>value</i></code>	Manages the Event Management System (EMS).

Syntax	Description
<pre>environment status environment [status] [shelf [adapter]] environment [status] [chassis [all Fans CPU_Fans Power Temperature PS1 PS2 RTC battery]]</pre>	Displays information about the filer's physical environment. Because the chassis' class collection and their names are platform-dependent, the chassis usage (Fans, CPU_Fans, and so on) is generated dynamically and will vary.
<pre>exportfs [-aiuv] [-o options] [path]</pre>	Exports or unexports directories to NFS clients.
<pre>fcv config [adapter [up down] [partner adapter -partner] [mediatype {ptp auto loop}]]</pre>	Sets up and configures Fibre Channel Protocol (FCP) target adapters and the FCP target protocol.
<pre>fcv help subcommand</pre>	Displays syntax and description of <i>subcommand</i>
<pre>fcv nodename nodename</pre>	Sets or displays the FCP target nodename of the filer.
<pre>fcv show adapter [-p][-v] [adapter]</pre>	Displays target adapter information.
<pre>fcv show initiator [-v] [adapter]</pre>	Displays information about initiators connected to the filer.
<pre>fcv start stop</pre>	Starts or stops the FCP service.
<pre>fcv stats [-z] [adapter]</pre>	Displays statistics for the specified target adapter.
<pre>fcv status</pre>	Displays the status of the FCP service.
<pre>fcstat link_stats [adapter_name] fcstat fcal_stats [adapter_name] fcstat device_map [channel_name]</pre>	Displays Fibre Channel statistics.
<pre>fcvtest [-v] [-B] [-t minutes] [adapter] fcvtest -T [-t minutes] [-v] adapter fcvtest [-R] [-W] [-A] [-V] [-B] [-t minutes] [-n sects] [-v] [-s shelf-list] [-d disk-list] [-a adapter-list]</pre>	Tests the Fibre Channel environment. Available only in Maintenance mode.
<pre>file reservation path_name [enable disable]</pre>	Manages space reservataion for individual files.
<pre>filestats [-g] [-u] [ages ages] [expr expression] [timetype {a,m,c,cr}] [sizes sizes] snapshot snapshot_name [style style] [volume volume_name]</pre>	Collects file usage statistics.
<pre>floppyboot</pre>	Describes the choices at the floppy boot prompt
<pre>fpolicy disable fpolicy-command</pre>	Disables a specified file policy command.

Syntax	Description
<code>fpolicy enable <i>fpolicy-command</i></code>	Enables a specified file policy command.
<code>fpolicy ext[ension] {excl[ude] incl[ude]} [add remove set reset show <i>policy_name</i> [ext[,ext]]</code>	Lists the file policy extensions.
<code>fpolicy help</code>	Lists file policy commands.
<code>fpolicy options <i>policy_name</i> required [on off]</code>	Lists the file policy configurations.
<code>fpolicy servers <i>policy_name</i> fpolicy servers <i>policy_name</i> <i>IP_addr</i></code>	Lists the file policy servers.
<code>fpolicy show <i>policy_name</i></code>	Lists the file policy status.
<code>halt [-d <i>halt_string</i>] [-f] [-t mins]</code>	Stops the filer.
<code>help <i>command</i></code>	Displays command-line help for the specified command.
<code>hostname [<i>name</i>]</code>	Displays or sets the filer name.
<code>httpstat [-adehrst] [-c <i>count</i>] [<i>interval</i>]</code>	Displays HTTP statistics.
<code>httpstat -z [<i>adert</i>]</code>	Zeros out the specified HTTP statistics.
<code>ifconfig <i>interface</i> [[alias -alias] <i>address</i>] [netmask <i>mask</i>] [broadcast <i>address</i>] [mtusize <i>size</i>] [up down] [mediatype {tp tp-fd 100tx 100tx-fd 1000fx auto}] [flowcontrol {none receive send full}] [trusted untrusted] [wins -wins] [[partner {<i>address</i> <i>interface</i>}] [-partner]] ifconfig [-a]</code>	Sets network interface parameters. Displays network interface parameters.
<code>ifinfo [-a <i>interface_name</i>]</code>	Displays driver-level statistics for network interfaces.
<code>ifstat [-z] -a <i>interface</i></code>	Displays network interface statistics.
<code>igroup add <i>groupname node</i> igroup create {-f -i} [-t <i>ostype</i>] <i>groupname</i> [<i>node ...</i>] igroup destroy <i>groupname</i> igroup help <i>sub_command</i> igroup remove [-f] <i>groupname node</i> igroup set <i>groupname attribute</i> <i>value</i> igroup show [<i>groupname</i>]</code>	Manages initiator groups.

Syntax	Description
<pre> ipsec policy add [-s <i>src_ip/prefixlen</i>[<i>port</i>]] [-t <i>dst_ip/prefixlen</i>[<i>port</i>]] -p {esp ah} [-e {des 3des null}-a {sha1 md5 null} -d {in out} [-m] [-f <i>ip_protocol</i>] [-l {restrict permit}] </pre>	Adds the IPsec Security Policy Database (SPD) entries.
<pre> ipsec policy delete all -i <i>index</i> [[<i>-s src_ip -t dest_ip</i>] -d {in out} [-m]] </pre>	Deletes the IPsec Security Policy Database (SPD) entries.
<pre> ipsec policy show [-s <i>src_ip</i>] [-t <i>dst_ip</i>] [-f <i>ip_protocol</i>] [-d {in out}] [-p {esp ah}] </pre>	Displays the IPsec Security Policy Database (SPD) entries.
<pre> ipsec sa show [spi [-s <i>src_ip</i> -t <i>dst_ip</i> -t <i>dst_ip</i>] -p {esp ah}]] [-v] </pre>	Displays the IPsec Security Association Database (SAD) entries
<pre> ispec stats [-z] </pre>	Displays a set of IPsec statistics.
<pre> ipspace assign <i>ipspace</i><i>name</i> <i>interface</i>-<i>name</i> ipspace create <i>ipspace</i><i>name</i> ipspace destroy <i>ipspace</i><i>name</i> ipspace list ipspace help </pre>	Manages multiple IP address spaces (IPspaces) on a filer.
<pre> iscsi config [<i>adapter</i> [up down]] iscsi nodename [<i>new_nodename</i>] iscsi security show iscsi start stop iscsi show adapter [<i>adapter</i>] iscsi show initiator [<i>adapter</i>] iscsi stats [-z] [<i>adapter</i>] iscsi status </pre>	Manages iSCSI service and iSCSI adapters, and displays iSCSI statistics.
<pre> iswtinterface show[-a <i>interface</i> ...] iswtinterface enable {-a <i>interface</i> ...} iswt interface disable [-f] {-a <i>interface</i> ...} </pre>	Controls access for and displays the status of iSCSI adapters.
<pre> license [add <i>code</i> delete <i>service</i>] </pre>	Shows, enables, or disables Data ONTAP services.
<pre> logger [<i>string</i>] </pre>	Records messages in the system log.
<pre> logout {telnet} </pre>	Terminates a Telnet session.
<pre> lun clone show </pre>	Displays the LUNs being cloned.
<pre> lun clone start <i>lun_path</i> lun clone stop <i>lun_path</i> </pre>	Starts and stop the process of cloning a LUN
<pre> lun clone status <i>lun_path</i> </pre>	Displays the cloning progress on the LUN.
<pre> lun comment <i>lun_path</i> [<i>comment</i>] </pre>	Displays or sets a comment about the specified LUN.

Syntax	Description
<pre> lun create -s size [-t type] [-o noreserve] lun-path lun create -f file_path [-t type] lun-path lun create -b snapshot_lun_path lun_path [...] </pre>	Creates and manages LUNs and their exports using SAN protocols.
<pre> lun destroy lun_path [...] -f </pre>	Deletes one or more LUNs.
<pre> lun help command </pre>	Displays help for the lun command.
<pre> lun map lun_path initiator_group [lun_id] lun unmap path initiator_group </pre>	Maps and unmaps a LUN to an initiator group, making the LUN accessible or inaccessible to the initiator hosts in the initiator group.
<pre> lun offline lun_path [...] lun online lun_path [...] </pre>	Takes a LUN offline, disabling block-protocol access to the LUN or brings a LUN online, enabling block-protocol access to the LUN
<pre> lun resize [-f] lun_path size </pre>	Changes the size of a LUN. If reducing the size, use -f to override warnings.
<pre> lun serial lun_path [serial_number] </pre>	Displays or changes the serial number of a LUN.
<pre> lun share lun_path { none read write all } </pre>	Configures access to the file underlying the LUN using network file-system protocols (NFS, CIFS).
<pre> lun show [-c -v -m] [all mapped offline online unmapped lun_path -g initiator_group] </pre>	Displays information about the LUNs.
<pre> lun stats [-z -k] [lun_path] </pre>	Displays or zeros block-protocol access statistics.
<pre> man [-s section] command-name </pre>	Displays manual (man) reference page for the specified command.
<pre> maxfiles [vol_name [max]] </pre>	Displays or increases the maximum number of files.
<pre> mt {-f -t} tapedevice_command [count] </pre>	Positions and controls magnetic tape.
<pre> nbtstat </pre>	Displays information about the NetBIOS over TCP (NBT) connection for the filer.
<pre> ndmpcopy [-sa username:password] [-da username:password] [-st text md5] [-dt text md5] [-l 0 1 2] [-d] [-f] [-h] [source-filer:]source-path [destination-filer:]destination -path </pre>	Copies data using the Network Data Management Protocol (NDMP) service.

Syntax	Description
<code>ndmpd [on off status probe [<i>session#</i>] kill <i>session#</i> killall version <i>maxversion</i>]</code>	Manages the NDMP service.
<code>netdiag [-s v d] [-nbate] [-p [-I <i>interface</i>]]</code>	Performs network diagnostics.
<code>netstat [-an] -m netstat -m netstat -r [-sn] netstat -g netstat {-i -I <i>interface</i>} [-dn] [-w <i>interval</i>] [-f wide normal] [-x] netstat -s [-p <i>protocol</i>]</code>	Displays network statistics.
<code>nfs [on off setup]</code>	Turns Network File System (NFS) on or off, or enters a setup dialog that sets system parameters for Kerberos V5 support in NFS.
<code>nfsstat <i>interval</i> nfsstat [-c] [-t] nfsstat -h [<i>host_name</i> <i>ip_address</i>] nfsstat {-z -l -d}</code>	Displays statistics about NFS and remote procedure calls (RPC) for the filer.
<code>nis info</code>	Displays Network Information Service (NIS) information.
<code>options options <i>option</i> options [<i>option value</i>] ...</code>	Shows and sets filer options. See “Options to the options command” on page 19 for more information.
<code>orouted</code>	Deprecated command. See <code>routed</code> .
<code>partner [<i>command</i>]</code>	Executes a command in partner mode and toggles between partner and takeover mode.
<code>passwd <i>oldpassword newpassword</i> [<i>username</i>]</code>	Sets or changes the filer password. Use only with <code>rsh</code> .
<code>ping [-rv] [-i <i>interface</i>] <i>host</i> [<i>count</i>] ping [-s] [-Rrv] [-i <i>interface</i>] <i>host</i> [<i>packetsize</i>]</code>	Checks whether network hosts are reachable.
<code>priv priv set [-q] [admin advanced] priv help</code>	Controls per-connection privilege settings.
<code>qtree create <i>path_name</i></code>	Creates a qtree. If <i>path_name</i> does not begin with a slash (/), the qtree is created in the root volume.
<code>qtree oplocks <i>path_name</i> [enable disable]</code>	Displays, enables, or disables oplocks for files and directories in a qtree or a volume.
<code>qtree reservation <i>path_name</i> [enable disable]</code>	Displays, enables, or disables the current default space reservation settings for files created in or moved into the qtree.

Syntax	Description
<code>qtree security path_name [unix ntfs mixed]</code>	Changes the security style for files and directories.
<code>qtree status [-i -v] [vol]</code>	Displays the attributes for all qtrees.
<code>quota [[on off resize allow disallow] volume]</code> <code>quota report [-q][-s] [-t] [-u -x] [path]</code> <code>quota logmsg {on [interval] off} [-v vol all]</code>	Controls filer disk quotas.
<code>rdate host</code>	Sets the filer date from a remote host.
<code>reboot [-d halt_string] [-f] [-t interval]</code>	Stops and restarts the filer.
<code>restore [options [arguments ...]] [files ...]</code>	Restores files or file systems from dump backups.
<code>rmc help</code> <code>rmc setup</code> <code>rmc status</code> <code>rmc test email message reset</code>	Controls a Remote Management Controller (RMC) if one is present.
<code>route [-fn] add delete [host net] destination [gateway metric]</code> <code>route -s</code>	Manipulates the routing table explicitly.
<code>routed [-mopAtv] [-T tracefile] [-P parms] [on off]</code> <code>routed [-n] status</code>	Controls the network routing daemon.
<code>savecore [-w -s -f -i -k]</code>	Saves a core dump.
<code>secureadmin command argument ...</code> <code>secureadmin setup [-f] {ssh ssl}</code> <code>secureadmin addcert ssl path to CA_signed_cert</code> <code>secureadmin {enable disable} all ssh ssh1 ssh2 ssl</code> <code>secureadmin {status version}</code>	Configures and controls the SecureAdmin™ feature.
<code>setmk</code>	Sets the Master Key in the Registry.
<code>setup</code>	Executes a script to update the filer configuration.
<code>shelfchk</code>	Verifies disk shelf status.
<code>snap create vol_name name</code>	Creates a snapshot.
<code>snap delete vol_name name</code>	Deletes a specified snapshot.
<code>snap delete [-a] [-f] [-q] vol_name</code>	Deletes all snapshots in the specified volume.
<code>snap list -o [qtree_path]</code>	Displays the relationship between qtree replicas and the snapshots in which they were captured

Syntax	Description
<code>snap list -q [vol_name]</code>	Displays snapshot information for all volumes, or the volume specified.
<code>snap rename [vol_name] from to</code>	Renames a snapshot.
<code>snap reserve [vol_name [percent]]</code>	Displays or specifies the space reserved for snapshots.
<code>snap restore [-f] [-t vol file] [-s name] [-r restore_as_path] vol-name restore_from_path</code>	Reverts the volume or file to the specified snapshot.
<code>snap sched [vol_name [weeks [days [hours[@list]]]]]</code>	Schedules snapshots.
<code>snapmirror abort [-h] [filer:]vol [[filer2:]vol2 ...]</code>	Aborts active SnapMirror™ transfers to all specified destinations.
<code>snapmirror break dest_vol /vol/ vol_name/qtreename</code>	Ends the SnapMirror destination status of a volume and makes the volume writable.
<code>snapmirror destinations [-s] [src_volname /vol/volname/src_qtreename]</code>	Displays SnapMirror destinations for a source volume.
<code>snapmirror initialize [-k n] [-s src_snap] [-c dst_snap] [-S [srcfiler:]volname /vol/volname/qtreename] [dstfiler:]volname /vol/volname/qtreename</code>	Starts an initial SnapMirror transfer to the offline destination volume and gives the volume SnapMirror destination status.
<code>snapmirror {on off}</code>	Enables or disables SnapMirror data transfers and the SnapMirror scheduler.
<code>snapmirror quiesce [dstfiler:]dstvol snapmirror quiesce /vol/vol_name/ qtree_name</code>	Puts all destinations on the destination volume into an idle state.
<code>snapmirror release source destination snapmirror release /vol/ src_vol_name/src_qtree_name filer:/vol/dst_vol_name</code>	Tells SnapMirror that the destination volume no longer requires snapshots from the source volume.
<code>snapmirror resume destination OR snapmirror resume vol_name /vol/vol_name/qtreename</code>	Removes the idle state from the destination volume.
<code>snapmirror resync [-n] [-f] [-k n] [-S [src_filer:]src_vol] dst_vol</code>	Resynchronizes a writable volume with a source and gives the volume SnapMirror destination status.
<code>snapmirror resync [-n] [-f] [-k n] [-S [src_filer:]vol/src_vol/ src_qtree]/vol/dst_vol/ dst_qtree</code>	Resynchronizes a writable volume with a source and gives the volume SnapMirror destination status.

Syntax	Description
<pre> snapmirror retrieve -h <i>srctape</i> OR snapmirror retrieve <i>dstvol srctapes</i> </pre>	Retrieves data from tapes.
<pre> snapmirror status [-l] [-q] [<i>vol_name qtree</i>name ...] </pre>	Displays the status of SnapMirror data transfers.
<pre> snapmirror store [-g <i>volume_geometry</i>] <i>src_vol</i> <i>dst_tapes</i> </pre>	Stores an image of the specified volume to the specified tape device.
<pre> snapmirror update [-k <i>n</i>] [-S [<i>srcfiler:</i>]<i>src_vol</i>] [<i>dstfiler:</i>]<i>vol</i> OR snapmirror update [-k <i>n</i>] [-S [<i>srcfiler:</i>]<i>src_vol</i>] /<i>vol/vol_name/qtree_name</i> </pre>	Starts an incremental transfer to the destination volume.
<pre> snapmirror use <i>destination</i> <i>tapedrive</i> </pre>	Resumes a stopped store or retrieve operation to and from the specified tape device.
<pre> snapvault abort {[<i>-h</i>] [<i>dstfiler:</i>]<i>dstqtree</i> -s <i>vol</i> <i>snapname</i>} </pre>	Cancels SnapVault™ transfers to specified destinations, or with <i>-s</i> , cancels creation of a snapshot.
<pre> snapvault modify [-k <i>kbs</i>] [-t <i>n</i>] [-S [<i>srcfiler:</i>]<i>srcqtree</i>] [<i>dstfiler:</i>]<i>dstqtree</i> </pre>	Changes the configuration of a SnapVault qtree. Available on the server only.
<pre> snapvault release <i>srcqtree</i> <i>dst_filer:dst_qtree</i> </pre>	Releases a specified qtree for normally scheduled deletion.
<pre> snapvault restore [-s <i>snapname</i>] [-k <i>n</i>] -S [<i>server_filer:</i>]<i>server_qtree</i> [<i>client_filer:</i>]<i>client_qtree</i> </pre>	Restores a specified qtree on the server filer to the specified client qtree on the client filer. Available on the client only.
<pre> snapvault snap sched [-x] [<i>vol</i> [<i>snapname</i> [<i>sched_spec</i>]]] </pre>	Sets, changes, or lists snapshot schedules.
<pre> snapvault snap unsched [-f] [<i>vol</i> [<i>snapname</i>]] </pre>	Unconfigures the SnapVault snapshot schedule.
<pre> snapvault snap create <i>vol snapname</i> </pre>	Creates the specified, previously configured snapshot as if its scheduled time for creation had arrived.
<pre> snapvault start [-r] [-k <i>kbs</i>] [-t <i>n</i>] [-S [<i>srcfiler:</i>]<i>srcqtree</i>] [<i>dstfiler:dstqtree</i>] </pre>	Configures a client-server qtree pair and launches the initial complete transfer of data from client to server.
<pre> snapvault status {[<i>-l</i> -q] [[<i>filer:</i>]<i>qtree</i>] ...] -s [<i>vol</i> [<i>snapname</i>]] -c [<i>dst</i>]} </pre>	Reports client-server qtree configurations.
<pre> snapvault stop [<i>dstfiler:</i>]<i>dstqtree</i> </pre>	Ends SnapVault backup for a specified qtree.
<pre> snapvault update [-k <i>kbs</i>] [-s <i>snapname</i>] [<i>dstfiler:</i>]<i>dstqtree</i> </pre>	Initiates an unscheduled update transfer from the client to the server for a specified qtree.

Syntax	Description
<code>snmp</code>	Displays SNMP values for contact, location, authtrap, community, traphost, and init.
<code>snmp authtrap [0 1]</code>	Disables or enables SNMP agent authentication failure trapping.
<code>snmp community [add ro <i>community</i>] snmp community [delete {all ro <i>community</i>}]</code>	Adds or deletes SNMP communities.
<code>snmp contact [<i>contact</i>]</code>	Specifies the SNMP contact name.
<code>snmp init [0 1]</code>	Disables or enables the SNMP initialization.
<code>snmp location <i>location</i></code>	Specifies the SNMP location.
<code>snmp traphost [{add delete} {<i>hostname</i> <i>ipaddress</i>}]</code>	Adds or deletes recipients of filer trap protocol data units (PDUs).
<code>snmp traps [walk <i>prefix</i>] snmp traps load <i>filename</i> snmp traps [enable disable reset delete] [<i>trapname</i>] snmp traps <i>trapname.parm value</i></code>	Controls user-defined SNMP traps.
<code>software install {<i>software_file url</i> [-f] [<i>dest</i>]} software get <i>url software_file</i> software delete <i>url software file</i> software list url is as follows: http://<i>user:password@host:port/</i> <i>path</i></code>	Downloads Data ONTAP software from a server and installs it.
<code>source [-v] <i>filename</i></code>	Reads and executes a file of filer commands.
<code>storage alias [<i>alias</i> {<i>electrical_name</i> <i>wwn</i>}] storage disable adapter <i>name</i> storage enable adapter <i>name</i> storage help storage show adapter [-a] [<i>name</i>] storage show disk [-a -p] [<i>disk</i>] storage show fabric storage show hub [-a] [<i>hub-name</i>] storage show mc [<i>name</i>] storage show port [<i>name</i>] storage show switch [<i>name</i>] storage show tape [<i>name</i>] storage show tape supported [-v] storage stats tape <i>name</i> storage stats tape zero <i>name</i> storage unalias {<i>alias</i> -a -m -t}</code>	Displays and manages disks, SCSI and Fibre Channel adapters, and various components of the storage subsystem.
<code>sysconfig [-A -c -d -m -r -t -V] sysconfig [-av] [<i>slot</i>]</code>	Displays the filer hardware configuration.
<code>sysstat [-c <i>count</i>] [-s][-u -x -m] [-d -f -i] [<i>interval</i>]</code>	Displays filer statistics.

Syntax	Description
timezone <i>[name]</i>	Specifies the filer's current time zone.
tracertoute [-nrv] [-w <i>wait</i>] [-m <i>max_ttl</i>] [-p <i>port#</i>] [-q <i>nqueries</i>] [-t <i>tos</i>] [-s <i>src_addr</i>] <i>host</i> [<i>data_size</i>]	Prints the route that packets take to a network host.
ups add [-c <i>community</i>] <i>IPaddress</i> ups disable [<i>all</i> <i>IPaddress</i>] ups enable [<i>all</i> <i>IPaddress</i>] ups status	Controls the monitoring of uninterruptible power supplies.
uptime	Shows how long the system has been up.
useradmin useradd [-c <i>comments</i>] <i>login_name</i> useradmin userdel <i>login_name</i> useradmin userlist [<i>username_list</i>]	Adds, deletes, or lists administrative users.
version [-b]	Displays the software version.
vfiler add <i>vfilename</i> [-f] [-i <i>IPaddress</i> [-i <i>IPaddress</i>] ...] [<i>path</i> [<i>path</i> ...]] vfiler allow disallow <i>vfilertemplate</i> [<i>proto=cifs</i>] [<i>proto=nfs</i>] [<i>proto=rsh</i>] vfiler create <i>vfilename</i> [-s <i>IPspace</i>] -i <i>IPaddress</i> [-i <i>IPaddress</i>] ... <i>path</i> [<i>path</i> ...] vfiler create <i>vfilename</i> -r <i>path</i> vfiler destroy [-f] <i>vfilename</i> vfiler move <i>vfiler_from</i> <i>vfiler_to</i> [-f] [-i <i>IPaddress</i> [-i <i>IPaddress</i>] ...] [<i>path</i> [<i>path</i> ...]] vfiler remove <i>vfilename</i> [-f] [-i <i>IPaddress</i> [-i <i>IPaddress</i>] ...] [<i>path</i> [<i>path</i> ...]] vfiler run <i>vfilertemplate</i> <i>command</i> [<i>args</i>] vfiler start <i>vfilertemplate</i> vfiler status [-r -a] [<i>vfilertemplate</i>] vfiler stop <i>vfilertemplate</i>	Manages Vfiler™ units.
vif create [<i>single multi</i>] <i>vif_name</i> -b [<i>rr mac ip</i>] [<i>interface_list</i>] vif add <i>vif_name</i> <i>interface_list</i> vif delete <i>vif_name</i> <i>interface_name</i> vif destroy <i>vif_name</i> vif { <i>favor</i> <i>nofavor</i> } <i>interface</i> vif status [<i>vif_name</i>] vif stat <i>vif_name</i> [<i>interval</i>]	Creates, deletes, adds interfaces to, favors an interface of, and displays status and statistics of virtual interface (VIF) networks (trunks).
vlan create [-g { <i>on off</i> }] <i>ifname</i> <i>vlanid_list</i> vlan add <i>ifname</i> <i>vlanid_list</i> vlan delete -q <i>ifname</i> <i>vlanid_list</i> vlan modify -g { <i>on</i> <i>off</i> } <i>ifname</i> vlan stat <i>ifname</i> [<i>vlanid_list</i>]	Creates, adds interfaces to, deletes, modifies, and displays statistics of a virtual LAN (VLAN).

Syntax	Description
<code>vol add vol-name [-f] [-n] [-g raid-group] {ndisks [@disk-size] -d disk-name1 [disk-name2 ...]}</code>	Adds disks to an existing volume.
<code>vol copy abort [all operation_number]</code>	Terminates <code>vol copy</code> operations.
<code>vol copy start [-S -s snapshot_name] src_vol dest_vol</code>	Copies data from one volume to another.
<code>vol copy status [operation_number]</code>	Shows the progress of <code>vol copy</code> operations.
<code>vol copy throttle [operation_number] value</code>	Controls the operation copy speed in tenths of full speed.
<code>vol create vol-name [-f] [-n] [-m] [-r raid-group-size] [-l language_code] {ndisks [@disk-size] -d disk_name1 [disk_name2 ...] [-d disk_name1 [disk_name2 ...]]}</code>	Creates a new volume.
<code>vol destroy {vol-name plex-name} [-f]</code>	Destroys a volume or plex and returns its disks to the spare pool.
<code>vol lang</code> <code>vol lang vol-name</code> <code>vol lang vol-name language_code</code>	Displays the list of language codes. Displays the character mapping on <code>vol_name</code> . Changes the character mapping on <code>vol_name</code> .
<code>vol mirror vol-name [-n] [-f] [-v victimvol] [-d disk_name1 ... [disk_nameN]]</code>	Makes the specified volume a synchronous mirrored volume.
<code>vol offline {vol-name plex-name} [-t cifsdelaytime]</code>	Takes a volume or plex offline (after a delay time, if specified).
<code>vol online {vol-name [-f] plex-name}</code>	Brings a volume or plex online.
<code>vol options vol-name option-name option-val</code>	In the <code>vol-name</code> volume, sets the value of the <code>option-name</code> option to <code>option-val</code> . See “Options to the <code>vol options</code> command” on page 38 for more information.
<code>vol rename vol-name new-name</code>	Renames a volume.
<code>vol restrict vol-name [-t cifsdelaytime]</code>	Marks a volume restricted.
<code>vol scrub start [{vol-name plex-name raidgroup-name}]</code> <code>vol scrub stop [{vol-name plex-name raidgroup-name}]</code> <code>vol scrub suspend [{vol-name plex-name raidgroup-name}]</code> <code>vol scrub resume [{vol-name plex-name raidgroup-name}]</code> <code>vol scrub status [{vol-name plex-name raidgroup-name}] [-v]</code>	Starts, stops, suspends, resumes, or reports status of a scrub pass on a specified volume, plex, or RAID group or on all volumes if no name is supplied.

Syntax	Description
<code>vol snaprestore <i>vol-name</i> [-f] [-s <i>snap-name</i>]</code>	Reverts a volume to a specified snapshot.
<code>vol split <i>plex-name newvol</i></code>	Removes a plex from a synchronous mirror volume, creating a new volume.
<code>vol status [<i>vol-name</i>] [-d -r -v -l -c -b -s -f]</code>	Displays the volume status and configuration.
<code>vol verify start [<i>vol-name</i>] [-n]</code> <code>vol verify stop [<i>vol-name</i>]</code> <code>vol verify suspend [<i>vol-name</i>]</code> <code>vol verify resume [<i>vol-name</i>]</code> <code>vol verify status [<i>vol-name</i>]</code>	Starts, stops, suspends, resumes, or reports status of a verification pass on a specified volume or on all volumes if no name is supplied.
<code>vscan</code>	Displays virus scan settings and provides a summary of scan requests.
<code>vscan extensions [reset set <i>ext-list</i> add <i>ext-list</i> remove <i>extlist</i>]</code>	Displays the current set of file extensions or restores the current list to a default extension list, sets a new extension list, adds a new extension list, or removes an extension list.
<code>vscan on [-f] off</code>	Enables or disables virus scanning for files on the filer.
<code>vscan options mandatory_scan [on off]</code> <code>vscan options timeout [reset set <i>value</i>]</code> <code>vscan options use_host_scanners [on off]</code>	Specifies optional virus scan values.
<code>vscan reset</code>	Discards cached information of files that have been successfully scanned.
<code>vscan scanners</code>	Displays a list of scanning clients.
<code>vscan scanners stop <i>IP-address</i></code>	Terminates a connection to the specified scanning client.
<code>wcc -a -i <i>IPaddress</i> -u <i>uname</i> [-v]</code> <code>wcc {-u <i>uname</i> -s <i>ntname</i>} [-x] [-i <i>IPaddress</i>] [-v]</code> <code>wcc -x -i <i>IPaddress</i> [-v]</code> <code>wcc -x [-f] [-v]</code> <code>wcc -d [-v[v[v]]]</code>	Manages the WAFL™ credential cache.
<code>ypcat [-k] [-t] <i>mapname</i></code> <code>ypcat -x</code>	Prints all values in the NIS database.
<code>ypgroup [<i>username</i>]</code>	Displays the group file entries cached locally from the NIS server.
<code>ypmatch [-t] [-k] <i>key</i> [<i>key</i> ...]</code> <code><i>mapname</i></code> <code>ypmatch -x</code>	Prints every value in the NIS map <i>mapname</i> whose <i>key</i> matches one of the listed keys.
<code>ypwhich</code>	Displays the name of the NIS server.

Options to the options command

The following table lists options to the `options` command. The syntax of the options command is `options [option] [value]`. To specify or to change the value of an option, supply the desired value as an argument to that option. The `options` command followed by the option alone, without the value, displays the current value of that option.

A bracketed number following an option means that the option is important to a cluster, a vfiler, or a block access protocol. The meanings of the bracketed numbers appear here and at the end of the options table. For example, the value specified by the `trusted.hosts` option must be the same value on both partners in a cluster. The options table signifies this by the entry `trusted.hosts [2]`.

[1] List of options for which the value might be overwritten in a takeover.

[2] List of options for which the same value is required on both partners in a cluster.

[3] List of options for which the same value is recommended on both filers in a cluster.

[4] List of options recognized by a vfiler unit.

Option	Description	Value (default)
<code>auditlog.enable [1]</code>	Enables or disables audit logging of commands.	<code>on off (on)</code>
<code>auditlog.max_file_size [1]</code>	Specifies the maximum size, in bytes, of the audit log file.	A number (10000000)
<code>autologout.console.enable [1]</code>	Enables or disables automatic logout of console session.	<code>on off (off)</code>
<code>autologout.console.timeout [1]</code>	Specifies the number of minutes after which the console session disconnects if <code>autologout.console.enable</code> is On.	A number (60)
<code>autologout.telnet.enable [1]</code>	Enables or disables automatic logout of Telnet connections.	<code>on off (on)</code>
<code>autologout.telnet.timeout [1]</code>	Specifies number of minutes after which Telnet connections are disconnected if <code>autologout.telnet.enable</code> is On.	A number (60)
<code>autosupport.cifs.verbose</code>	Enables or disables inclusion of CIFS sessions and shares information in autosupport e-mail.	<code>on off (off)</code>
<code>autosupport.content</code>	Determines the type of content that autosupport notifications contain.	<code>complete minimal (complete)</code>

Option	Description	Value (default)
<code>autosupport.dafs.verbose</code>	Enables or disables inclusion of detailed DAFS information in autosupport e-mail.	on off (off)
<code>autosupport.doit</code>	Sends autosupport e-mail immediately.	One word explaining purpose of e-mail (" ")
<code>autosupport.enable</code>	Enables or disables the autosupport feature.	on off (on)
<code>autosupport.from</code>	Specifies user name as sender of autosupport e-mail.	E-mail address (postmaster@ your_domain)
<code>autosupport.mailhost</code>	Specifies up to five mail hosts for sending autosupport e-mail.	Comma-separated list of host names (" ")
<code>autosupport.minimal.subject.id</code>	Defines the type of string used in the identification portion of the subject line when <code>autosupport.content</code> is set to minimal.	systemid hostname (systemid)
<code>autosupport.noteto</code>	Specifies up to five recipients of autosupport short notes.	Comma-separated list of addresses (" ")
<code>autosupport.retry.count</code>	Specifies number of times the filer will try to resend autosupport e-mail before giving up.	0 to 4294967295 (15)
<code>autosupport.retry.interval</code>	Specifies time to delay before trying to send autosupport e-mail again.	30s to 24h (4m)
<code>autosupport.support.enable</code>	Enables the autosupport notification to be sent to Network Appliance.	on off (on)
<code>autosupport.support.proxy</code>	Specifies the setting of an HTTP proxy, if needed.	Proxy name (" ")
<code>autosupport.support.to</code>	Read-only. Specifies where autosupport notifications to Network Appliance are sent if SMTP is used.	"autosupport@netapp.com"

Option	Description	Value (default)
<code>autosupport.support.transport</code>	Specifies the protocol used to send autosupport notifications.	<code>http https smtp (https)</code>
<code>autosupport.support.url</code>	Read-only. Specifies where autosupport notifications to Network Appliance are sent if HTTP is used.	<code>"support.netapp.com/asupprod/post/1.0/postAsup"</code>
<code>autosupport.throttle</code>	Enables or disables the dropping of messages when too many of the same type are sent in too short a time.	<code>on off (on)</code>
<code>autosupport.to</code>	Specifies up to five recipients of autosupport e-mail.	Comma-separated list of names (" ")
<code>backup.log.enable</code>	Enables or disables event logging for backup events.	<code>on off (on)</code>
<code>cf.giveback.auto.cifs.terminate.minutes</code>	Specifies the number of minutes to delay an automatic giveback before terminating CIFS clients having open files. If zero, CIFS clients are terminated immediately.	Number of minutes (5)
<code>cf.giveback.auto.enable</code>	Turns on or off automatic giveback. when one node of a cluster is in takeover mode and the "down" node is repaired and reboots.	<code>on off (off)</code>
<code>cf.giveback.auto.terminate.bigjobs</code>	When on, immediately terminates long-running operations when initiating an automatic giveback.	<code>on off (on)</code>
<code>cf.giveback.check.partner</code>	Turns on/off checking for partner readiness before starting giveback at the <code>cf giveback</code> command and not starting if the partner is not halfway booted up. Used on flash booted systems only.	<code>on off (on)</code>

Option	Description	Value (default)
<code>cf.quickloop.enable</code>	Enables or disables variables set on a cluster node. Same value is required in partner.	<code>on off</code>
<code>cf.takeover.detection.seconds</code>	Sets number of seconds partner node in a cluster can go without responding before local node takes over.	5 to 180 (20)
<code>cf.takeover.on_failure</code>	Controls whether a filer takes over its partner automatically when the partner fails. When off, automatic takeover is disabled.	<code>on off (on)</code>
<code>cf.takeover.on_panic</code>	Controls whether a filer takes over its partner when the partner panics.	<code>on off (off)</code>
<code>cifs.audit.autosave.file.extension</code>	Specifies the type of extension for automatically saved event files.	<code>counter timestamp</code>
<code>cifs.audit.autosave.limit</code>	Specifies the maximum number of event files that can be saved automatically.	1 to 999
<code>cifs.audit.autosave.onsize.enable</code>	Enables or disables automatic saves based on the size of the internal log file.	<code>on off (off)</code>
<code>cifs.audit.autosave.onsize.threshold</code>	Specifies the size threshold at which the internal log file is automatically saved.	A number and unit of measure (75%)
<code>cifs.audit.autosave.ontime.enable</code>	Enables or disables automatic saves of the internal log file based on a time interval.	<code>on off (off)</code>
<code>cifs.audit.autosave.ontime.interval</code>	Specifies a time interval for automatically saving the internal log file.	A number and unit of measure (12h)
<code>cifs.audit.enable</code> [4]	Enables or disables the processing of CIFS access logging information.	<code>on off (off)</code>
<code>cifs.audit.file_access_events.enable</code> [4]	Enables or disables the processing of CIFS file access logging information.	<code>on off (on)</code>

Option	Description	Value (default)
cifs.audit.logon_events.enable [4]	Enables or disables the processing of CIFS logon and logoff access logging information.	on off (on)
cifs.audit.logsize [4]	Specifies the maximum size of the CIFS audit log file.	524288 to 68719476736 (524288)
cifs.audit.saveas [4]	Specifies the CIFS active event log file.	A file name (/etc/log/ adtlog.evt)
cifs.bypass_traverse_checking [4]	Enables or disables the need for directories to have 'X' (traverse) permission in the path to a file. This option does not apply in UNIX qtrees.	on off (on)
cifs.comment [4]	Defines the CIFS server description.	A text string (" ")
cifs.guest_account [4]	Enables a CIFS user who is not in a trusted domain to log on without having an account.	Account name (" ")
cifs.home_dir_namestyle [4]	Specifies or displays how the name portion of the path to a user's home directory is determined.	" " ntname mapped domain (" ")
cifs.homedirs_public_for_admin	Specifies whether members of the filer's Builtin\ Administrators group can connect to the CIFS home directories of other users by specifying the share <i>~username</i> .	on off (on)
cifs.idle_timeout [4]	Specifies the number of seconds that elapse before the filer disconnects an idle session.	600 to 4000000 (1800)
cifs.max_mpx [4]	Specifies the number of simultaneous pending I/O operations the filer can process. Approved values are 126, 253, and 1124.	126 253 1124 (50)
cifs.netbios_aliases [4]	Specifies alternative names for the filer.	Comma-separated list of names (" ")

Option	Description	Value (default)
<code>cifs.netbios_over_tcp.enable</code> [4]	Enables or disables the use of NetBIOS over TCP.	on off (on)
<code>cifs.nfs_root_ignore_acl</code> [4]	Enables or disables ACLs to affect root access from NFS.	on off (off)
<code>cifs.oplocks.enable</code> [4]	Enables or disables CIFS clients to use oplock (opportunistic lock) file caching on a filer.	on off (on)
<code>cifs.oplocks.opendelta</code> [4]	Delays the sending of an oplock break in milliseconds. Do not set higher than 35 msec without consulting NetApp Technical Support.	An integer in milliseconds (8)
<code>cifs.per_client_stats.enable</code>	Enables or disables the gathering of statistics on a per-client basis. Allows use of the <code>cifs top</code> and <code>cifs stat -u</code> and <code>-h</code> commands.	on off (off)
<code>cifs.perm_check_ro_del_ok</code> [4]	Enables or disables the deletion of a file with the DOS read-only bit set.	on off (off)
<code>cifs.perm_check_use_gid</code> [4]	Enables or disables the checking of files with UNIX security if the requestor of the file is not the owner.	on off (on)
<code>cifs.restrict_anonymous.enable</code> [4]	Enables or disables nonauthenticated sessions to enumerate shares and groups.	on off (on)
<code>cifs.save_case</code> [4]	Enables or disables the forcing of all created file names to lowercase.	on off (on)
<code>cifs.scopeid</code> [4]	Specifies a second element (case-sensitive) for a single-element NetBIOS computer name.	A text string (" ")
<code>cifs.search_domains</code> [4]	Specifies a list of trusted domains to use when user mapping is performed.	Comma-separated list that is searched in order (" ")

Option	Description	Value (default)
<code>cifs.show_snapshot [4]</code>	Enables or disables the display of the <i>snapshot</i> directory.	on off (off)
<code>cifs.shutdown_msg_level [4]</code>	Specifies whether CIFS termination broadcasts are sent to no clients, to sessions with open files, or to all open connections.	0 1 2 (2)
<code>cifs.sidcache.enable [4]</code>	Enables or disables CIFS caching of SID-to-name translation information that is received from domain controllers.	on off (on)
<code>cifs.sidcache.lifetime [4]</code>	Specifies, in minutes, how long a SID-to-name cache entry is used before it becomes stale.	An integer (1440)
<code>cifs.snapshot_file_folding.enable [4]</code>	Enables or disables CIFS attempts to minimize disk usage by folding files on close with previous snapshot versions of themselves.	on off (off)
<code>cifs.symlinks.cycleguard [4]</code>	When On, if an object being accessed by a CIFS client is a symbolic link, prevents the following of a symbolic link that resolves to a directory that is directly above the symbolic link's parent directory.	on off (on)
<code>cifs.symlinks.enable [4]</code>	Enables or disables the filer to follow the symbolic link if an object being accessed by a CIFS client is a symbolic link.	on off (on)
<code>cifs.trace_login [4]</code>	Enables or disables logging of login-related activities.	on off (off)
<code>cifs.wins_servers</code>	Displays a list of WINS servers specified during CIFS setup.	no default
<code>cksum_offload.gbeII</code>	Specifies whether calculation of TCP and UDP checksums is offloaded to network interface cards.	on off (on) (Before Data ONTAP 6.2, the default was off)

Option	Description	Value (default)
<code>console.encoding</code>	Specifies how non-ASCII character information is presented on the console.	<code>nfs sgml utf8</code> (<code>nfs</code>)
<code>coredump.cf.dump_partner_nvram</code>	Controls whether a failed partner's nvram data is dumped to core. Same value is required in <code>local+</code> partner.	<code>on off</code> (<code>off</code>)
<code>coredump.metadata_only</code>	Controls whether metadata is the only data dumped to core.	<code>on off</code> (<code>on</code>)
<code>dafs.auth_none.enable</code>	Enables or disables the omission of DAFS security authentication.	<code>on off</code> (<code>off</code>)
<code>dafs.batch_parallel</code>	Sets the number of batches allowed to run in parallel	number (25)
<code>dafs.checksums.enable</code>	Enables or disables the use of DAFS-level checksums for DAFS requests and responses.	<code>on off</code> (<code>off</code>)
<code>dafs.default_gid</code>	Sets the default numeric group ID used when DAFS client credentials are supplied as <code>CRED_DEFAULT</code> or <code>AUTH_DEFAULT</code> .	An integer (100)
<code>dafs.default_uid</code>	Sets the default numeric user ID used when DAFS client credentials are supplied as <code>CRED_DEFAULT</code> or <code>AUTH_DEFAULT</code> .	An integer (100)
<code>dafs.enable</code>	Enables or disables starting the DAFS server on a filer.	<code>on off</code> (<code>off</code>)
<code>dafs.idle_timeout</code>	Specifies the number of seconds a DAFS session can be idle before it can be disconnected by the filer.	0 to 65535 (7200)

Option	Description	Value (default)
<code>dafs.max_disconnected_sessions</code>	Specifies the maximum number of abnormally disconnected client sessions that the DAFS server saves until recovery.	An integer (32)
<code>dafs.max_pending_requests_server</code>	Specifies the maximum number of pending DAFS requests.	An integer (256)
<code>dafs.max_request_size</code>	Specifies the maximum size of a request buffer that a single session can request during session negotiation.	An integer (69632)
<code>dafs.max_requests</code>	Specifies the maximum number of concurrent DAFS requests that a single session can request during session negotiation.	An integer (50)
<code>dafs.max_requests_server</code>	Specifies the maximum number of requests that the DAFS server can attempt to execute concurrently.	An integer (1024)
<code>dafs.max_response_size</code>	Specifies the maximum size of a response buffer that a single session can request during session negotiation.	An integer (69632)
<code>dafs.num_requestd</code>	Specifies the default number of DAFS request-processing servers to start for each VI NIC.	An integer (2)
<code>dafs.percent.memory</code>	Specifies the percentage of main memory DAFS is allowed to cache.	percent (10)
<code>dafs.session_reuse_threshold</code>	Sets the minimum number of seconds a DAFS session must be idle before it becomes eligible for disconnection to reclaim resources needed for other active sessions.	Number of seconds (600)

Option	Description	Value (default)
<code>dns.cache.enable</code>	Determines whether the DNS cache is used when looking up names. Turning it off flushes the DNS cache.	<code>on off</code> (<code>on</code>)
<code>dns.domainname</code> [1] [4]	Specifies the DNS domain name.	Domain name (<code>" "</code>)
<code>dns.cache.enable</code>	Determines whether the DNS cache is used when looking up names	<code>on off</code> (<code>on</code>)
<code>dns.enable</code> [1] [4]	Enables or disables the DNS client.	<code>on off</code> (<code>off</code>)
<code>fcp.enable</code> [1] [4]	Enables or disables FCP service.	<code>on off</code> (<code>off</code>)
<code>fpolicy.enable</code>	Enables or disables all file policies.	<code>on off</code> (<code>on</code>)
<code>ftpd.anonymous.enable</code>	Enables or disables anonymous users' ability to log in.	<code>on off</code> (<code>off</code>)
<code>ftpd.anonymous.home_dir</code>	Specifies the home directory of the anonymous user.	Path name (<code>/vol/vol10/home/ftp</code>)
<code>ftpd.anonymous.name</code>	Specifies the login name for the anonymous user.	User name (<code>anonymous</code>)
<code>ftpd.auth_style</code>	Specifies the ftpd login authentication style.	<code>ntlm unix mixed</code> (<code>mixed</code>)
<code>ftpd.dir restriction</code>	Sets user home directory restriction to be one of <code>none</code> , <code>homedir</code> or a specific path.	<code>none homedir path</code> (<code>none</code>)
<code>ftpd.enable</code>	Enables or disables FTP access to the filer.	<code>on off</code> (<code>off</code>)
<code>ftpd.idle_timeout</code>	Specifies the amount of time an FTP session can be idle before the filer can disconnect it.	<code>0 to 12h</code> (<code>900s</code>)
<code>ftpd.max_connections</code>	Specifies the maximum number of concurrent connections.	An integer (<code>1000</code>)
<code>ftpd.tcp_window_size</code>	Specifies the TCP window size.	An integer (<code>8760</code>)
<code>httpd.access</code>	Restricts HTTP access to the filer.	<code>host if all none legacy * -</code> (<code>legacy</code>)

Option	Description	Value (default)
httpd.admin.access	Restricts HTTP access to FilerView®.	host if all none legacy * - (legacy)
httpd.admin.enable	Enables or disables HTTP-based administration, including FilerView.	on off (on)
httpd.admin.hostsequiv.enable	Enables or disables the use of /etc/hosts.equiv for administrative HTTP authentication.	on off (on)
httpd.autoindex.enable	Enables or disables the filer to automatically generate a list of directories that do not have an index file.	on off (on)
httpd.enable	Enables or disables HTTP access to the filer.	on off (off)
httpd.log.format [1]	Specifies the log format.	common alt1 (common)
httpd.log.max_file_size	Specifies the number of bytes the HTTP log file, /etc/log/httpd.log, can grow to. The maximum value is 2147483647.	An integer (2147483647)
httpd.rootdir	Specifies the HTTP root directory.	Path name (XXX)
httpd.timeout [1]	Specifies the minimum number of seconds before idle HTTP connections time out.	An integer (300)
httpd.timewait.enable [1]	Enables or disables the filer to put HTTP connections that have been closed by the client in the TIME_WAIT state for one minute.	on off (off)
ip.fastpath.enable	Enables or disables filer attempts to use MAC address and interface caching.	on off (on)
ip.ipsec.enable	Enables or disables the IPsec security authentication and encryption protocol.	on off (off)

Option	Description	Value (default)
<code>ip.match_any_ifaddr [1]</code>	Enables or disables the filer to accept any packet that is addressed to it, even if that packet came in on the wrong interface. If vfiler units are licensed, the default value is Off.	on off (on)
<code>ip.path_mtu_discovery.enable [1]</code>	Enables or disables MTU discovery used by TCP.	on off (on)
<code>ip.ping_throttle.alarm_interval</code>	Specifies the how often dropped pings will be syslogged in minutes.	Number of minutes (0)
<code>ip.ping_throttle.drop_level</code>	Specifies maximum number of ICMP echo or echo reply (ping) packets the filer accepts per second.	Number of seconds (10)
<code>ip.tcp.newreno.enable</code>	Enables or disables the use of the NewReno modification to TCP's fast recovery Algorithm (described in RFC 2582).	on off (on)
<code>ip.tcp.sack.enable</code>	Enables or disables use of the Selective Acknowledgement TCP option.	on off (on)
<code>iscsi.enable</code>	Enables or disables iSCSI service on a filer.	on off (off)
<code>ldap.basedn</code>	Specifies the base distinguished name to be used for all queries.	"string" Example: "cn=my company name, cn=uk"
<code>ldap.enable</code>	Enables or disables lookup of UIDs and GIDs.	on off (off)
<code>ldap.name admin_user_name</code>	Specifies the name of an administrator. (Required by LDAP).	anonymous
<code>ldap.passwd admin_password</code>	Specifies a password for the administrator. (Required by LDAP).	anonymous
<code>ldap.port port_name</code>	Specifies the port to use for LDAP queries.	389
<code>ldap.servers servername1 [servername2] ...</code>	Tells the filer what servers to use for LDAP queries.	ServerName ... (none)

Option	Description	Value (default)
<code>ldap.servers.preferred</code> <code>servernameA [servernameB]</code> ...	Tells the filer what servers to check first (because they are faster) for LDAP queries.	<i>ServerName</i> ... (none)
<code>locking.grace_lease_seconds</code>	Specifies the grace period for clients to reclaim file locks after a server failure.	An integer (45)
<code>ndmpd.access</code>	Restricts access to NDMP operations based on the hostname or IP address.	<code>host if all</code> <code> none </code> <code>legacy * -</code> (all)
<code>ndmpd.authtype</code>	Controls which authentication methods the filer will accept. Prior to Data ONTAP 6.4, challenge was MD5 and plaintext was text.	<code>challenge </code> <code>plaintext</code> (challenge)
<code>ndmpd.connectlog.enabled</code>	Allows NDMP to track all NDMP connection events for security purposes.	<code>on off</code> (on)
<code>ndmpd.enable</code>	Enables or disables NDMP access to the filer.	<code>on off</code> (off)
<code>ndmpd.preferred_interface</code>	Enables or disables specifying the network interface used when an NDMP data connection to another filer or tape server is made.	<code>enable </code> <code>disable</code> (disable)
<code>nfs.kerberos.file_keytab.enable</code>	Enables or disables the use of a file-based keytab (in <code>/etc/krb5.keytab</code>) to support a UNIX-style KDC.	<code>on off</code> (off)
<code>nfs.kerberos.principal</code>	Specifies the host specific part of a server's kerberos principal name.	String (none)
<code>nfs.kerberos.realm</code>	Specifies the realm specific part of a server's kerberos principal name.	String (none)
<code>nfs.mount_rootonly [4]</code>	Enables or disables only the root to use privileged ports to mount from the filer.	<code>on off</code> (on)

Option	Description	Value (default)
<code>nfs.per_client_stats.enable</code> [1] [4]	Enables or disables per-client statistics in the <code>nfsstat</code> displays.	<code>on off</code> (off)
<code>nfs.require_valid_mapped_uid</code> [4]	Forces NFS requests to use the <code>/etc/usermap.cfg</code> map including files with UNIX-style security.	<code>on off</code> (off)
<code>nfs.tcp.enable</code> [4]	Enables or disables NFS over TCP.	<code>on off</code> (off)
<code>nfs.upd.enable</code>	Enables or disables the ability to use the UDP protocol.	<code>on off</code> (on)
<code>nfs.udp.xfersize</code> [4]	Specifies the maximum transfer size used by the NFS mount protocol when the filer negotiates with the client for UDP transport.	An integer (32768)
<code>nfs.v2.df_2gb_lim</code> [1] [4]	Enables or disables the filer to reply to the “file system statistics” NFS requests that show no more than 2 GB on the file system.	<code>on off</code> (off)
<code>nfs.v3.enable</code> [1] [4]	Enables or disables NFS version 3.	<code>on off</code> (on)
<code>nfs.v4.enable</code> [1] [4]	Enables or disables NFS version 4.	<code>on off</code> (off)
<code>nfs.v4.id.domain</code>	Specifies the user ID domain to be used for NFSv4 user ID mapping.	Domain name
<code>nfs.webnfs.enable</code> [4]	Enables or disables WebNFS lookups.	<code>on off</code> (off)
<code>nfs.webnfs.rootdir</code> [4]	Specifies the root, or public, directory for WebNFS.	Path name (XXX)
<code>nfs.webnfs.rootdir.set</code> [4]	Enables or disables the <code>nfs.webnfs.rootdir</code> setting to take effect.	<code>on off</code> (off)
<code>nis.domainname</code> [1] [4]	Specifies the NIS domain name.	Domain name (" ")
<code>nis.enable</code> [1] [4]	Enables or disables NIS.	<code>on off</code> (off)
<code>nis.group_update.enable</code> [1] [4]	Enables or disables the local caching of the NIS group files.	<code>on off</code> (off)

Option	Description	Value (default)
<code>nis.group_update.schedule</code> [1] [4]	Specifies the hours of the day, from 1 to 24, when the local NIS group cache is updated.	Comma-separated list of hours (24)
<code>nis.servers</code> [1] [4]	Specifies the list of preferred NIS servers.	* comma-separated list of IP addresses or host names (*)
<code>pcnfsd.enable</code> [1] [4]	Enables or disables the (PC) NFS daemon.	on off (off)
<code>pcnfsd.umask</code> [4]	Specifies the permission mask, in octal numbers, for files created by an NFS client.	A three-digit octal number (022)
<code>raid.reconstruct.perf_impact</code>	Specifies the filer performance impact of RAID reconstruction.	low medium high (medium)
<code>raid.resync.perf_impact</code>	Specifies the filer performance impact of RAID mirror resynchronization.	low medium high (medium)
<code>raid.scrub.duration</code>	Specifies the duration of automatically started scrubs. If set to 0, scrub duration is 360 minutes. If set to -1, scrubs run to completion.	0 -1 (0)
<code>raid.scrub.enable</code>	Enables or disables RAID scrubbing.	on off (on)
<code>raid.scrub.perf_impact</code>	Specifies the filer performance impact of RAID scrubbing.	low medium high (low)
<code>raid.timeout</code> [1]	Specifies the number of hours that the filer runs after a single-disk failure.	1 to x (24)
<code>raid.verify.perf_impact</code>	Specifies the filer performance impact of RAID mirror verification.	low medium high (low)
<code>rmc.setup</code> [4]	Enables or disables hourly checking of the remote management controller (if it has LAN settings).	on off (on)
<code>rsh.access</code> [4]	Restricts rsh access to the filer.	host if all none legacy * -(legacy)

Option	Description	Value (default)
rsh.enable [4]	Enables or disables the rsh server on the filer.	on off (on)
security.passwd.rules.enable [4]	Enables or disables a check for minimum-length and password composition when new passwords are specified.	on off (on)
snapmirror.access	Specifies SnapMirror destination filers that can initiate transfers and network interfaces that can be used for transfers.	host if all none legacy * -(legacy)
snapmirror.checkip.enable	Enables or disables IP-address-based verification of SnapMirror destination filers by source filers.	on off (off)
snapmirror.delayed_acks.enable	Enables or disables TCP/IP delayed acknowledgements.	on off (on)
snapmirror.enable	Enables or disables the SnapMirror feature. SnapMirror must be licensed.	on off (off)
snapmirror.log.enable	Specifies whether SnapMirror activity is logged to the SnapMirror log.	on off (on)
snapvault.access	Restricts SnapVault access to the SnapVault server.	host if all none legacy * -(none)
snapvault.enable	Enables or disables the SnapVault feature. SnapVault must be licensed.	on off (on)
snmp.access	Restricts SNMP access to the filer.	host if all none legacy * -(legacy)
snmp.enable [2]	Enables or disables the SNMP server on the filer.	on off (on)
ssh.access	Restricts ssh access to the filer.	host if all none legacy * -(*)
ssh.enable	Enables or disables the SSH 2.0 protocol on the filer.	on off (off)

Option	Description	Value (default)
<code>ssh.passwd_auth.enable</code>	Enables or disables password authentication on the ssh server.	on off (on)
<code>ssh.pubkey_auth.enable</code>	Enables or disables public key authentication on the ssh server.	on off (on)
<code>ssh1.enable</code>	Enables or disables the SSH 1.x protocol on the filer.	on off (off)
<code>ssh2.enable</code>	Enables or disables the SSH 2.0 protocol on the filer.	on off (off)
<code>tape.persistent_reservations</code>	Enables or disables SCSI-persistent reservations for Fibre Channel-attached tape drives and medium changers.	on off (off)
<code>telnet.access</code>	Restricts Telnet access to the filer.	host if all none legacy * -(legacy)
<code>telnet.enable [2]</code>	Enables or disables the Telnet server on the filer.	on off (on)
<code>tftpd.enable</code>	Enables or disables the TFTP server on the filer.	on off (off)
<code>tftpd.logging</code>	Enables or disables console logging of accesses for files over TFTP.	on off (off)
<code>tftpd.rootdir</code>	Specifies the TFTP root directory.	Path name (/etc/tftpboot)
<code>timed.auto_adjust</code>	Controls whether the filer automatically tries to correct the internal time keeping to reduce the need to apply time corrections from other sources	on off (off)
<code>timed.enable [3]</code>	Enables or disables synchronization between the filer and a time server.	on off (off)
<code>timed.log [3]</code>	Enables or disables whether time changes initiated by <code>timed</code> are logged the console.	on off (off)

Option	Description	Value (default)
<code>timed.max_skew [3]</code>	Specifies the maximum discrepancy between the time reported by the time server and the filer's time when synchronizing.	Time, in seconds (s), minutes (m), hours (h) (30m)
<code>timed.min_skew [3]</code>	Specifies the minimum discrepancy between the time reported by the time server and the filer's time when synchronizing. This option only applies when <code>timed.proto</code> is set to <code>sntp</code> or <code>rtc</code> .	Time, in milliseconds (m) (50)
<code>timed.proto [3]</code>	Specifies the protocol used to synchronize time.	<code>rdate ntp (ntp)</code>
<code>timed.sched [3]</code>	Specifies the <code>timed</code> synchronization schedule.	<code>hourly multihourly daily n{m h}</code> (hourly)
<code>timed.servers [3]</code>	Specifies up to five time servers, in contact order.	Comma-separated ordered list of host addresses (" ")
<code>timed.window</code>	Specifies a window around the synchronization time set by <code>timed.sched</code> .	0 seconds to 10% of <code>timed.sched</code> (0s)
<code>trusted.hosts [2]</code>	Specifies up to five clients that can access the filer by Telnet, Remote Shell (<code>rsh</code>), and the FilerView interface.	Comma-separated list of host names * (all hosts) - (no host) (*)
<code>vol.copy.throttle [1]</code>	Specifies default speed for all <code>vol copy</code> operations, in tenths of full speed.	0 to 10 (10)
<code>waf1.default_nt_user [4]</code>	Specifies the Windows NT user account to use when a UNIX user (with no explicit mapping from UNIX to NT) accesses a file with NT security. If blank, accesses are denied.	User account (" ")
<code>waf1.default_security_style</code>	Specifies the default security style assigned to new volumes.	<code>unix ntfs mixed (unix)</code>

Option	Description	Value (default)
<code>waf1.default_unix_user</code> [4]	Specifies the default UNIX user account to use when a Windows NT user (with no explicit mapping from NT to UNIX) accesses a file with UNIX security. If blank, accesses are denied.	User account (pcuser)
<code>waf1.nt_admin_priv_map_to_root</code> [4]	Enables or disables mapping of a Windows NT administrator to UNIX root.	on off (on)
<code>waf1.root_only_chown</code> [1]	Enables or disables the change of file ownership by root only.	on off (on)
<code>waf1.wcc_minutes_valid</code> [1] [4]	Specifies the number of minutes a WAFL credential cache entry is valid.	1 to 20160 (20)

[1] List of options for which the value might be overwritten in a takeover.

[2] List of options for which the same value is required on both partners in a cluster.

[3] List of options for which the same value is recommended on both filers in a cluster.

[4] List of options recognized by a vfiler unit.

Options to the vol options command

The following table lists options to the `vol options` command. The syntax of the `vol options` command is `vol options vol-name option-name [option-val]`. To specify or to change a value for a volume, specify the volume name, the option name, and the desired value as arguments.

Option	Description	Value (default)
<code>convert_unicode</code>	If On, enables conversion to Unicode format.	on off (off)
<code>create_reserved</code>	When On, specifies that any files created in the volume are created with fill and overwrite reservations.	on off (off)
<code>create_unicode</code>	If On, enables creation of Unicode format.	on off (off)
<code>fs_size_fixed</code>	If On, causes the file system to remain the same size when a SnapMirror relationship is broken, or when a <code>vol add</code> command is performed on it. This option is automatically set to On when a volume becomes a SnapMirror destination volume.	on off (off)
<code>maxdirsize</code>	Specifies the maximum size of a directory on <i>vol-name</i> .	4 KB to 65536 KB (10240 KB)
<code>minra</code>	If On, causes the filer to perform only minimal read ahead on <i>vol-name</i> .	on off (off)
<code>no_atime_update</code>	If On, prevents the update of the access time on an inode in <i>vol-name</i> when a file is read.	on off (off)
<code>nosnap</code>	If On, disables automatic snapshots on <i>vol-name</i> .	on off (off)
<code>nosnapdir</code>	If On, disables the visible snapshot directory at the client mount point of <i>vol-name</i> and disables access to all other snapshot directories on <i>vol-name</i> .	on off (off)
<code>nvfail</code>	If On, the filer performs additional status checking at boot time to verify that the NVRAM is in a valid state.	on off (off)
<code>raid_type</code>	Changes volume <i>vol-name</i> to <i>raid_type new-type</i> .	<i>vol-name new-type</i> = {RAID 4}
<code>raidsize</code>	Specifies the maximum size of a new RAID group in <i>vol-name</i> .	2 to 28 inclusive (8)
<code>resyncsnaptime</code>	Specifies the frequency (in minutes) at which the <code>mirror_resync</code> base snapshot is regenerated.	An integer (60)

Option	Description	Value (default)
<code>root</code>	Specifies that volume <i>vol-name</i> will be the new root volume following a reboot.	This option does not have a default value.
<code>snapmirrored</code>	Specifies that the <i>vol-name</i> volume is used as a SnapMirror destination and is in read-only mode. This option can be turned on only by an initial SnapMirror transfer or SnapMirror resynchronization, and turned off by either the <code>vol options</code> command or the <code>snapmirror break</code> command.	<code>on off</code> (<code>off</code>)

