

Aggregate Commands	
aggr create <i>aggrname</i> [-f] [-m] [-n] [-t <i>raidtype</i>] [-r <i>raidsz</i>] [-T <i>disktype</i>] [-R <i>rpm</i>] [-L] [-v] [-i <i>language_code</i>] { <i>ndisks</i> [@ <i>size</i>] [-d <i>disk1</i> [<i>disk2</i> ...] [-d <i>diskn</i> [<i>diskn+1</i> ...]] }	Creates a new aggregate named <i>aggrname</i> . Example: aggr create aggr1 -r 10 20 Creates an aggregate named aggr1 with 20 disks and a RAID group that can contain up to 10 disks.
aggr status { <i>aggrname</i> } [-r] [-v] [-d] [-c] [-b] [-s] [-f] [-i]	Displays the status of one or all aggregates on the storage system.
aggr add <i>aggrname</i> [-f] [-n] [-g <i>raidgroup</i>] { <i>ndisks</i> [@ <i>size</i>] [-d <i>disk1</i> [<i>disk2</i> ...] [-d <i>diskn</i> [<i>diskn+1</i> ...]] }	Adds disks to the aggregate named <i>aggrname</i> .
aggr destroy { <i>aggrname</i> <i>plexname</i> } [-f]	Destroys the aggregate named <i>aggrname</i> , or the plex named <i>plexname</i> .
aggr offline { <i>aggrname</i> <i>plexname</i> } [-t <i>cifsdelaytime</i>]	Brings the specified aggregate or plex offline.
aggr online { <i>aggrname</i> <i>plexname</i> } [-f]	Brings the specified aggregate or plex online.
aggr copy start [-S -s <i>snapshot</i>] <i>source destination</i>	Copies all data, including Snapshot™ copies and FlexVol volumes, from one aggregate to another.
aggr copy { <i>abort</i> <i>status</i> <i>throttles</i> } <i>operation_number</i> [value] all	Terminates, displays, and controls the performance of the aggregate copy operations.
aggr mirror <i>aggrname</i> [-f] [-n] [-v <i>victim_aggrname</i>] [-d <i>disk1</i> [<i>disk2</i> ...]]	Turns an unmirrored aggregate into a mirrored aggregate by adding a plex to it.
aggr options <i>aggrname</i> [<i>optname optval</i>] fs_size_fixed on off ignore_inconsistent on off nosnap on off <i>raidsz number</i> <i>raidtype</i> <i>raid4</i> <i>raid_dp</i> <i>raid0</i> <i>resyncsnaptime number</i> <i>root</i> <i>snaplock_compliance</i> <i>snaplock_enterprise</i> <i>snapmirrored</i> off <i>snapshot_autodelete</i> on off	Displays the options that have been set for aggregate <i>aggrname</i> , or sets the option named <i>optname</i> of the aggregate named <i>aggrname</i> to the value <i>optval</i> .
aggr undestroy [-n] { <i>aggrname</i> }	Undestroy a previously destroyed aggregate.
aggr rename <i>aggrname newname</i>	Renames the aggregate named <i>aggrname</i> to <i>newname</i> .
aggr verify start stop status suspend resume [<i>aggrname</i>] [-n]	Starts, stops, displays, suspends, or resumes RAID mirror verification on the specified aggregate, or, if no aggregate name is given, on aggregates currently undergoing RAID mirror verification.
Space and Snapshot Management Commands	
df [-i] [-r] [-s] [-h] [-k] [-m] [-g] [-t] [-A] [-V] [-L] [<i>pathname</i> <i>aggrname</i>]	Displays statistics about the amount of free disk space in one or all volumes or aggregates. If the -A option is used, <i>aggrname</i> free space is shown. The -r option displays the amount of reserved space in the aggregate or volume.
snap list [-A] [-V] [-n] [[-q] [<i>volname</i>] -o [<i>qtree_path</i>]] snap create delete [-A] [-V] <i>volname name</i> snap delta [-A] [-V] [<i>volname</i> [<i>snap</i>] [<i>snap</i>]] snap reclaimable <i>volname snap</i> snap rename [-A] [-V] <i>volname old-snapshot-name new-snapshot-name</i> snap reserve [-A] [-V] [<i>volname</i> [%]] snap restore [-A] [-V] [-f] [-t <i>vol</i> <i>file</i>] [-s <i>snapshot_name</i>] [-r <i>restore_as_path</i>] <i>volname</i> <i>restore_from_path</i> snap sched [-A] [-V] [<i>volname</i> [<i>weeks</i> [<i>days</i> [<i>hours</i> [@ <i>list</i>]]]]] snap autodelete <i>volname</i> [<i>on</i> <i>off</i> <i>show</i> <i>reset help</i>] snap autodelete <i>volname option value</i>	Manages or creates Snapshot copies. The -A and -V options specify whether the command operates on the Snapshot copy of an aggregate (-A) or a volume (-V). The default is a Snapshot copy of a volume.

Many of these commands are available through FilerView® (http://filer1Paddr.x.x.x/na_admin)

Traditional Volume and FlexVol® Commands	
vol create <i>flexvolname</i> [-i <i>language_code</i>] [-s <i>none</i> <i>file</i> <i>volume</i>] <i>aggrname size</i> [-S <i>originfiler</i> : <i>sourcevol</i>]	Creates either a FlexVol volume or a traditional volume. In the first syntax, a FlexVol volume named <i>flexvolname</i> is created in the storage provided by aggregate <i>aggrname</i> . The <i>size</i> argument specifies the size of the FlexVol volume being created. It is a number, optionally followed by k , m , g , or t , denoting kilobytes, megabytes, gigabytes, or terabytes respectively. If none of the above letters is used, the unit defaults to bytes (and is rounded up to the nearest 4 KB). FlexVol volumes can be as small as 20 MB. The -L flag creates a SnapLock™ (traditional) volume. The -S flag is used to create a FlexCache volume. Example: vol create vol1 aggr0 50g creates a 50-GB volume with the name vol1 in aggregate aggr0.
vol create <i>tradvolname</i> [-i <i>language_code</i>] [-f] [-n] [-m] [-L] [-t <i>raidtype</i>] [-r <i>raidsz</i>] [-R <i>rpm</i>] { <i>ndisks</i> [@ <i>size</i>] [-d <i>disk1</i> [<i>disk2</i> ...] [-d <i>diskn</i> [<i>diskn+1</i> ...]] }	
vol size <i>volname</i> [[+ -] <i>size</i>]	Sets or displays the given FlexVol volume's size, using space from the volume's containing aggregate.
vol status [<i>volname</i>] [-r] [-v] [-d] [-i] [-c] [-b] [-s] [-f]	Displays the status of one or all volumes on the storage system.
vol offline { <i>volname</i> <i>plexname</i> } [-t <i>cifsdelaytime</i>]	Brings the specified volume (or plex within a traditional volume) offline.
vol online { <i>volname</i> [-f] <i>plexname</i> }	Brings the specified volume (or plex within a traditional volume) online.
vol options <i>volname</i> [<i>optname optval</i>]	Displays the options that have been set for volume <i>volname</i> , or sets the option named <i>optname</i> of the volume named <i>volname</i> to the value <i>optval</i> .
vol add <i>volname</i> [-f] [-n] [-g <i>raidgroup</i>] { <i>ndisks</i> [@ <i>size</i>] [-d <i>disk1</i> [<i>disk2</i> ...] [-d <i>diskn</i> [<i>diskn+1</i> ...]] }	Adds the specified set of disks to the aggregate portion of the traditional volume named <i>volname</i> , and grows the user-visible file system portion of the traditional volume by that same amount of storage.
vol clone create <i>clone_vol</i> [-s <i>none</i> <i>file</i> <i>volume</i>] -b <i>parent_vol</i> [<i>parent_snap</i>]	Creates a FlexVol volume named <i>clone_vol</i> on the local storage system that is a FlexClone volume, backed by a FlexVol volume named <i>parent_vol</i> .
vol clone split start stop status estimate [<i>volname</i>]	Begins, stops, displays status, or estimates space requirements of separating FlexClone volume <i>volname</i> from its parent.
vol container <i>volname</i>	Displays the name of the aggregate that contains FlexVol volume <i>volname</i> .
vol copy start [-S -s <i>snapshot</i>] <i>source destination</i>	Copies all data, including Snapshots copies, from one volume to another.
vol copy status throttle abort [<i>operation_number</i>] [<i>value</i>]	Displays the status of, throttles, or aborts one or all active volume copy operations, if any.
vol destroy { <i>volname</i> <i>plexname</i> } [-f]	Destroys the specified volume (or plex within a traditional mirrored volume).
vol lang [<i>volname</i> [<i>language_code</i>]]	Displays or changes the character mapping on <i>volname</i> .
vol media_scrub status [<i>volname</i> <i>plexname</i> <i>groupname</i> -s <i>diskname</i>] [-v]	Prints the status of the media scrub on the named traditional volume, plex, RAID group, or spare drive.
vol mirror <i>volname</i> [-n] [-v <i>victim_volname</i>] [-f] [-d <i>disk1</i> [<i>disk2</i> ...]]	Mirrors the currently unmirrored traditional volume <i>volname</i> , either using the specified set of disks or using another unmirrored traditional volume <i>victim_volname</i> , which is destroyed in the process.
vol verify start stop resume status suspend [<i>volname</i>] [-n]	Start, stop, resume, get status on, or suspend RAID mirror verification on the named online, mirrored traditional volume.
Useful Resources	
For complete command information, see the Manual Page Reference or the man pages.	
NetApp on the Web (NOW) http://now.netapp.com	The definitive resource for support, documentation, software, and more for NetApp® products.

E-mail comments or feedback on this document to docomments@netapp.com

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