



Command map for 7-Mode administrators

ONTAP 7-Mode Transition

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Command Map for 7-Mode Administrators

This guide maps 7-Mode commands to their equivalents in ONTAP.

How 7-Mode commands map to ONTAP commands

You can use the tables provided to find the ONTAP equivalents of 7-Mode commands, with the exception of the options command.

The following tables list the ONTAP equivalents of the 7-Mode options command. Information about understanding these tables is also provided.

[Understanding the 7-Mode to clustered Data ONTAP command map](#)

A-E

A

7-Mode command	ONTAP command
acpadmin configure	system node run -node {nodename local} acpadmin configure
acpadmin list_all	system node run -node {nodename local} acpadmin list_all
acpadmin stats	system node run -node {nodename local} acpadmin stats
aggr add	aggr add aggr add-disks storage aggregate add-disks
aggr create	aggr create storage aggregate create
aggr destroy	aggr delete storage aggregate delete
aggr media_scrub	system node run -node {nodename local} aggr media_scrub

7-Mode command	ONTAP command
aggr offline	aggr offline storage aggregate offline
aggr online	aggr online storage aggregate online
aggr options	aggr modify storage aggregate {show modify}
aggr rename	aggr rename storage aggregate rename
aggr restrict	aggr restrict storage aggregate restrict
aggr scrub	aggr scrub storage aggregate scrub
aggr show_space	aggr show-space storage aggregate show-space
aggr status	aggr show storage aggregate show
aggr verify	system node run -node {nodename local} aggr verify
autosupport destinations	autosupport destinations system node autosupport destinations
autosupport history	autosupport history system node autosupport history

7-Mode command	ONTAP command
autosupport manifest	autosupport manifest system node autosupport manifest
autosupport trigger	autosupport trigger system node autosupport trigger

B

7-Mode command	ONTAP command
backup status	system node run -node {nodename} -command backup status
backup terminate	Not supported
bmc	Not supported
bmc reboot	Not supported
bmc status	Not supported
bmc test	Not supported

C

7-Mode command	ONTAP command
cdpd show-neighbors	system node run -node {nodename local} -command network device-discovery show
cdpd show-stats	system node run -node {nodename local} -command cdpd show-stats
cdpd zero stats	system node run -node {nodename local} -command cdpd zero-stats
cf disable	cf disable
cf enable	cf enable

7-Mode command	ONTAP command
cf forcegiveback	Not supported
cf forcetakeover	cf forcetakeover
cf giveback	cf giveback storage failover giveback
cf hw_assist	cf hwassist status storage failover hwassist show
cf monitor all	cf monitor all storage failover show -instance
cf partner	cf partner storage failover show -fields partner-name
cf rsrctbl	cf rsrctbl storage failover progress -table show
f status	cf status storage failover show
cf takeover	cf takeover storage failover takeover
charmap	vserver cifs character-mapping
cifs access	cifs access vserver cifs access
cifs branchcache	cifs branchcache vserver cifs branchcache

7-Mode command	ONTAP command
cifs changefilerpwd	cifs changefilerpwd vserver cifs changefilerpwd
cifs domaininfo	vserver cifs {show instance domain discovered-servers show -instance}
cifs gpresult	vserver cifs group-policy show-applied
cifs gpupdate	vserver cifs group-policy update
cifs homedir	vserver cifs home-directory
cifs nbalias	vserver cifs { add-netbios-aliases remove-netbios-aliases show -display-netbios-aliases }
cifs prefdc	vserver cifs domain preferred-dc
cifs restart	vserver cifs start
cifs sessions	vserver cifs sessions show
cifs setup	vserver cifs create
cifs shares	cifs shares vserver cifs share
cifs stat	statistics show -object cifs
cifs terminate	vserver cifs stop
cifs testdc	vserver cifs domain discovered-servers
cifs resetdc	cifs resetdc vserver cifs domain discovered-servers reset-servers
clone clear	Not supported
clone start	volume file clone create
clone stop	Not supported
clone status	volume file clone show

7-Mode command	ONTAP command
config clone	Not supported
config diff	Not supported
config dump	Not supported
config restore	Not supported
coredump	system node coredump

D

7-Mode command	ONTAP command
date	date { system cluster } date { show modify }
dcb priority	system node run -node <i>nodename</i> -command dcb priority
dcb priority show	system node run -node <i>nodename</i> -command dcb priority show
dcb show	system node run -node <i>nodename</i> -command dcb show
df	df
df [aggr name]	df -aggregate <i>aggregate-name</i>
df [path name]	df -filesystem-name <i>path- name</i>
df -A	df -A
df -g	df -g df -gigabyte
df -h	df -h df -autosize
df -i	df -i
df -k	df -k df -kilobyte
df -L	df -L df -flexcache
df -m	df -m df -megabyte

7-Mode command	ONTAP command
df -r	df -r
df -s	df -s
df -S	df -S
df -t	df -t df -terabyte
df -V	df -V df -volumes
df -x	df -x df -skip-snapshot-lines
disk assign	disk assign storage disk assign
disk encrypt	system node run -node <i>runnodename</i> -command disk encrypt
disk fail	disk fail storage disk fail
disk maint	disk maint {start abort status list } system node run -node { <i>nodename</i> local} -command disk maint {start abort status list }
disk remove	disk remove storage disk remove
disk replace	disk replace storage disk replace
disk sanitize	system node run -node <i>nodename</i> -command disk sanitize
disk scrub	storage aggregate scrub
disk show	storage disk show
disk simpull	system node run -node <i>nodename</i> -command disk simpull
disk simpush	system node run -node <i>nodename</i> -command disk simpush
disk zero spares	storage disk zerospares
disk_fw_update	system node image modify

7-Mode command	ONTAP command
dns info	dns show
download	system node image update
du [path name]	du -vserver <i>vservername</i> -path <i>pathname</i> volume file show-disk-usage -vserver <i>vserver_name</i> -path <i>pathname</i>
du -h	du -vserver <i>vservername</i> -path <i>pathname</i> -h volume file show-disk-usage -vserver <i>vserver_name</i> -path <i>pathname</i> -h
du -k	du -vserver <i>vservername</i> -path <i>pathname</i> -k volume file show-disk-usage -vserver <i>vserver_name</i> -path <i>pathname</i> -k
du -m	du -vserver <i>vservername</i> -path <i>pathname</i> -m volume file show-disk-usage -vserver <i>vserver_name</i> -path <i>pathname</i> -m
du -r	du -vserver <i>vservername</i> -path <i>pathname</i> -r volume file show-disk-usage -vserver <i>vserver_name</i> -path <i>pathname</i> -r
du -u	du -vserver <i>vservername</i> -path <i>pathname</i> -u volume file show-disk-usage -vserver <i>vserver_name</i> -path <i>pathname</i> -u
dump	Not supported You must initiate the backup by using NDMP as described in tape backup documentation. For dump-to-null functionality, you must set the NDMP environment variable DUMP_TO_NULL. Data protection using tape backup

E

7-Mode command	ONTAP command
echo	echo
ems event status	ems event status event status show
ems log dump	event log show -time <i>>time-interval</i>
ems log dump value	event log show

7-Mode command	ONTAP command
environment chassis	system node run -node { <i>nodename</i> local} -command environment chassis
environment status	system node run -node <i>nodename</i> -command environment status
environment shelf	Not supported You must use the “storage shelf” command set.
environment shelf_log	environment shelf_log system node run -node { <i>nodename</i> local} -command environment shelf_log
environment shelf_stats	system node run -node { <i>nodename</i> local} -command environment shelf_stats
environment shelf_power_status	Not supported You must use the “storage shelf” command set.
environment chassis	system node run -node { <i>nodename</i> local} -command environment chassis
environment chassis list-sensors	system node run -node { <i>nodename</i> local} environment sensors show
exportfs	vserver export policy [rule]
exportfs -f	vserver export-policy cache flush
exportfs -o	vserver export-policy rule
exportfs -p	vserver export policy rule
exportfs -q	vserver export policy [rule]

F-J

F

7-Mode command	ONTAP command
fcadmin config	system node run -node { <i>nodename</i> local} -command fcadmin config

7-Mode command	ONTAP command
fcadmin link_stats	system node run -node { <i>nodename</i> local} -command fcadmin link_stats
fcadmin fcal_stats	system node run -node { <i>nodename</i> local} -command fcadmin fcal_stats
fcadmin device_map	system node run -node { <i>nodename</i> local} -command fcadmin device_map
fcnic	Not supported
fcip config	network fcp adapter modify
fcip nameserver	fcip nameserver show vservers fcp nameserver show
fcip nodename	vservers fcp nodename
fcip ping	fcip ping-igroup show OR fcp ping-initiator show vservers fcp ping-igroup show OR vservers fcp ping-initiator show
fcip portname	fcip portname show vservers fcp portname show
fcip show	vservers fcp show
fcip start	fcip start vservers fcp start
fcip stats	fcip stats fcp adapter stats
fcip status	vservers fcp status
fcip stop	fcip stop vservers fcp stop
fcip topology	network fcp topology show OR vservers fcp topology show
fcip wwpn-alias	fcip wwpn-alias vservers fcp wwpn-alias
fcip zone	fcip zone show network fcp zone show
fcip dump	fcip adapter dump network fcp adapter dump

7-Mode command	ONTAP command
fcv reset	fcv adapter reset network fcv adapter reset
fcstat link_stats	system node run -node { <i>nodename</i> local} -command fcstat link_stats
fcstat fcal_stats	system node run -node { <i>nodename</i> local} -command fcstat fcal_stats
fcstat device_map	system node run -node { <i>nodename</i> local} -command fcstat device_map
file reservation	volume file reservation
filestats	Not supported
flexcache	volume flexcache
fpolicy	fpolicy vserver fpolicy
fsecurity show	vserver security file-directory show
fsecurity apply	vserver security file-directory apply
fsecurity status	vserver security file-directory job-show
fsecurity cancel	vserver security file-directory job-stop
fsecurity remove-guard	vserver security file-directory remove-slag
ftp	Not supported

H

7-Mode command	ONTAP command
halt	system node halt -node <i>nodename</i>
halt -f	system node halt inhibit -takeover true
halt -d	system node halt -dump true

7-Mode command	ONTAP command
help	?  You must type the question mark (?) symbol to execute this command in ONTAP.
hostname	hostname system hostname
httpstat	Not supportedYou must use the statistics command.

I

7-Mode command	ONTAP command
if_addr_filter_info	system node run -note <i>nodename</i> -command if_addr_filter_info
ifconfig	network interfacenetwork {interface port}
ifconfig -a	network interface show network {interface port} show
ifconfig alias	network interface create
ifconfig down	network interface modify -status-admin down
ifconfig flowcontrol	network port modify -flowcontrol-admin
ifconfig mediatype	network port modify {-duplex-admin -speed-admin}
ifconfig mtusize	network port modify -mtu
ifconfig netmask	network interface modify -netmask
ifconfig up	network interface modify -status-admin up
ifgrp create	network port ifgrp create
ifgrp add	network port ifgrp add -port
ifgrp delete	network port ifgrp remove-port
ifgrp destroy	network port ifgrp delete

7-Mode command	ONTAP command
ifgrp favor	For ONTAP 9 releases, create a failover group for the two ports using the network interface failover-groups create command. Then use the network interface modify command to set the favored home port with the -home-port option and set the -autorevert option to true.  Remove the ports from the ifgrp before adding them to the failover group. It is a best practice to use ports from different NICs. This practice also prevents EMS warnings regarding insufficient redundancy.
ifgrp nofavor	For ONTAP 9 releases, use the same procedure for failover groups.
ifgrp status	system node run -node { <i>nodename</i> local} -command ifgrp status
ifgrp stat	system node run -node { <i>nodename</i> local} -command ifstat <i>ifgrp-port</i>
ifgrp show	network port ifgrp show
ifinfo	system node run -node { <i>nodename</i> local} -command ifinfo
ifstat	system node run -node { <i>nodename</i> local} -command ifstat
igroup add	igroup add lun igroup add
igroup alua	lun igroup modify -alua
igroup bind	igroup bind lun igroup bind
igroup destroy	igroup delete lun igroup delete
igroup create	igroup create lun igroup create
igroup remove	igroup remove lun igroup remove
igroup rename	igroup rename lun igroup rename

7-Mode command	ONTAP command
igroup set	igrouplun igroup set
igroup show	igroup show lun igroup show
igroup set ostype	igroup modify -ostype
igroup unbind	igroup unbind lun igroup unbind
ipsec	Not supported
iscsi alias	iscsi createvserver iscsi create OR iscsi modify vserver iscsi modify
iscsi connection	iscsi connection vserver iscsi connection
iscsi initiator	iscsi initiator vserver iscsi initiator
iscsi interface	iscsi interface vserver iscsi interface
iscsi isns	iscsi isns vserver iscsi isns
iscsi portal	iscsi portal vserver iscsi portal
iscsi security	iscsi security vserver iscsi security
iscsi session	iscsi session vserver iscsi session
iscsi show	iscsi show vserver iscsi show
iscsi start	iscsi start vserver iscsi start
iscsi stats	statistics {start stop show} -object <i>object</i>  Available at the advanced privilege level.
iscsi stop	iscsi stop vserver iscsi stop

K-O

K

7-Mode command	ONTAP command
key_manager	system node run -node { <i>nodename</i> local} -command key_manager
keymgr	system node run -node { <i>nodename</i> local} -command keymgr For management interface keys, you must use the “security certificates” commands.

L

7-Mode command	ONTAP command
license	license show system license show
license add	license add system license add -license-code <i>V2_license_code</i>
license delete	license delete system license delete -package <i>package_name</i>
lock break	vserver locks break  Available at the advanced privilege level.
lock break -h host	vserver locks break -client-address <i>client-address</i>
lock break -net network	vserver locks break -client-address -type <i>ip address type</i>
lock break -o owner	vserver locks break -owner-id <i>owner-id</i>
lock break -p protocol	vserver locks break -protocol <i>protocol</i>
lock status	vserver locks show
lock status -h host	vserver locks show -client-address <i>client-address</i>

7-Mode command	ONTAP command
<code>lock status -o owner</code>	<code>vserver locks show -owner-id <i>owner id</i></code>
<code>lock status -p protocol</code>	<code>vserver locks show -protocol <i>protocol</i></code>
<code>logger</code>	<code>logger</code> <code>system node run -node {nodename local} -command logger</code>
<code>logout</code>	<code>exit</code>
<code>lun clone</code>	<code>volume file clone create</code>
<code>lun comment</code>	<code>lun comment</code>
<code>lun config_check</code>	Not supported
<code>lun create</code>	<code>lun create -vserver <i>vserver_name</i>*</code>
<code>lun destroy</code>	<code>lun delete</code>
<code>lun map</code>	<code>lun map -vserver <i>vserver_name</i></code>
<code>lun maxsize</code>	<code>lun maxsize</code>
<code>lun move</code>	<code>lun move</code>
<code>lun offline</code>	<code>lun modify -state offline</code>
<code>lun online</code>	<code>lun modify -state online</code>
<code>lun resize</code>	<code>lun resize</code>
<code>lun set</code>	<code>lun set</code>
<code>lun setup</code>	<code>lun create</code>
<code>lun share</code>	Not supported
<code>lun show</code>	<code>lun show</code>

7-Mode command	ONTAP command
<code>lun snap</code>	Not supported
<code>lun stats</code>	statistics show -object lun  Available at the advanced privilege level.
<code>lun unmap</code>	<code>lun unmap</code>

M

7-Mode command	ONTAP command
<code>man</code>	<code>man</code>
<code>maxfiles</code>	<code>vol modify -max-number-of-files</code> OR <code>vol -fields files</code>
<code>mt</code>	Not supported You must use the storage tape command set.

N

7-Mode command	ONTAP command
<code>nbtstat</code>	<code>vserver cifs nbtstat</code>
<code>ndmpd</code>	<code>{system server} services ndmp</code>
<code>ndmpcopy</code>	<code>system node run -node {nodename local} ndmpcopy</code>
<code>ndmpd on</code>	ndmpd on <code>system services ndmpd on</code>
<code>ndmpd off</code>	ndmpd off <code>system services ndmpd off</code>
<code>ndmpd status</code>	<code>{system vserver} services ndmp status</code>
<code>ndmpd probe</code>	<code>{system vserver} services ndmp probe</code>
<code>ndmpd kill</code>	<code>{system vserver} services ndmp kill</code>
<code>ndmpd killall</code>	<code>{system vserver} services ndmp kill-all</code>

7-Mode command	ONTAP command
ndmpd password	{system vserver} services ndmp password
ndmpd version	{system vserver} services ndmp version
ndp	system node run -node { <i>nodename</i> local} keymgr
netdiag	Not supportedYou must use the network interface or netstat commands.
netsat	system node run node <i>nodename</i> command netstat
network interface failover	network interface show -failover
network port vlan modify	Not supported
nfs off	nfs off vserver nfs off
nfs on	nfs on vserver nfs on
nfs setup	vserver nfs create OR vserver setup
nfs stat	statistics {start stop show} -object nfs*
nfs status	vserver nfs status
nfs vstorage	vserver nfs modify -vstorage
nfsstat	statistics show -object nfs*

O

7-Mode command	ONTAP command
orouted	Not supported

P-T

P

7-Mode command	ONTAP command
partner	Not supported

7-Mode command	ONTAP command
passwd	security login password
perf report -t	statistics {start stop show} -object perf
ping {host}	network ping {-node <i>nodename</i> -lif <i>lif-name</i> } -destination
ping {count}	network ping {-node <i>nodename</i> -lif <i>lif-name</i> } -count
ping -l interface	network ping -lif <i>lif-name</i>
ping -v	network ping -node { <i>nodename</i> -lif <i>lif-name</i> } -verbose
ping -s	network ping -node { <i>nodename</i> -lif <i>lif-name</i> } -show -detail
ping -R	network ping -node { <i>nodename</i> -lif <i>lif-name</i> } -record -route
pktt delete	system node run -node { <i>nodename</i> local} pktt delete
pktt dump	system node run -node { <i>nodename</i> local} pktt dump
pktt list	system node run -node { <i>nodename</i> local} pktt list
pktt pause	system node run -node { <i>nodename</i> local} pktt pause
pktt start	system node run -node { <i>nodename</i> local} pktt start
pktt status	system node run -node { <i>nodename</i> local} pktt status
pktt stop	system node run -node { <i>nodename</i> local} pktt stop
portset add	portset add lun portset add
portset create	portset create lun portset create
portset delete	portset delete lun portset delete
portset remove	portset remove lun portset remove
portset show	portset show lun portset show

7-Mode command	ONTAP command
priority hybrid-cache default	Not supported
priority hybrid-cache set	volume modify -volume <i>volume_name</i> -vserver <i>vserver_name</i> -caching-policy <i>policy_name</i>
priority hybrid-cache show	volume show -volume <i>volume_name</i> -vserver <i>vserver_name</i> -fields caching -policy
priv set	set -privilege

Q

7-Mode command	ONTAP command
qtree create	qtree create volume qtree create
qtree oplocks	qtree oplocks volume qtree oplocks
qtree security	qtree security volume qtree security
qtree status	qtree show volume qtree show
qtree stats	qtree statisticsvolume qtree statistics
quota allow	quota modify -state volume quota modify -state on
quota disallow	quota modify -statevolume quota modify -state off
quota off	quota off volume quota off
quota on	quota on volume quota on
quota report	quota report volume quota report
quota resize	quota resize volume quota resize
quota status	quota show volume quota show
quota logmsg	volume quota show -fields logging, logging -interval

R

7-Mode command	ONTAP command
radius	Not supported
rdate	Not supported
rdfile	Not supported
reallocate off	reallocate off
reallocate measure	reallocate measure
reallocate on	reallocate on
reallocate quiesce	reallocate quiesce
reallocate restart	reallocate restart
reallocate schedule	reallocate schedule
reallocate start	reallocate start
reallocate status	reallocate show
reallocate stop	reallocate stop
reboot	reboot system node reboot -node <i>nodename</i>
reboot -d	reboot -d system node reboot -dump true -node <i>nodename</i>
reboot -f	reboot -f reboot -inhibit-takeover true -node <i>nodename</i>
restore	Not supported You must initiate the restore by using NDMP as described in tape backup documentation. Data protection using tape backup

7-Mode command	ONTAP command
restore_backup	system node restore-backup  Available at the advanced privilege level.
revert_to	system node revert-to node <i>nodename</i> -version
rlm	Not supported
route add	route add network route create
route delete	route delete network route delete
route -s	route show network route show  The network routing-groups command family is deprecated in ONTAP 9 and no longer supported beginning with 9.4.

S

7-Mode command	ONTAP command
sasadmin adapter_state	system node run -node {nodename local} -command sasadmin adapter_state
sasadmin channels	system node run -node {nodename local} -command sasadmin channels
sasadmin dev_stats	system node run -node {nodename local} -command sasadmin dev_stats
sasadmin expander	system node run -node {nodename local} -command sasadmin expander
sasadmin expander_map	system node run -node {nodename local} -command sasadmin expander_map

7-Mode command	ONTAP command
<code>sasadmin expander_phy_state</code>	<code>system node run -node {nodename local} -command sasadmin expander_phy_state</code>
<code>sasadmin shelf</code>	<code>storage shelf</code>
<code>sasadmin shelf_short</code>	<code>storage shelf</code>
<code>sasstat dev_stats</code>	<code>system node run -node {nodename local} -command sasstat dev_stats</code>
<code>sasstat adapter_state</code>	<code>system node run -node {nodename local} -command sasstat adapter_state</code>
<code>sasstat expander</code>	<code>system shelf show -port</code>
<code>sasstat expander_map</code>	<code>storage shelf show -module</code>
<code>sasstat expander_phy_state</code>	<code>system node run -node {nodename local} sasstat expander_phy_state</code>
<code>sasstat shelf</code>	<code>storage shelf</code>
<code>savecore</code>	<code>system node coredump save-all</code>
<code>savecore -i</code>	<code>system node coredump config show -i</code>
<code>savecore -l</code>	<code>system node coredump show</code>
<code>savecore -s</code>	<code>system node coredump status</code>
<code>*savecore -*w</code>	Not supported
<code>savecore -k</code>	<code>system node coredump delete-all -type unsaved-kernel</code>
<code>sectrace add</code>	<code>vserver security trace create</code>
<code>sectrace delete</code>	<code>vserver security trace delete</code>
<code>sectrace show</code>	<code>vserver security trace filter show</code>

7-Mode command	ONTAP command
<code>sectrace print-status</code>	<code>vserver security trace trace-result show</code>
<code>secureadmin addcert</code>	<code>security certificate install</code>
<code>secureadmin disable ssh</code>	<code>security login modify</code>
<code>secureadmin disable ssl</code>	<code>security ssl modify</code>
<code>secureadmin enable ssl</code>	<code>security ssl modify</code>
<code>secureadmin setup</code>	<code>security</code>
<code>secureadmin setup ssh</code>	<code>security ssh {add modify}</code>
<code>secureadmin setup ssl</code>	<code>security ssl {add modify}</code>
<code>secureadmin enable ssh</code>	<code>security login modify</code>
<code>secureadmin status ssh</code>	<code>security login show</code>
<code>secureadmin status ssl</code>	<code>security ssl show</code>
<code>setup</code>	Not supported
<code>shelfchk</code>	<code>security ssh {add modify}</code>
<code>showfh</code>	<code>security ssl {add modify}</code>
<code>sis config</code>	<code>security login modify</code>
<code>sis off</code>	<code>security login show</code>
<code>sis on</code>	<code>security ssl show</code>
<code>sis revert_to</code>	Not supported
<code>sis start</code>	<code>showfh</code> <code>volume file show-filehandle</code>

7-Mode command	ONTAP command
sis stop	sis off volume efficiency off
smtape	sis on volume efficiency on
snap autodelete	sis policy
snap create	sis revert_to volume efficiency revert-to  Available at the advanced privilege level.
snap delete	snap delete volume snapshot delete
snap delta	Not supported
snap list	snap show volume snapshot show
snap reclaimable	volume snapshot compute -reclaimable  Available at the advanced privilege level.
snap rename	snap rename volume snapshot rename
snap reserve	volume {modify show} --fields percent-snapshot-space --volume <i>volume-name</i> storage aggregate {modify show} --fields percent-snapshot-space --aggregate <i>aggregate-name</i>

7-Mode command	ONTAP command
<code>snap restore</code>	<code>snap restore</code> <code>volume snapshot restore</code>  Available at the advanced privilege level.
<code>snap sched</code>	<code>volume snapshot policy</code>
<code>snap reclaimable</code>	<code>volume snapshot compute-reclaimable</code>  Available at the advanced privilege level.
<code>snapmirror abort</code>	<code>snapmirror abort</code>
<code>snapmirror break</code>	<code>snapmirror break</code>
<code>snapmirror destinations</code>	<code>snapmirror list-destinations</code>
<code>snapmirror initialize</code>	<code>snapmirror initialize</code>
<code>snapmirror migrate</code>	Not supported
<code>snapmirror off</code>	Not supported
<code>snapmirror on</code>	Not supported
<code>snapmirror quiesce</code>	<code>snapmirror quiesce</code>
<code>snapmirror release</code>	<code>snapmirror release</code>
<code>snapmirror resume</code>	<code>snapmirror resume</code>
<code>snapmirror resync</code>	<code>snapmirror resync</code>
<code>snapmirror status</code>	<code>snapmirror show</code>
<code>snapmirror throttle</code>	Not supported
<code>snapmirror update</code>	<code>snapmirror update</code>

7-Mode command	ONTAP command
<code>snmp authtrap</code>	<code>snmp authtrap</code>
<code>snmp community</code>	<code>snmp community</code>
<code>snmp contact</code>	<code>snmp contact</code>
<code>snmp init</code>	<code>snmp init</code>
<code>snmp location</code>	<code>snmp location</code>
<code>snmp traphost</code>	<code>snmp traphost</code>
<code>snmp traps</code>	<code>event route show -snmp-support true</code>
<code>software delete</code>	<code>system node image package delete</code>
<code>software get</code>	<code>system node image get</code>
<code>software install</code>	<code>system node image update</code>
<code>software list</code>	<code>system node image package show</code>
<code>software update</code>	<code>system node image update</code>
<code>source</code>	Not supported
<code>sp reboot</code>	<code>system service-processor reboot-sp</code>
<code>sp setup</code>	<code>system service-processor network modify</code>
<code>sp status</code>	<code>system service-processor show</code>
<code>sp status -d</code>	<code>system node autosupport invoke-splog</code>
<code>sp status -v</code>	<code>system node autosupport invoke-splog</code>
<code>sp update</code>	<code>system service-processor image update</code>
<code>sp update-status</code>	<code>system service-processor image update-progress</code>

7-Mode command	ONTAP command
<code>statit</code>	<code>statistics {start stop show} -preset statit</code>
<code>stats</code>	<code>statistics {start stop show} -object object</code>  Available at the advanced privilege level.
<code>storage aggregate copy</code>	Not supported
<code>storage aggregate media_scrub</code>	<code>system node run -node nodename -command aggr media_scrub</code>
<code>storage aggregate snapshot</code>	Not supported
<code>storage aggregate split</code>	Not supported
<code>storage aggregate undestroy</code>	Not supported
<code>storage alias</code>	<code>storage tape alias set</code>
<code>storage array</code>	<code>storage array</code>
<code>storage array modify</code>	<code>storage array modify</code>
<code>storage array remove</code>	<code>storage array remove</code>
<code>storage array remove-port</code>	<code>storage array port remove</code>
<code>storage array show</code>	<code>storage array show</code>
<code>storage array show-config</code>	<code>storage array config show</code>
<code>storage array show luns</code>	Not supported
<code>storage array show-ports</code>	<code>storage array port show</code>
<code>storage disable adapter</code>	<code>system node run -node {nodename local} -command storage disable adapter</code>

7-Mode command	ONTAP command
<code>storage download acp</code>	<code>Storage shelf acp firmware update</code>
<code>storage download shelf</code>	<code>storage firmware download</code>  Available at the advanced privilege level.
<code>storage enable adapter</code>	<code>system node run -node {nodename local} -command storage enable adapter</code>
<code>storage load balance</code>	<code>storage load balance</code>
<code>storage load show</code>	<code>storage load show</code>
<code>storage show acp</code>	<code>system node run -node {nodename local} -command storage show acp</code>
<code>storage show adapter</code>	<code>system node run -node {nodename local} -command storage show adapter</code>
<code>storage show bridge</code>	<code>storage bridge show</code>
<code>storage show disk</code>	<code>storage show disk</code> <code>storage disk show</code>
<code>storage show expander</code>	<code>storage shelf</code>
<code>storage show fabric</code>	<code>system node run -node {nodename local} -command storage show fabric</code>
<code>storage show fault</code>	<code>system node run -node <i>nodename</i> -command storage show fault</code>
<code>storage show hub</code>	<code>system node run -node {nodename local} -command storage show hub</code>
<code>storage show initiators</code>	<code>system node run -node {nodename local} -command storage show initiators</code>
<code>storage show mc</code>	<code>storage tape show-media-changer</code>

7-Mode command	ONTAP command
<code>storage show port</code>	<code>storage switch</code>
<code>storage show shelf</code>	<code>storage shelf</code>
<code>storage show switch</code>	<code>storage switch show</code>
<code>storage show tape</code>	<code>storage tape show-tape-drive</code>
<code>storage stats tape</code>	<code>statistics show -object tape</code>
<code>storage stats tape zero</code>	<code>statistics {start stop show} -object tape</code>
<code>storage unalias</code>	<code>storage tape alias clear</code>
<code>sysconfig</code>	Not supported
<code>sysconfig -a</code>	<code>system node run -node {nodename local} -command sysconfig -a</code>
<code>sysconfig -A</code>	<code>system node run -node {nodename local} -command sysconfig -A</code>
<code>sysconfig -ac</code>	<code>system controller config show-errors -verbose</code>
<code>sysconfig -c</code>	<code>system controllers config-errors show</code>
<code>sysconfig -d</code>	<code>system node run -node {nodename local} -command sysconfig -d</code>
<code>sysconfig -D</code>	<code>system controller config pci show-add-on devices</code>
<code>sysconfig -h</code>	<code>system node run -node {nodename local} -command sysconfig -h</code>
<code>sysconfig -m</code>	<code>storage tape show-media-changer</code>
<code>syconfig -M</code>	<code>system node run -node {nodename local} -command sysconfig -M</code>

7-Mode command	ONTAP command
sysconfig -p	Not supported You must use the following commands as alternatives: • Hypervisor information: system node virtual-machine hypervisor show • System disks backing stores: system node virtual-machine instance show-system-disks • Virtual disks backing information: storage disk show -virtual-machine-disk-info
sysconfig -P	system controller config pci show-hierarchy
sysconfig -r	Not supported To view disk information, you must use the following commands: • File system disks: storage aggregate showstatus • Spare disks: storage aggregate show-sparkedisks • Broken disks: storage disk show -broken • Disks in the maintenance center: storage disk show -maintenance
sysconfig -t	storage tape show
sysconfig -v	system node run -node <i>nodename</i> -command sysconfig -v
sysconfig -V	system node run -node {nodename local} -command sysconfig -V
sysstat	statistics {start stop show} -preset sysstat  Available at the advanced privilege level.
system health alert	system health alert
system health autosupport	system health autosupport

7-Mode command	ONTAP command
<code>system health config</code>	<code>system health config</code>
<code>system health node-connectivity</code>	<code>system health node-connectivity</code>
<code>system health policy</code>	<code>system health policy</code>
<code>system health status</code>	<code>system health status</code>
<code>system health subsystem show</code>	<code>system health subsystem show</code>

T

7-Mode command	ONTAP command
<code>timezone</code>	<code>timezone</code>
<code>traceroute -m</code>	traceroute -m network traceroute { -node <i>nodename</i> -lif <i>lif-name</i> } -maxttl <i>integer</i>
<code>traceroute -n</code>	traceroute -n network traceroute -node { <i>nodename</i> -lif <i>lif-name</i> } -numeric true
<code>traceroute -p</code>	traceroute -p network traceroute { -node <i>nodename</i> -lif <i>lif-name</i> } --port <i>integer</i>
<code>traceroute -q</code>	traceroute -q network traceroute { -node <i>nodename</i> -lif <i>lif-name</i> } -nqueries <i>integer</i>
<code>traceroute -s</code>	Not supported
<code>traceroute -v</code>	traceroute -v network traceroute { -node <i>nodename</i> -lif <i>lif-name</i> } -verbose [true]

7-Mode command	ONTAP command
traceroute -w	traceroute -w network traceroute { -node <i>nodename</i> -lif <i>lif-name</i> } -waittime <i>integer</i>

U-Z

U

7-Mode command	ONTAP command
ucadmin	system node hardware unified-connect
ups	Not supported
uptime	system node show -fields uptime
useradmin domainuser add	security login create
useradmin domainuser delete	security login delete
useradmin domainuser list	security login show
useradmin domainuser load	Not supported Use "vserver cifs users-and-groups" command set.
useradmin group add	security login role create
useradmin group delete	security login role delete
useradmin group list	security login role show
useradmin group modify	security login role modify
useradmin role add	security login role create
useradmin role delete	security login role delete
useradmin role list	security login role show
useradmin role modify	security login role modify
useradmin user add	security login create

7-Mode command	ONTAP command
useradmin user delete	security login delete
useradmin user list	security login show
useradmin user modify	security login modify

V

7-Mode command	ONTAP command
version -b	version -b OR system image show
version -v	version -v OR system image show
vfiler	Not supported
vfiler run	vserver
vfiler start	vserver start
vfiler stop	vserver stop
vfiler status	vserver show
vfiler disallow	vserver modify -disallowed-protocols
vlan add	network port vlan create
vlan create	network port vlan create
vlan delete	network port vlan delete
vlan modify	Not supported
vlan stat	system node run -node <i>nodename</i> -command vlan stat
vmsservices	system node run -node { <i>nodename</i> local} vmsservices
volume add	Not supported

7-Mode command	ONTAP command
volume autosize	volume autosize
volume clone	volume clone
volume clone split	volume clone split
volume container	volume show -fields aggregate
volume copy	Not supported You must use one of the following methods as described in logical storage documentation: • Create a FlexClone volume of the original volume, then move the volume to another aggregate by using the volume move command. • Replicate the original volume using SnapMirror, then break the SnapMirror relationship to make a read-write volume copy. Logical Storage Management Guide
volume create	volume create
vol destroy	volume destroy
volume file fingerprint	Not supported
volume media_scrub	Not supported
volume migrate	Not supported
vol mirror	Not supported
volume move	volume move
volume offline	volume offline
volume online	volume online
volume options	volume {show modify}
volume quota allow	Not supported
volume quota disallow	Not supported

7-Mode command	ONTAP command
volume rename	volume rename
volume restrict	volume restrict
volume scrub	Not supported
volume size	volume size
volume snapshot delta	Not supported
volume snapshot reserve	Not supported Alternative commands include the following: • For volumes, use: the "volume show -fields percent-snapshot-space" and "volume modify -volume <i>volumename</i> -percent-snapshot-space <i>percent</i>" commands. • For aggregates, use the "storage aggregate show -fields percent-snapshot-space" and "storage aggregate modify -aggregate <i>aggregate name</i> -percent-snapshot-space <i>percent</i>" commands.
volume split	Not supported
volume status	volume show
volume verify	Not supported
volume wafiron	Not supported
vscan	vserver vscan
vserver cifs adupdate	Not supported
vserver cifs broadcast	Not supported
vserver cifs comment	Not supported
vserver cifs top	Not supported
vserver iscsi ip_tpgroup add	Not supported
vserver iscsi ip_tpgroup create	Not supported

7-Mode command	ONTAP command
vserver iscsi ip_tpgroup destroy	Not supported
vserver iscsi ip_tpgroup remove	Not supported
vserver iscsi ip_tpgroup show	Not supported
vserver iscsi tpgroup alua set	Not supported
vserver iscsi tpgroup alua show	Not supported
vserver services name-service dns flush	Not supported

W

7-Mode command	ONTAP command
wrfile	Not supported

Y

7-Mode command	ONTAP command
ypcat	Not supported
ypgroup	Not supported
ypmatch	Not supported
ypwhich	Not supported

How 7-Mode options map to ONTAP commands

In Data ONTAP operating in 7-Mode, you execute the `options` command to set configurable storage system software options. In ONTAP, you use command parameters to set these options. You can use the provided tables to view how 7-Mode commands map to ONTAP commands.

In the “7-Mode command” column, the base options command is not shown, for the sake of clarity. Where you see `acp.domain`, the actual long form of the command is `options acp.domain`.

The “Understanding the 7-Mode to clustered Data ONTAP command mapping” section contains information about how the tables in this chapter are organized.

[Understanding the 7-Mode to clustered Data ONTAP command mapping](#)

A-E

A

7-Mode option	Clustered Data ONTAP command
acp.domain	system node run -node {nodename local} options acp.domain
acp.enabled	system node run -node {nodename local} options acp.enabled
acp.netmask	system node run -node {nodename local} options acp.netmask
acp.port	system node run -node {nodename local} options acp.port
auditlog.enable	security audit
auditlog.max_file_size	Not supported
auditlog.readonly_api.enable	security audit
autologout.console.enable	system timeout modify -timeout
autologout.console.timeout	system timeout modify -timeout
autologout.telnet.enable	Not supported
autologout.telnet.timeout	Not supported
autosupport.cifs.verbose	Not supported
autosupport.content	system node autosupport modify -node <i>nodename</i> -remove -private -data {true false}
autosupport.doit	system node autosupport invoke -node <i>nodename</i> -type {all test}
autosupport.enable	system node autosupport modify -node <i>nodename</i> -state {enable disable}

7-Mode option	Clustered Data ONTAP command
autosupport.from	system node autosupport modify -node <i>nodename</i> -from
autosupport.local_collection	system node autosupport modify -node <i>nodename</i> -local-collection {true false}
autosupport.mailhost	system node autosupport modify -node <i>nodename</i> -mail-hosts
autosupport.max_http_size	system node autosupport modify -node <i>nodename</i> -max-http-size
autosupport.max_smtp_size	system node autosupport modify -node <i>nodename</i> -max-smtp-size
autosupport.minimal.subject.id	system node autosupport modify -node <i>nodename</i> -hostname-subj
autosupport.nht_data.enable (not in smf)	autosupport modify -nht system node autosupport modify -nht
autosupport.noteto	system node autosupport modify -node <i>nodename</i> -noteto
autosupport.partner.to	system node autosupport modify -node <i>nodename</i> -partner-address
autosupport.performance_data.doit	system node autosupport invoke -node <i>nodename</i> -type performance
autosupport.performance_data.enable	system node autosupport modify -node <i>nodename</i> -perf {true false}
autosupport.periodic.tx_window	system node autosupport modify -node <i>nodename</i> -periodic-tx-window
autosupport.retry.count	system node autosupport modify -node <i>nodename</i> -retry-count
autosupport.retry.interval	system node autosupport modify -node <i>nodename</i> -retry-interval

7-Mode option	Clustered Data ONTAP command
autosupport.support.enable	system node autosupport modify -node <i>nodename</i> -support {enable disable}
autosupport.support.proxy	system node autosupport modify -node <i>nodename</i> -proxy-url
autosupport.support.reminder	system node autosupport show -node <i>nodename</i> -fields reminder
autosupport.support.transport	system node autosupport modify -node <i>nodename</i> -transport {http https smtp}
autosupport.to	system node autosupport modify -node <i>nodename</i> -to
autosupport.validate_digital_certificate	system node autosupport modify -node <i>nodename</i> -validate-digital-certificate {true false}

B

7-Mode option	Clustered Data ONTAP command
backup.log.enable	Not supported

C

7-Mode option	Clustered Data ONTAP command
cdpd.enable	system node run -node {<i>nodename</i> local} options cdpd.enable
cdpd.holdtime	system node run -node {<i>nodename</i> local} options cdpd.holdtime
cdpd.interval	system node run -node {<i>nodename</i> local} options cdpd.interval
cf.giveback.auto.after.panic.takeover	storage failover modify -auto-giveback -after-panic
cf.giveback.auto.cancel.on_network_failure	Not supported

7-Mode option	Clustered Data ONTAP command
cf.giveback.auto.delay.seconds	storage failover modify -delay-seconds
cf.giveback.auto.enable	storage failover modify -auto-giveback
cf.hw_assist.enable	storage failover modify -hwassist
cf.hw_assist.partner.address	storage failover modify -hwassist -partner-ip
cf.hw_assist.partner.port	storage failover modify -hwassist -partner-port
cf.mode	storage failover modify -mode
cf.remote_syncmirror.enable	Not supported
cf.sfoaggr_maxtime	storage failover modify -aggregate -migration-timeout  Available at the advanced privilege level.
cf.takeover.change_fsid	Not supported
cf.takeover.detection.seconds	storage failover modify -detection-time
cf.takeover.on_disk_shelf_miscompare	Not supported
cf.takeover.on_failure	storage failover modify -onfailure  Available at the advanced privilege level.
cf.takeover.on_network_interface_failure	Not supported
cf.takeover.on_network_interface_failure.policy all_nics	Not supported
cf.takeover.on_panic	storage failover modify -onpanic
cf.takeover.on_reboot	storage failover modify -onreboot

7-Mode option	Clustered Data ONTAP command
cf.takeover.on_short_uptime	storage failover modify -onshort-uptime  Available at the advanced privilege level.
cifs.LMCompatibilityLevel	vserver cifs security modify -lm -compatibility-level
cifs.audit.autosave.file.extension	Not supported
cifs.audit.autosave.file.limit	vserver audit modify -rotate-limit
cifs.audit.autosave.onsize.enable	Not supported
cifs.audit.autosave.onsize.threshold	Not supported
cifs.audit.autosave.ontime.enable	Not supported
cifs.audit.autosave.ontime.interval	Not supported
cifs.audit.enable	vserver audit
cifs.audit.file_access_events.enable	vserver audit modify -events
cifs.audit.nfs.filter.filename	Not supported
cifs.audit.logon_events.enable	vserver audit modify -events cifs-logon-logoff
cifs.audit.logsize	Not supported
cifs.audit.nfs.enable	vserver audit modify -events file-ops
cifs.audit.nfs.filter.filename	Not supported
cifs.audit.saveas	vserver audit modify -destination
cifs.bypass_traverse_checking	vserver cifs users-and-groups privilege
cifs.comment	vserver cifs create -comment

7-Mode option	Clustered Data ONTAP command
cifs.enable_share_browsing	<code>vserver cifs share</code>
cifs.gpo.enable	<code>vserver cifs group-policy</code>
cifs.gpo.trace.enable	Not supported
cifs.grant_implicit_exe_perms	<code>vserver cifs options modify -read-grant -exec</code>
cifs.guest_account	Not supported
cifs.home_dir_namestyle	<code>vserver cifs share create</code>
cifs.home_dirs_public	<code>vserver cifs home-directory modify -is -home-dirs-access-for-public-enabled {true false}</code>  Available at the advanced privilege level.
cifs.home_dirs_public_for_admin	<code>vserver cifs home-directory modify -is -home-dirs-access-for-public -enabled{true false}</code>  Available at the advanced privilege level.
cifs.idle_timeout	<code>vserver cifs options modify -client -session-timeout</code>
cifs.ipv6.enable	Not supported
cifs.max_mpx	<code>vserver cifs options modify -max-mpx</code>
cifs.ms_snapshot_mode	Not supported
cifs.mapped_null_user_extra_group	<code>vserver cifs options modify -win-name -for-null-user</code>
cifs.netbios_over_tcp.enable	Not supported

7-Mode option	Clustered Data ONTAP command
cifs.nfs_root_ignore_acl	vserver nfs modify -ignore-nt-acl-for-root  Available at the advanced privilege level.
cifs.ntfs_ignore_unix_security_ops	vserver nfs modify -ntfs-unix-security-ops  Available at the advanced privilege level.
cifs.oplocks.enable	vserver cifs share properties add -share-properties
cifs.oplocks.opendelta*	Not supported
cifs.perm_check_ro_del_ok	vserver cifs options modify -is-read-only-delete-enabled
cifs.perm_check_use_gid	Not supported
cifs.restrict_anonymous	vserver cifs options modify -restrict-anonymous
cifs.save_case	Not supported
cifs.scopeid	Not supported
cifs.search_domains	vserver cifs domain name-mapping-search
cifs.show_dotfiles	is-hide-dotfiles-enabled
cifs.show_snapshot	vserver cifs share properties add -share-properties
cifs.shutdown_msg_level	Not supported
cifs.signing.enable	vserver cifs security modify -is-signing-required
cifs.smb2.client.enable	Not supported

7-Mode option	Clustered Data ONTAP command
cifs.smb2.durable_handle.enable	Not supported
cifs.smb2.durable_handle.timeout	Not supported
cifs.smb2.enable	vserver cifs options modify -smb2 -enabled
cifs.smb2.signing.required	vserver cifs security modify -is -signing-required
cifs.smb2_1.branch_cache.enable	vserver cifs share properties
cifs.smb2_1.branch_cache.hash_time_out	Not supported
cifs.snapshot_file_folding.enable	Not supported
cifs.symlinks.cycleguard	Not supported
cifs.symlinks.enable	vserver cifs share modify -symlink -properties
cifs.universal_nested_groups.enable	Not supported
cifs.W2K_password_change	vserver cifs domain password change
cifs.W2K_password_change_interval	vserver cifs domain password change schedule
cifs.W2K_password_change_within	vserver cifs domain password change schedule
cifs.widelink.ttl	Not supported
console.encoding	Not supported
coredump.dump.attempts	system node coredump config modify -coredump-attempts
coredump.metadata_only	system node coredump config modify -sparsecore-enabled true

D

7-Mode option	Clustered Data ONTAP command
disk.asup_on_mp_loss	system node autosupport trigger modify dsk.redun.fault
disk.auto_assign	storage disk option modify -autoassign
disk.auto_assign_shelf	storage disk option modify -autoassign -shelf
disk.maint_center.allowed_entries	Not supported
disk.maint_center.enable	system node run -node {nodename local} options disk.maint_center.enable
disk.maint_center.max_disks	system node run -node {nodename local} options disk.maint_center.max_disks
disk.maint_center.rec_allowed_entries	system node run -node {nodename local} options disk.maint_center.rec_allowed_entries
disk.maint_center.spares_check	system node run -node {nodename local} options disk.maint_center.spares_check
disk.powercycle.enable	system node run -node {nodename local} options disk.powercycle.enable
disk.recovery_needed.count	Not supported
disk.target_port.cmd_queue_depth	storage array modify -name array_name -max-queue-depth
dns.cache.enable	Not supported
dns.domainname	vserver services name-service dns modify -domains
dns.enable	vserver services name-service dns modify -state
dns.update.enable	Not supported
dns.update.ttl	Not supported

E

7-Mode option	Clustered Data ONTAP command
<code>ems.autosuppress.enable</code>	event config modify -suppression {on off}  Available at the advanced privilege level.

F-K

F

7-Mode option	Clustered Data ONTAP command
<code>fcp.enable</code>	fcp start
<code>flexcache.access</code>	Not supported
<code>flexcache.deleg.high_water</code>	Not supported
<code>flexcache.deleg.low_water</code>	Not supported
<code>flexcache.enable</code>	Not supported
<code>flexcache.per_client_stats</code>	Not supported
<code>flexscale.enable</code>	system node run -node <i>node_name</i> local} options flexscale.enable
<code>flexscale.lopri_blocks</code>	system node run -node <i>node_name</i> local} options flexscale.lopri_blocks
<code>flexscale.normal_data_blocks</code>	system node run -node <i>node_name</i> local} options flexscale.normal_data_blocks
<code>flexscale.pcs_high_res</code>	system node run -node <i>node_name</i> local} options flexscale.pcs_high_res
<code>flexscale.pcs_size</code>	system node run -node <i>node_name</i> local} options flexscale.pcs_size
<code>flexscale.rewarm</code>	system node run -node <i>node_name</i> local} options flexscale.rewarm

7-Mode option	Clustered Data ONTAP command
<code>fpolicy.enable</code>	<code>vserver fpolicy enable</code>
<code>fpolicy.i2p_ems_interval</code>	Not supported
<code>fpolicy.multiple_pipes</code>	Not supported
<code>ftpd.3way.enable</code>	Not supported
<code>ftpd.anonymous.enable</code>	Not supported
<code>ftpd.anonymous.home_dir</code>	Not supported
<code>ftpd.anonymous.name</code>	Not supported
<code>ftpd.auth_style</code>	Not supported
<code>ftpd.bypass_traverse_checking</code>	Not supported
<code>ftpd.dir.override</code>	Not supported
<code>ftpd.dir.restriction</code>	Not supported
<code>ftpd.enable</code>	Not supported
<code>ftpd.explicit.allow_secure_data_conn</code>	Not supported
<code>ftpd.explicit.enable</code>	Not supported
<code>ftpd.idle_timeout</code>	Not supported
<code>ftpd.implicit.enable</code>	Not supported
<code>ftpd.ipv6.enable</code>	Not supported
<code>ftpd.locking</code>	Not supported
<code>ftpd.log.enable</code>	Not supported
<code>ftpd.log.filesize</code>	Not supported

7-Mode option	Clustered Data ONTAP command
ftpd.log.nfiles	Not supported
ftpd.max_connections	Not supported
ftpd.max_connections_threshold	Not supported
ftpd.tcp_window_size	Not supported

H

7-Mode option	Clustered Data ONTAP command
httpd.access	Not supported
httpd.admin.access	Not supported
httpd.admin.enable	vserver services web modify -enabled{true false}
httpd.admin.hostsequiv.enable	Not supported
httpd.admin.max_connections	Not supported
httpd.admin.ssl.enable	security ssl
httpd.admin.top-page.authentication	Not supported
httpd.bypass_traverse_checking	Not supported
httpd.enable	Not supported
httpd.ipv6.enable	Not supported
httpd.log.format	Not supported
httpd.method.trace.enable	Not supported
httpd.rootdir	Not supported
httpd.timeout	Not supported

7-Mode option	Clustered Data ONTAP command
httpd.timewait.enable	Not supported

I

7-Mode option	Clustered Data ONTAP command
ifgrp.failover.link_degraded	Not supported
interface.blocked.cifs	network interface create -data-protocol
interface.blocked.iscsi	network interface create -data-protocol
interface.blocked.mgmt_data_traffic	network interface create -role
interface.blocked.ndmp	system services firewall policy modify -policy <i>policy_name</i> -service ndmp
interface.blocked.nfs	network interface create -data-protocol
interface.blocked.snapmirror	network interface create -role
ip.fastpath.enable	system node run -node <i>node_name</i> local} options ip.fastpath.enable  Beginning with ONTAP 9.2, fastpath is no longer supported.
ip.ipsec.enable	Not supported
ip.match_any_ifaddr	Not supported
ip.path_mtu_discovery.enable	system node run -node <i>node_name</i> local} options ip.path_mtu_discovery.enable
ip.ping_throttle.alarm_interval	system node run -node <i>node_name</i> local} options ip.ping_throttle.alarm_ <i>node_name</i> interval
ip.ping_throttle.drop_level	system node run -node local} options ip.ping_throttle.drop.level

7-Mode option	Clustered Data ONTAP command
ip.tcp.abc.enable	system node run -nodenode_name local} options ip.tcp.abc.enable
ip.tcp.abc.l_limit	system node run -nodenode_name local} options ip.tcp.abc.l_limit
ip.tcp.batching.enable	system node run -nodenode_name local} options ip.tcp.batching.enable
ip.tcp.newreno.enable	Not supported
ip.tcp.rfc3390.enable	system node run -nodenode_name local} options ip.tcp.rfc3390.enable
ip.tcp.sack.enable	system node run -nodenode_name local} options ip.tcp.sack.enable
ip.v6.enable	network options ipv6 modify
ip.v6.ra_enable	Not supported
iscsi.auth.radius.enable	Not supported
iscsi.enable	iscsi start
iscsi.max_connections_per_session	iscsi modify -max -conn-per-session
iscsi.max_error_recovery_level	iscsi modify -max-error-recovery-level

K

7-Mode option	Clustered Data ONTAP command
kerberos.file_keytab.principal	Not supported
kerberos.file_keytab.realmipal	Not supported

O-Q

L

7-Mode option	Clustered Data ONTAP command
ldap.ADdomain	vserver services name-service ldap client modify -ad-domain
ldap.base	vserver services name-service ldap client modify -base-dn
ldap.base.group	ldap client modify -group-dn ldap DN-group-scope  Available at the advanced privilege level.
ldap.base.netgroup	ldap client modify -netgroup-dn ldap DN-netgroup-scope  Available at the advanced privilege level.
ldap.base.passwd	vserver services ldap client modify -user-dn  Available at the advanced privilege level.
ldap.enable	vserver services name-service ldap modify
ldap.minimum_bind_level	vserver services name-service ldap client modify -min-bind-level
ldap.name	vserver services name-service ldap client modify -bind-dn
ldap.nssmap.attribute.gecos	ldap client schema modify -gecos -attribute  Available at the advanced privilege level.

7-Mode option	Clustered Data ONTAP command
ldap.nssmap.attribute.gidNumber	ldap client schema modify -gid-number -attribute  Available at the advanced privilege level.
ldap.nssmap.attribute.groupname	ldap client schema modify -cn-group -attribute  Available at the advanced privilege level.
ldap.nssmap.attribute.homeDirectory	ldap client schema modify -home -directory-attribute  Available at the advanced privilege level.
ldap.nssmap.attribute.loginShell	ldap client schema modify -login-shell -attribute  Available at the advanced privilege level.
ldap.nssmap.attribute.memberNisNetgroup	ldap client schema modify -member-nis -netgroup-attribute  Available at the advanced privilege level.
ldap.nssmap.attribute.memberUid	ldap client schema modify -member-uid -attribute  Available at the advanced privilege level.
ldap.nssmap.attribute.netgroupname	ldap client schema modify -cn-netgroup -attribute  Available at the advanced privilege level.

7-Mode option	Clustered Data ONTAP command
<code>ldap.nssmap.attribute.nisNetgroupTriple</code>	<code>ldap client schema modify -nis-netgroup-triple -attribute</code>  Available at the advanced privilege level.
<code>ldap.nssmap.attribute.uid</code>	<code>ldap client schema modify -uid -attribute</code>  Available at the advanced privilege level.
<code>ldap.nssmap.attribute.uidNumber</code>	<code>ldap client schema modify -uid-number -attribute</code>  Available at the advanced privilege level.
<code>ldap.nssmap.attribute.userPassword</code>	<code>ldap client schema modify -user -password-attribute</code>  Available at the advanced privilege level.
<code>ldap.nssmap.objectClass.nisNetgroup</code>	<code>ldap client schema modify -nis-netgroup -object-class</code>  Available at the advanced privilege level.
<code>ldap.nssmap.objectClass.posixAccount</code>	<code>ldap client schema modify -posix -account-object-class</code>  Available at the advanced privilege level.
<code>ldap.nssmap.objectClass.posixGroup</code>	<code>ldap client schema modify -posix-group -object-class</code>  Available at the advanced privilege level.

7-Mode option	Clustered Data ONTAP command
ldap.passwd	vserver services name-service ldap client modify-bind-password
ldap.port	vserver services name-service ldap client modify -port
ldap.servers	vserver services name-service ldap client modify -servers
ldap.servers.preferred	vserver services name-service ldap client modify -preferred-ad-servers
ldap.ssl.enable	Not supported
ldap.timeout	vserver services name-service ldap client modify -query-timeout
ldap.usermap.attribute.windowsaccount	ldap client schema modify -windows-account-attribute  Available at the advanced privilege level.
ldap.usermap.base	ldap client modify -user-dnldap DN-user-scope  Available at the advanced privilege level.
ldap.usermap.enable	Not supported
licensed_feature.fcp.enable	Not supported
licensed_feature.flex_clone.enable	Not supported
licensed_feature.flexcache_nfs.enable	Not supported
licensed_feature.iscsi.enable	Not supported
licensed_feature.multistore.enable	Not supported

7-Mode option	Clustered Data ONTAP command
licensed_feature.nearstore_option.enable	Not supported
licensed_feature.vld.enable	Not supported
locking.grace_lease_seconds	vserver nfs modify -v4-grace-seconds
lun.clone_restore	Not supported
lun.partner_unreachable.linux.asc	Not supported
lun.partner_unreachable.linux.ascq	Not supported
lun.partner_unreachable.linux.behavior	Not supported
lun.partner_unreachable.linux.hold_time	Not supported
lun.partner_unreachable.linux.scsi_status	Not supported
lun.partner_unreachable.linux.skey	Not supported
lun.partner_unreachable.vmware.behavior	Not supported
lun.partner_unreachable.vmware.hold_time	Not supported

N

7-Mode option	Clustered Data ONTAP command
ndmpd.abort_on_disk_error	options ndmpd.abort_on_disk_error  Available at the advanced privilege level.
ndmpd.access	system services firewall policy modify -policy * -service ndmp -allow-list
ndmpd.authtype	system services ndmpd modify -clear -text

7-Mode option	Clustered Data ONTAP command
ndmpd.connectlog.enabled	Not supported
ndmpd.data_port_range	Not supported
ndmpd.enable	Not supported
ndmpd.ignore_ctime.enabled	Not supported
ndmpd.maxversion	Not supported
ndmpd.offset_map.enable	Not supported
ndmpd.password_length	Not supported
ndmpd.preferred_interface	Not supported
ndmpd.tcpcnodelay.enable	Not supported
ndmpd.tcpwinsize	Not supported
nfs.assist.queue.limit	Not supported
nfs.authsys.extended_groups_ns.enable	<i>vserver nfs modify -auth-sys-extended -groups</i>  Available at the advanced privilege level.
nfs.export.allow_provisional_access	Not supported
nfs.export.auto-update	Not supported
nfs.export.exportfs_comment_on_delete	Not supported
nfs.export.harvest.timeout	Not supported
nfs.export.neg.timeout	Not supported
nfs.kerberos.enable	vserver nfs kerberos realm create
nfs.kerberos.file_keytab.enable	Not supported

7-Mode option	Clustered Data ONTAP command
nfs.kerberos.file_keytab.principal	vserver nfs kerberos realm create
nfs.kerberos.file_keytab.realm	vserver nfs kerberos realm create
nfs.max_num_aux_groups	vserver nfs \{ show modify \} -extended-groups-limit
nfs.mount_rootonly	vserver nfs modify -mount-rootonly
nfs.netgroup.strict	Not supported
nfs.nfs_rootonly	vserver nfs modify -nfs-rootonly
nfs.per_client_stats.enable	statistics settings modify -client stats  Available at the advanced privilege level.
nfs.require_valid_mapped_uid	vserver name-mapping create
nfs.response.trace	vserver nfs modify -trace-enabled  Available at the advanced privilege level.
nfs.response.trigger	vserver nfs modify -trigger  Available at the advanced privilege level.
nfs.rpcsec.ctx.high	nfs modify -rpcsec-ctx-high  Available at the advanced privilege level.
nfs.rpcsec.ctx.idle	nfs modify -rpcsec-ctx-idle  Available at the advanced privilege level.
nfs.tcp.enable	vserver nfs modify -tcp

7-Mode option	Clustered Data ONTAP command
nfs.thin_prov.ejuke	vserver nfs modify -enable-ejukebox  Available at the advanced privilege level.
nfs.udp.enable	vserver nfs modify -udp
nfs.udp.xfersize	vserver nfs modify -udp-max-xfer-size  Available at the advanced privilege level.
nfs.v2.df_2gb_lim	`Not supported
nfs.v2.enable	`Not supported
nfs.v3.enable	vserver nfs modify -v3
nfs.v4.acl.enable	*vserver nfs modify -v4.0-ac*1
nfs.v4.enable	vserver nfs modify -v4.0
nfs.v4.id.allow_numerics	vserver nfs modify -v4-numeric-ids
nfs.v4.id.domain	vserver nfs modify -v4-id-domain
nfs.v4.read_delegation	vserver nfs modify -v4.0-read-delegation
nfs.v4.write_delegation	vserver nfs modify -v4.0-write-delegation
nfs.vstorage.enable	vserver nfs modify -vstorage
nfs.webnfs.enable	Not supported
nfs.webnfs.rootdir	Not supported
nfs.webnfs.rootdir.set	Not supported

7-Mode option	Clustered Data ONTAP command
<code>nis.domainname</code>	<code>vserver services name-service nis-domain modify -domain</code>
<code>nis.enable</code>	<code>vserver services name-service nis-domain modify -active</code>
<code>nis.group_update.enable</code>	Not supported
<code>nis.group_update_schedule</code>	Not supported
<code>nis.netgroup.domain_search.enable</code>	Not supported
<code>nis.servers</code>	<code>vserver services name-service nis-domain modify -servers</code>
<code>nis.slave.enable</code>	Not supported
<code>nlm.cleanup.timeout</code>	Not supported

P

7-Mode option	Clustered Data ONTAP command
<code>pcnfsd.enable</code>	Not supported
<code>pcnfsd.umask</code>	Not supported

Q

7-Mode option	Clustered Data ONTAP command
<code>qos.classify.count_all_matches</code>	Not supported

R



All RAID options have 7-Mode-compatible nodeshell shortcuts of the form `options option_name`.

7-Mode option	Clustered Data ONTAP command
<code>raid</code>	<code>storage raid-options \{ modify show\}</code>

7-Mode option	Clustered Data ONTAP command
raid.background_disk_fw_update.enable	storage disk option modify -bkg -firmware-update
raid.disk.copy.auto.enable	storage raid-options modify -raid.disk.copy.auto.enable
raid.disk.timeout.enable	system node run -node {node_name local} options raid.disk.timeout.enable
raid.disktype.enable	Not supported
raid.disktype.enable	raid-options modify raid.lost_write.enable  Available at the advanced privilege level.
raid.lost_write.enable	storage raid-options \{ modify show \} -name raid.media_scrub.enable
raid.media_scrub.rate	storage raid-options \{ modify show \}-name raid.media_scrub.rate
raid.min_spare_count	storage raid-options \{ modify show \}-name raid.min_spare_count
raid.mix.hdd.disktype.capacity	storage raid-options \{ modify show \}-name raid.mix.hdd.disktype.capacity
raid.mix.hdd.disktype.performance	storage raid-options \{ modify show \}-name raid.mix.hdd.disktype.performance
raid.mix.hdd.rpm.capacity	storage raid-options \{ modify show \} -name raid.mix.hdd.rpm.capacity
raid.mix.hdd.rpm.performance	storage raid-options \{ modify show \} -name raid.mix.hdd.rpm.performance
raid.mirror_read_plex_pref	storage raid-options \{ modify show \}-name raid.mirror_read_plex_pref

7-Mode option	Clustered Data ONTAP command
raid.reconstruct.perf_impact	storage raid-options \{ modify show \}-name raid.reconstruct.perf_impact
raid.resync.perf_impact	storage raid-options \{ modify show \}-name raid.resync.perf_impact
raid.rpm.ata.enable	Not supported
raid.rpm.fcal.enable	Not supported
raid.scrub.duration	storage raid-options \{ modify show \}-name raid.scrub.duration
raid.scrub.perf_impact	storage raid-options \{ modify show \}-name raid.scrub.perf_impact
raid.scrub.schedule	storage raid-options \{ modify show \}-name raid.scrub.schedule
raid.timeout	storage raid-options \{ modify show \}-name raid.timeout
raid.verify.perf_impact	storage raid-options \{ modify show \}-name raid.verify.perf_impact
replication.logical.reserved_transfers	snapmirror set-options -xdp-source-xfer -reserve-pct
replication.throttle.enable	snapmirror modify -throttle
replication.volume.reserved_transfers	snapmirror set-options -dp-source-xfer -reserve-pct
replication.volume.use_auto_resync	Not supported
rpc.mountd.tcp.port	vserver nfs modify -mountd-port  Available at the advanced privilege level.

7-Mode option	Clustered Data ONTAP command
<code>rpc.mountd.udp.port</code>	<code>vserver nfs modify -mountd-port</code>  Available at the advanced privilege level.
<code>rpc.nlm.tcp.port</code>	<code>vserver nfs modify -nlm-port</code>  Available at the advanced privilege level.
<code>rpc.nlm.udp.port</code>	<code>vserver nfs modify -nlm-port</code>  Available at the advanced privilege level.
<code>rpc.nsm.tcp.port</code>	<code>vserver nfs modify -nsm-port</code>  Available at the advanced privilege level.
<code>rpc.nsm.udp.port</code>	<code>vserver nfs modify -nsm-port</code>  Available at the advanced privilege level.
<code>rpc.pcnfsd.tcp.port</code>	Not supported
<code>rpc.pcnfsd.udp.port</code>	Not supported
<code>rpc.rquotad.udp.port</code>	<code>vserver nfs modify -rquotad-port</code>  Available at the advanced privilege level.
<code>rquotad.enable</code>	<code>vserver nfs modify -rquota</code>
<code>rsh.access</code>	<code>system services firewall policy create -policy mgmt -service rsh -allow-list</code>
<code>rsh.enable</code>	<code>system services firewall policy create -policy mgmt -service rsh -allow-list</code>

S-Z

S

7-Mode option	Clustered Data ONTAP command
security.admin.authentication	security login modify
security.admin.nsswitchgroup	vserver modify
security.passwd.firstlogin.enable	security login role config modify
security.passwd.lockout.numtries	security login role config modify
security.passwd.rootaccess.enable	Not supported
security.passwd.rules.enable	security login role config modify
security.passwd.rules.everyone	security login role config modify
security.passwd.rules.history	security login role config modify
security.passwd.rules.maximum	security login role config modify
security.passwd.rules.minimum	security login role config modify
security.passwd.rules.minimum.alphabetic	Not supported
security.passwd.rules.minimum.digit	security login role config modify
security.passwd.rules.minimum.symbol	Not supported
sftp.auth_style	Not supported
sftp.dir_override	Not supported
sftp.dir_restriction	Not supported
sftp.enable	Not supported
sftp.idle_timeout	Not supported

7-Mode option	Clustered Data ONTAP command
sftp.locking	Not supported
sftp.log_enable	Not supported
sftp.log_filesize	Not supported
sftp.log_nfiles	Not supported
sftp.max_connections	Not supported
sftp.max_connections_threshold	Not supported
sftp.override_client_permissions	Not supported
sis.max_vfiler_active_ops	Not supported
snaplock.autocommit_period	Not supported
snaplock.compliance.write_verify	Not supported
snaplock.log.default_retention	Not supported
snaplock.log.maximum_size	Not supported
snapmirror.access	snapmirror create
snapmirror.checkip.enable	Not supported
snapmirror.cmode.suspend	snapmirror quiesce
snapmirror.delayed_acks.enable	Not supported
snapmirror.vsm.volread.smtape_enable	Not supported
snapvalidator.version	Not supported
snapvault.access	vserver peer
snapvault.enable	Not supported

7-Mode option	Clustered Data ONTAP command
snapvault.lockvault_log_volume	Not supported
snapvault.preservesnap	snapmirror policy
snapvault.snapshot_for_dr_backup	Not supported
snmp.access	system services firewall policy modify -policy <i>policy_name</i>-service snmp -allow -list
snmp.enable	Not supported
ssh.access	system services firewall policy modify -policy <i>_policy_name</i>-service ssh -allow -list
ssh.enable	system services firewall policy modify -policy <i>policy_name</i>-service ssh -allow -list
ssh.idle.timeout	Not supported
ssh.passwd_auth.enable	security login \{ show create delete \}-user-or-group-name <i>user_name</i> -application ssh -authmethod publickey -role <i>role_name</i> -vserver <i>vserver_name</i>
ssh.pubkey_auth.enable	security login modify -authmethod publickey
ssh1.enable	Not supported
ssh2.enable	Not supported
ssl.enable	security ssl modify -server -enabled
ssl.v2.enable	system services web modify -sslv2 -enabled
ssl.v3.enable	system services web modify -sslv3 -enabled

7-Mode option	Clustered Data ONTAP command
stats.archive.frequency_config	Not supported

T

7-Mode option	Clustered Data ONTAP command
tape.reservations	options tape.reservations
telnet.access	system services firewall policy create -policy mgmt -service telnet -allow -list
telnet.distinct.enable	Not supported
telnet.enable	system services firewall policy create -policy mgmt -service telnet -allow -list
tftpd.enable	Not supported
tftpd.logging	Not supported
tftpd.max_connections	Not supported
tftpd.rootdir	Not supported
timed.enable	system services ntp config modify -enabled
timed.log	Not supported
timed.max_skew	Not supported
timed.min_skew	Not supported
timed.proto	Not supported
timed.sched	Not supported
timed.servers	<i>cluster time-service ntp server</i>

7-Mode option	Clustered Data ONTAP command
timed.window	Not supported
trusted.hosts	Not supported

V

7-Mode option	Clustered Data ONTAP command
vol.move.cutover.cpu.busy.limit	Not supported
vol.move.cutover.disk.busy.limit	Not supported
vsm.smtape.concurrent.cascade.support	Not supported

W

7-Mode option	Clustered Data ONTAP command
wafl.default_nt_user	vserver nfs modify -default-win-user
wafl.default_unix_user	vserver cifs options modify -default -unix-user
wafl.inconsistent.asup_frequency.blks	system node run -node{node_name local} options wafl.inconsistent.asup_frequency.blks
wafl.inconsistent.asup_frequency.time	system node run -node{node_name local} options wafl.inconsistent.asup_frequency.time
wafl.inconsistent.ems_suppress	system node run -node{node_name local} options wafl.inconsistent.ems_suppress
wafl.maxdirsize	vol create -maxdir-size  Available at the advanced privilege level.
wafl.nt_admin_priv_map_to_root	vserver name-mapping create

7-Mode option	Clustered Data ONTAP command
<code>wafl.root_only_chown</code>	<code>vserver nfs modify -chown-mode</code>  Available at the advanced privilege level.
<code>wafl.wcc_minutes_valid</code>	Not supported
<code>webdav.enable</code>	Not supported

How 7-Mode configuration files map to clustered Data ONTAP commands

In Data ONTAP operating in 7-Mode, you typically use flat files to configure the storage system. In clustered Data ONTAP, you use configuration commands. You need to know how 7-Mode configuration files map to clustered Data ONTAP configuration commands.

7-Mode configuration file	Clustered Data ONTAP configuration command
<code>/etc/cifs_homedir.cfg</code>	<code>vserver cifs home-directory search-path</code>
<code>/etc/exports</code>	<code>vserver export-policy</code>
<code>/etc/hosts</code>	<code>vserver services dns hosts</code>
<code>/etc/hosts.equiv</code>	Not applicable. The <code>security login</code> commands create user access profiles.
<code>/etc/messages</code>	<code>event log show</code>
<code>/etc/motd</code>	<code>security login motd modify</code>
<code>/etc/nsswitch.conf</code>	<code>vserver modify</code>
<code>/etc/rc</code>	In clustered Data ONTAP, the retention of node configuration information processed at boot is transferred to other internal files that retain the configuration information. In Data ONTAP operating in 7-Mode, features configured in memory are also retained in the <code>/etc/rc</code> file to be replayed at boot and reconfigured.

7-Mode configuration file	Clustered Data ONTAP configuration command
/etc/quotas	volume quota
/etc/resolv.conf	vserver services dns modify
/etc/snapmirror.allow	Intercluster relationships exist between two clusters. Intracluster relationships exist between two nodes on the same cluster. Authentication of the remote cluster occurs during the creation of the cluster peering relationship. Intracluster <code>snapmirror create</code> commands can be performed only by the cluster administrator to enforce per storage virtual machine (SVM) security.
/etc/snapmirror.conf	snapmirror create
/etc/symlink.translations	vserver cifs symlink
/etc/usermap.cfg	vserver name-mapping create

How to interpret the clustered Data ONTAP commands, options, and configuration files maps for 7-Mode administrators

If you are moving from Data ONTAP running in 7-Mode to clustered Data ONTAP, you might find it handy to refer to the command maps, which show the clustered Data ONTAP equivalents of 7-Mode commands, options, and configuration files.

What mapping information is included

The Command Map for 7-Mode Administrators includes the following mappings of 7-Mode commands, options, and configuration files to their clustered Data ONTAP equivalents:

- [How 7-Mode commands map to clustered Data ONTAP commands](#)
- [How 7-Mode options map to clustered Data ONTAP commands](#)
- [How 7-Mode configuration files map to clustered Data ONTAP commands](#)

How to interpret 7-Mode-compatible shortcut commands

Although the Data ONTAP command-line interface (CLI) is significantly reorganized for cluster operations, many of the commands have 7-Mode-compatible shortcut versions that require no change to scripts or other automated tasks. These shortcut versions are listed first and in **bold** in the tables here. Shortcut versions that are not 7-Mode-compatible are listed next, followed by the full, long-form version of the commands:

7-Mode command	Clustered Data ONTAP command
aggr add	aggr add aggr add-disks storage aggregate add-disks

If no **bold** shortcut is listed, a 7-Mode-compatible version is not available. Not all forms of the commands are shown in the table. The CLI is extremely flexible, allowing multiple abbreviated forms.

Understanding the different clustered Data ONTAP shells for CLI commands

A cluster has three different shells for CLI commands:

- The *clustershell* is the native shell, started automatically when you log in to the cluster.

It provides all the commands you need to configure and manage the cluster.

- The *nodeshell* is a special shell that enables you to run a subset of 7-Mode commands.

These commands take effect only at the node level. You can switch from the clustershell to a nodeshell session to run nodeshell commands interactively, or you can run a single nodeshell command from the clustershell. You can recognize a command as a nodeshell command if it has the (long) form `system node run -node {nodename|local} commandname`.

- The *systemshell* is a low-level shell used only for diagnostic and troubleshooting purposes.

It is not intended for general administrative purposes. Access the systemshell only with guidance from technical support.

Switching to nodeshell

When you see a 7-Mode-compatible shortcut version of a nodeshell command, it is assumed that you are running the command from the nodeshell. To switch to the nodeshell, enter the following:

```
system node run -node {nodename|local}
```

Other forms of the `nodeshell` command must be run from the clustershell.

Where to go for more information

If you want to...	For more information...
Use clustershell commands	ONTAP 9 commands
Use nodeshell commands	Data ONTAP 8. 2 Commands: Manual Page Reference for 7-Mode, Volume 1

If you want to...	For more information...
Execute CLI commands, navigate CLI command directories, set values in the CLI, and use queries, patterns, and wildcards	System administration

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