

Data ONTAP® 8.1

7-Mode to Cluster-Mode Command Map

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Data ONTAP 8.1 7-Mode to Cluster-Mode command map

You need to know the Cluster-Mode command equivalents of the 7-Mode commands to effectively manage the systems with Data ONTAP operating in Cluster-Mode.

If you prefer to manage Data ONTAP using its CLI, NetApp provides library articles that are helpful for learning or reinforcing your knowledge of Cluster-Mode CLI. Search for *Data ONTAP 8.0 Cluster-Mode Administration Reference* at the [NetApp Support website](#). Specific sections of interest include:

- How to navigate CLI command directories
- How to specify values in the CLI
- How to use queries, patterns, and wildcards
- How to use extended queries

Short 7-Mode compatible or shortcut versions of commands are available for some Cluster-Mode commands. Not all the commands in Cluster-Mode are “7-Mode like” commands, but some of the most frequently used commands are similar to 7-Mode commands. This helps customers who are comfortable with and already know 7-Mode commands. Further, this feature can assist in allowing scripts or other automated tasks that rely on 7-Mode commands to function properly or require only minimal changes.

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A

Note: In the Cluster-Mode commands column in the following table, 7-Mode compatible versions are listed first in **boldface**. Shortcut versions, when available, are listed next. Finally, the full Cluster-Mode command is listed.

7-Mode command	Cluster-Mode commands
acpadmin configure	run {nodename} acpadmin configure system node run -node {nodename} acpadmin configure
acpadmin list_all	run {nodename} acpadmin list_all system node run -node {nodename} acpadmin list_all
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	run {nodename} aggr media_scrub system node run -node {nodename} aggr media_scrub
aggr offline	aggr offline storage aggregate offline
aggr online	aggr online storage aggregate online
aggr options	aggr modify storage aggregate 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	run {nodename} aggr show_space system node run -node {nodename} aggr show_space
aggr status	aggr show storage aggregate show

7-Mode command	Cluster-Mode commands
autosupport destinations	autosupport destinations system node autosupport destinations
autosupport history	autosupport history system node autosupport history
autosupport manifest	autosupport manifest system node autosupport manifest
autosupport trigger	autosupport trigger system node autosupport

B

7-Mode command	Cluster-Mode commands
backup status	run {nodename} backup status [<ID>] system node run -node {nodename} backup status [<ID>]
backup terminate	run {nodename} backup terminate [<ID>] system node run -node {nodename} backup terminate [<ID>]
bmc help	run {nodename} bmc help system node run -node {nodename} bmc help
bmc reboot	run {nodename} bmc reboot system node run -node {nodename} bmc reboot
bmc setup	run {nodename} bmc setup system node run -node {nodename} bmc setup
bmc status	run {nodename} bmc status system node run -node {nodename} bmc status
bmc test autosupport	run {nodename} bmc test autosupport system node run -node {nodename} bmc test autosupport

C

7-Mode command	Cluster-Mode commands
cdpd show-neighbors	run {nodename} cdpd show-neighbors system node run -node {nodename} cdpd show-neighbors
cdpd show-stats	run {nodename} cdpd show-stats system node run -node {nodename} cdpd show-stats
cdpd zero stats	run {nodename} cdpd zero-stats system node run -node {nodename} cdpd zero-stats
cf disable	cf disable
cf enable	cf enable
cf forcetakeover	cf forcetakeover
cf giveback	cf giveback
cf hw_assist	cf hwassist status storage failover hwassist show
cf monitor	cf monitor
cf partner	cf partner
cf status	cf status
cf takeover	cf takeover
cifs access	cifs access vserver cifs access
cifs changefilerpwd	cifs changefilerpwd vserver cifs changefilerpwd
cifs domaininfo	cifs domain discovered-servers show vserver cifs domain discovered-servers show
cifs gresult	cifs group-policy show-applied vserver cifs group-policy show-applied
cifs gpupdate	cifs group-policy update vserver cifs group-policy update
cifs homedir	cifs home-directory vserver cifs home-directory

7-Mode command	Cluster-Mode commands
cifs prefdc	cifs domain preferred-dc vserver cifs domain preferred-dc
cifs sessions	network connections active show -service cifs-*
cifs setup	vserver setup OR vserver cifs create
cifs shares	cifs share vserver cifs share
cifs stat	statistics show -object cifs
cifs resetdc	cifs domain discovered-servers reset-servers vserver cifs domain discovered-servers reset-servers
clone start	volume <file> clone create
clone status	volume <file> clone show
config clone	system configuration backup Note: The Cluster-Mode command is advanced privilege level.
config diff	system configuration backup Note: The Cluster-Mode command is advanced privilege level.
config dump	system configuration backup Note: The Cluster-Mode command is advanced privilege level.
config restore	system configuration backup Note: The Cluster-Mode command is advanced privilege level.

D

Note: All df commands are available in the clustershell and the nodeshell. These commands are being listed as nodeshell commands because df is not documented in the *Cluster-Mode Command Reference Manual*. Note also that the output of some of the df commands can be obtained from volume show -vserver -volume.

7-Mode command	Cluster-Mode commands
date	date

7-Mode command	Cluster-Mode commands
dcb show	run -node {nodename} dcb show system node run -node {nodename} dcb show
dcb priority show	run -node {nodename} dcb priority show system node run -node {nodename} dcb priority show
df	df system node run -node {nodename} df
df -i	df -i system node run -node {nodename} df -i
df -r	df -r system node run -node {nodename} df -r
df -s	df -s system node run -node {nodename} df -s
df -S	df -S system node run -node {nodename} df -S
df -x	df -x system node run -node {nodename} df -x
df -h	df -h system node run -node {nodename} df -h
df -k	df -k system node run -node {nodename} df -k
df -m	df -m system node run -node {nodename} df -m
df -g	df -g system node run -node {nodename} df -g
df -t	df -t system node run -node {nodename} df -t
df -A	df -A system node run -node {nodename} df -A
df -V	df -V system node run -node {nodename} df -V

7-Mode command	Cluster-Mode commands
df -L	df -L system node run -node { <i>nodename</i> } df -L
df [path name]	df [path name] system node run -node { <i>nodename</i> } df [path name]
df [aggr name]	df [aggr name] system node run -node { <i>nodename</i> } df [aggr name]
disk assign	disk assign storage disk assign
disk fail	disk fail storage disk fail
disk maint	node run disk maint system node run -node { <i>nodename</i> } disk maint
disk reassign	disk reassign storage disk reassign
disk remove	storage disk remove
disk replace	storage disk replace
disk sanitize	run -node {<i>nodename</i>} disk sanitize system node run -node { <i>nodename</i> } disk sanitize
disk scrub	run -node {<i>nodename</i>} disk scrub system node run -node { <i>nodename</i> } disk scrub
disk show	storage disk show
disk simpull	run -node {<i>nodename</i>} disk simpull system node run -node { <i>nodename</i> } disk simpull
disk simpush	run -node {<i>nodename</i>} disk simpush system node run -node { <i>nodename</i> } disk simpush
disk zero spares	storage disk zerospares
disk_fw_update	storage disk updatefirmware
du -u	du -u
du -h	du -h

7-Mode command	Cluster-Mode commands
du -k	du -k
du -m	du -m
du -r	du -r
du [path name]	du [path name]

E

7-Mode command	Cluster-Mode commands
echo	run -node {nodename} echo system node run -node { <i>nodename</i> } echo
ems event status	event status show event status show -node { <i>nodename</i> }
ems log status	event show-statistics
ems log dump value	event log show
environment status	run -node {nodename} environment status system node run -node { <i>nodename</i> } environment status OR system node environment sensors show
environment shelf	run -node {nodename} environment shelf system node run -node { <i>nodename</i> } environment shelf
environment shelf_log	run -node {nodename} environment shelf_log system node run -node { <i>nodename</i> } environment shelf_log
environment shelf_stats	system node run -node { <i>nodename</i> } environment shelf_stats
environment shelf_power_status	run -node {nodename} environment shelf_power_status system node run -node { <i>nodename</i> } environment shelf_power_status
environment chassis	run -node {nodename} environment chassis system node run -node { <i>nodename</i> } environment chassis
exportfs	vserver export-policy

F

7-Mode command	Cluster-Mode commands
fcadmin config	run -node {nodename} fcadmin config system node run -node {nodename} fcadmin config
fcadmin link_stats	run -node {nodename} fcadmin link_stats system node run -node {nodename} fcadmin link_stats
fcadmin fcal_stats	run -node {nodename} fcadmin fcal_stats system node run -node {nodename} fcadmin fcal_stats
fcadmin device_map	run -node {nodename} fcadmin device_map system node run -node {nodename} fcadmin device_map
fcv config	fcv adapter modify
fcv nameserver	run -node {nodename} fcv nameserver system node run -node {nodename} fcv nameserver
fcv nodename	fcv nodename vserver fcv nodename
fcv ping	run -node {nodename} fcv ping system node run -node {nodename} fcv ping
fcv portname	fcv portname vserver fcv portname
fcv show	fcv show
fcv start	fcv start OR fcv create OR fcv modify
fcv status	fcv show
fcv stop	fcv stop
fcv topology	run -node {nodename} fcv topology system node run -node {nodename} fcv topology
fcv wwpn-alias	fcv wwpn-alias
fcv zone	run -node {nodename} fcv zone system node run -node {nodename} fcv zone

7-Mode command	Cluster-Mode commands
fcv dump	run -node {nodename} fcp dump system node run -node {nodename} fcp dump
fcv reset	run -node {nodename} fcp reset system node run -node {nodename} fcp reset
fcstat link_stats	run -node {nodename} fcstat link_stats system node run -node {nodename} fcstat link_stats
fcstat fcal_stats	run -node {nodename} fcstat fcal_stats system node run -node {nodename} fcstat fcal_stats
fcstat device_map	run -node {nodename} fcstat device_map system node run -node {nodename} fcstat device_map
fsecurity show	run -node {nodename} fsecurity show system node run -node {nodename} fsecurity show

G

7-Mode command	Cluster-Mode Command

H

7-Mode command	Cluster-Mode Command
halt	halt -node {nodename} system node halt -node {nodename}
halt -f	halt -f true system node halt -f true
halt -d	halt -dump true system node halt -dump true
help	? Note: Type the question mark (?) symbol to execute this command in Cluster-Mode.
hostname	hostname

I

Note: All `ifconfig` commands are available in the clustershell and the nodeshell. They are listed as nodeshell commands because `ifconfig` is not documented in the *Cluster-Mode Command Reference Manual*. Note also that the output of some of the `ifconfig` commands can be obtained from `network interface create`.

7-Mode command	Cluster-Mode commands
<code>ifconfig -a</code>	<code>ifconfig -a</code>
<code>ifconfig alias</code>	<code>ifconfig alias</code>
<code>ifconfig down</code>	<code>ifconfig down</code>
<code>ifconfig up</code>	<code>ifconfig up</code>
<code>ifconfig netmask</code>	<code>ifconfig netmask</code>
<code>ifconfig mtusize</code>	<code>ifconfig mtusize</code>
<code>ifconfig mediatype</code>	<code>ifconfig mediatype</code>
<code>ifconfig flowcontrol</code>	<code>ifconfig flowcontrol</code>
<code>ifgrp create</code>	<code>ifgrp create</code> network port ifgrp create
<code>ifgrp add</code>	<code>ifgrp add-port</code> network port ifgrp add-port
<code>ifgrp delete</code>	<code>ifgrp remove-port</code> network port ifgrp remove-port
<code>ifgrp destroy</code>	<code>ifgrp delete</code> network port ifgrp delete
<code>ifinfo</code>	<code>run -node {nodename} ifinfo</code> system node run -node {nodename} ifinfo
<code>ifstat -a</code>	<code>run -node {nodename} ifstat -a</code> system node run -node {nodename} ifstat -a
<code>ifstat -z</code>	<code>run -node {nodename} ifstat -z</code> system node run -node {nodename} ifstat -z

7-Mode command	Cluster-Mode commands
igroup add	igroup add lun igroup add
igroup destroy	igroup delete lun igroup delete
igroup rename	igroup rename lun igroup rename
igroup show	igroup show lun igroup show
igroup bind	igroup bind lun igroup bind
igroup set	igroup lun igroup
igroup unbind	igroup unbind lun igroup unbind
igroup create	igroup create lun igroup create
igroup remove	igroup remove lun igroup remove
iscsi alias	iscsi create vserver 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

7-Mode command	Cluster-Mode commands
iscsi nodename	iscsi nodename vserver iscsi nodename
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 show -object iscsi
iscsi status	iscsi show vserver iscsi show
iscsi stop	iscsi stop vserver iscsi stop

J

7-Mode command	Cluster-Mode commands

K

7-Mode command	Cluster-Mode Command

L

7-Mode command	Cluster-Mode commands
license	license show system license show
license add	license add system license add
license delete	license delete system license delete
lock status	locks show vserver locks show
lock break	vserver locks break Note: The Cluster-Mode command is advanced privilege level.
lun clone	volume file clone create
lun comment	lun create -comment OR lun modify -comment
lun create	lun create OR vserver setup
lun destroy	lun delete
lun maxsize	lun maxsize
lun move	lun move
lun offline	lun modify -state offline
lun online	lun modify -state online
lun resize	lun resize
lun serial	lun show -serial OR lun modify -serial
lun set	lun modify
lun setup	vserver setup
lun show	lun show
lun stats	statistics show -object lun
lun unmap	lun unmap

M

7-Mode command	Cluster-Mode commands
man	man
maxfiles	vol modify -maxfiles OR vol show -files maxfiles
mt -f	run -node {nodename} mt -f system node run -node { <i>nodename</i> } mt -f
mt -t	run -node {nodename} mt -t system node run -node { <i>nodename</i> } mt -t

N

7-Mode command	Cluster-Mode commands
nbtstat	cifs nbtstat vserver cifs nbtstat
ndmpcopy	run -node {nodename} ndmpcopy system node run -node { <i>nodename</i> } ndmpcopy
ndmpd on	ndmpd on system services ndmpd on
ndmpd off	ndmpd off system services ndmpd off
ndmpd status	ndmpd status system services ndmpd status
ndmpd probe	ndmpd probe system services ndmpd probe
ndmpd kill	ndmpd kill system services ndmpd kill
ndmpd password	ndmpd password system services ndmpd password
ndmpd version	ndmpd version system services ndmpd version

7-Mode command	Cluster-Mode commands
netstat -anMB	run -node {nodename} netstat -anMB system node run -node { <i>nodename</i> } netstat -anMB
netstat -m	run -node {nodename} netstat -m system node run -node { <i>nodename</i> } netstat -m
netstat -r	run -node {nodename} netstat -r system node run -node { <i>nodename</i> } netstat -r
netstat -rsn	run -node {nodename} netstat -rsn system node run -node { <i>nodename</i> } netstat -rsn
netstat -idn	run -node {nodename} netstat -idn system node run -node { <i>nodename</i> } netstat -idn
netstat -w	run -node {nodename} netstat -w system node run -node { <i>nodename</i> } netstat -w
netstat -x	run -node {nodename} netstat -x system node run -node { <i>nodename</i> } netstat -x
netstat -s	run -node {nodename} netstat -s system node run -node { <i>nodename</i> } netstat -s
netstat -p	run -node {nodename} netstat -p system node run -node { <i>nodename</i> } netstat -p
netstat -T	run -node {nodename} netstat -T system node run -node { <i>nodename</i> } netstat -T
nfs off	vserver nfs off OR vserver nfs stop
nfs on	vserver nfs on OR vserver nfs start
nfs setup	vserver nfs create OR vserver setup
nfs status	vserver nfs status

O

7-Mode command	Cluster-Mode commands
orouted	network interface routing-groups

P

Note: The set -privilege command is not documented in the *Cluster-Mode Command Reference Manual*.

7-Mode command	Cluster-Mode commands
passwd	security login password
ping {host}	network ping -node {nodename} {host} -destination
ping {count}	network ping -node {nodename} {host} -count
ping -v	network ping -node {nodename} {host} -v
ping -s	network ping -node {nodename} {host}
ping -R	network ping -node {nodename} {host} -R
pktt start	run -node {nodename} pktt start system node run -node {nodename} pktt start
pktt pause	run -node {nodename} pktt pause system node run -node {nodename} pktt pause
pktt dump	run -node {nodename} pktt dump system node run -node {nodename} pktt dump
pktt stop	run -node {nodename} pktt stop system node run -node {nodename} pktt stop
pktt status	run -node {nodename} pktt status system node run -node {nodename} pktt status
pktt delete	run -node {nodename} pktt delete system node run -node {nodename} pktt delete
pktt list	run -node {nodename} pktt list system node run -node {nodename} pktt list

7-Mode command	Cluster-Mode commands
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
priv set	set -privilege

Q

7-Mode command	Cluster-Mode commands
qtree status	qtree show volume qtree show
qtree stats	qtree statistics volume qtree statistics
qtree create	qtree create volume qtree create
qtree security	qtree security volume qtree security
qtree oplocks	qtree oplocks volume qtree oplocks
quota on	quota on volume quota on
quota off	quota off volume quota off

7-Mode command	Cluster-Mode commands
quota resize	quota resize volume quota resize
quota allow	quota modify -state volume quota modify -state
quota disallow	quota modify -state volume quota modify -state
quota status	quota show volume quota show
quota report	quota report volume quota report

R

7-Mode command	Cluster-Mode Command
rdfile	run -node {nodename} rdfile system node run -node { <i>nodename</i> } rdfile
reallocate on	reallocate on
reallocate off	reallocate off
reallocate start	reallocate start
reallocate status	reallocate show
reallocate stop	reallocate stop
reallocate quiesce	reallocate quiesce
reallocate restart	reallocate restart
reallocate schedule	reallocate schedule
reallocate measure	reallocate measure
reboot	reboot -node { <i>nodename</i> }
reboot -d	system node reboot -dump true -node { <i>nodename</i> }

7-Mode command	Cluster-Mode Command
reboot -f	reboot -inhibit-takeover true -node { <i>nodename</i> }
revert_to	node revert-to OR node run { <i>nodename</i> } revert_to
rlm help	run -node {<i>nodename</i>} rlm help system node run -node { <i>nodename</i> } rlm help
rlm reboot	run -node {<i>nodename</i>} rlm reboot system node run -node { <i>nodename</i> } rlm reboot
rlm setup	run -node {<i>nodename</i>}rlm setup system node run -node { <i>nodename</i> }rlm setup
rlm status	run -node {<i>nodename</i>} rlm status system node run -node { <i>nodename</i> } rlm status
rlm test	run -node {<i>nodename</i>} rlm test system node run -node { <i>nodename</i> } rlm test
rlm update	run -node {<i>nodename</i>} rlm update system node run -node { <i>nodename</i> } rlm update
route add	network routing-groups route create
route delete	network routing-groups route delete
route -s	network routing-groups route show

S

7-Mode command	Cluster-Mode commands
sasadmin dev_stats	run -node {<i>nodename</i>} sasadmin dev_stats system node run -node { <i>nodename</i> } sasadmin dev_stats
sasadmin adapter_state	run -node {<i>nodename</i>} sasadmin adapter_state system node run -node { <i>nodename</i> } sasadmin adapter_state
sasadmin shelf	run -node {<i>nodename</i>} sasadmin shelf system node run -node { <i>nodename</i> } sasadmin shelf
sasadmin expander	run -node {<i>nodename</i>} sasadmin expander system node run -node { <i>nodename</i> } sasadmin expander

7-Mode command	Cluster-Mode commands
sasadmin expander_map	run -node {nodename} sasadmin expander_map system node run -node { <i>nodename</i> } sasadmin expander_map
sasadmin expander_phy_state	run -node {nodename} sasadmin expander_phy_state system node run -node { <i>nodename</i> } sasadmin expander_phy_state
sasadmin channels	run -node {nodename} sasadmin channels system node run -node { <i>nodename</i> } sasadmin channels
sasstat dev_stats	run -node {nodename} sasstat dev_stats system node run -node { <i>nodename</i> } sasstat dev_stats
sasstat adapter_state	run -node {nodename} sasstat adapter_state system node run -node { <i>nodename</i> } sasstat adapter_state
sasstat expander	run -node {nodename} sasstat expander system node run -node { <i>nodename</i> } sasstat expander
sasstat expander_map	run -node {nodename} sasstat expander_map system node run -node { <i>nodename</i> } sasstat expander_map
sasstat expander_phy_state	run -node {nodename} sasstat expander_phy_state system node run -node { <i>nodename</i> } sasstat expander_phy_state
sasstat shelf	run -node {nodename} sasstat shelf system node run -node { <i>nodename</i> } sasstat shelf
savecore	coredump save-all system node coredump save-all OR coredump save system node coredump save
savecore -i	coredump config show system node coredump config show
savecore -l	coredump show -instance system node coredump show -instance
savecore -s	coredump show -instance system node coredump show -instance
secureadmin setup ssh	security login create
secureadmin setup ssl	security ssl modify

7-Mode command	Cluster-Mode commands
secureadmin addcert ssl	security certificate Note: The Cluster-Mode command is advanced privilege level.
secureadmin enable ssl	security ssl modify
secureadmin disable ssh	security login modify
secureadmin disable ssl	security ssl modify
secureadmin status ssh	security login show
secureadmin status ssl	security ssl show
setup	vserver setup
shelfchk	system health system-connectivity shelf show OR system health node-connectivity shelf
sis config	sis modify
sis off	sis off
sis on	sis on
sis revert_to	sis undo
sis start	sis start
sis status	sis status
sis stop	sis stop
snap list	snap show volume snapshot show
snap create	snap create volume snapshot create
snap delete	snap delete volume snapshot delete
snap delta	node run -node { <i>nodename</i> } snap delta
snap rename	snap rename volume snapshot rename
snap sched	snap policy show volume snapshot policy show

7-Mode command	Cluster-Mode commands
snap reserve	node run -node { <i>nodename</i> } snap reserve
snap restore	snap restore volume snapshot restore-file
snap autodelete	snap autodelete volume snapshot autodelete
snapmirror abort	snapmirror abort
snapmirror break	snapmirror break
snapmirror initialize	snapmirror initialize
snapmirror migrate	snapmirror promote
snapmirror quiesce	snapmirror quiesce
snapmirror resume	snapmirror resume
snapmirror resync	snapmirror resync
snapmirror status	snapmirror show
snapmirror throttle	snapmirror modify -throttle
snapmirror update	snapmirror update
snmp authtrap	snmp init
snmp community	snmp community
snmp contact	snmp contact
snmp init	snmp init
snmp location	snmp location
snmp traphost	snmp traphost
snmp traps	event route show -snmp-support OR event route modify -snmp-support
software delete	image package delete system node image package delete
software get	image get system node image get
software install	image update system node image update

7-Mode command	Cluster-Mode commands
software list	image package show system node image package show
software update	image update system node image update
sp help	run -node {nodename} sp help system node run -node {nodename} sp help
sp reboot	service-processor reboot-sp
sp setup	run -node {nodename} sp setup system node run -node {nodename} sp setup OR system node service-processor modify
sp status	run -node {nodename} service-processor show system node run -node {nodename} service-processor show
sp test autosupport	run -node {nodename} service-processor test-autosupport system node run -node {nodename} service-processor test-autosupport
sp test snmp	run -node {nodename} sp test snmp system node run -node {nodename} sp test snmp
stats explain	statistics show -fields description
stats list	statistics show -object <tab>
stats show	statistics show
stats start	statistics show
stats stop	statistics show
storage alias	run -node {nodename} storage alias system node run -node {nodename} storage alias
storage array	storage array
storage disable	run -node {nodename} storage disable system node run -node {nodename} storage disable
storage download	storage firmware download Note: The Cluster-Mode command is advanced privilege level.
storage enable adapter	run -node {nodename} storage enable adapter system node run -node {nodename} storage enable adapter

7-Mode command	Cluster-Mode commands
storage show adapter	run -node {nodename} storage show adapter system node run -node { <i>nodename</i> } storage show adapter
storage show disk	storage disk show
storage show expander	run -node {nodename} storage show expander system node run -node { <i>nodename</i> } storage show expander
storage show bridge	run -node {nodename} storage show bridge system node run -node { <i>nodename</i> } storage show bridge
storage show fabric	run -node {nodename} storage show fabric system node run -node { <i>nodename</i> } storage show fabric
storage show fault	run -node {nodename} storage show fault system node run -node { <i>nodename</i> } storage show fault
storage show hub	run -node {nodename} storage show hub system node run -node { <i>nodename</i> } storage show hub
storage show initiators	run -node {nodename} storage show initiators system node run -node { <i>nodename</i> } storage show initiators
storage show mc	run -node {nodename} storage show mc system node run -node { <i>nodename</i> } storage show mc OR hardware tape library show
storage show port	run -node {nodename} storage show port system node run -node { <i>nodename</i> } storage show port
storage show shelf	run -node {nodename} storage show shelf system node run -node { <i>nodename</i> } storage show shelf
storage show switch	run -node {nodename} storage show switch system node run -node { <i>nodename</i> } storage show switch
storage show tape	run -node {nodename} storage show tape system node run -node { <i>nodename</i> } storage show tape OR hardware tape system node run -node { <i>nodename</i> } hardware tape
storage show acp	run -node {nodename} storage show acp system node run -node { <i>nodename</i> } storage show acp

7-Mode command	Cluster-Mode commands
storage stats tape	run -node {nodename} storage stats tape system node run -node { <i>nodename</i> } storage stats tape
storage unalias	run -node {nodename} storage unalias system node run -node { <i>nodename</i> } storage unalias
storage array remove	storage array remove
storage array modify	storage array modify
storage array remove-port	storage array port remove
storage array show	storage array show
storage array show-ports	storage array port show
storage array show-luns	run -node {nodename} storage array show-luns system node run -node { <i>nodename</i> } storage array show-luns
storage array show-config	storage array config show
storage array purge-database	run -node {nodename} storage array purge-database system node run -node { <i>nodename</i> } storage array purge-database
sysconfig -A	run -node {nodename} sysconfig -A system node run -node { <i>nodename</i> } sysconfig -A
sysconfig -c	run -node {nodename} sysconfig -c system node run -node { <i>nodename</i> } sysconfig -c
sysconfig -d	run -node {nodename} sysconfig -d system node run -node { <i>nodename</i> } sysconfig -d
sysconfig -h	run -node {nodename} sysconfig -h system node run -node { <i>nodename</i> } sysconfig -h
sysconfig -m	run -node {nodename} sysconfig -m node run -node { <i>nodename</i> } sysconfig -m
sysconfig -r	run -node {nodename} sysconfig -r system node run -node { <i>nodename</i> } sysconfig -r
sysconfig -t	run -node {nodename} sysconfig -t system node run -node { <i>nodename</i> } sysconfig -t

7-Mode command	Cluster-Mode commands
sysconfig -V	run -node {nodename} sysconfig -V system node run -node { <i>nodename</i> } sysconfig -V
sysstat -c	statistics show-periodic -iterations
sysstat -s	statistics show-periodic -summary true
sysstat -u	run -node {nodename} sysstat -u system node run -node { <i>nodename</i> } sysstat -u
sysstat -x	run -node {nodename} sysstat -x system node run -node { <i>nodename</i> } sysstat -x
sysstat -m	run -node {nodename} sysstat -m system node run -node { <i>nodename</i> } sysstat -m
sysstat -f	run -node {nodename} sysstat -f system node run -node { <i>nodename</i> } sysstat -f
sysstat -i	run -node {nodename} sysstat -i system node run -node { <i>nodename</i> } sysstat -i
sysstat -b	run -node {nodename} sysstat -b system node run -node { <i>nodename</i> } sysstat -b
system health alert	system health alert
system health autosupport	system health autosupport
system health config	system health config
system health node-connectivity	system health node-connectivity
system health policy	system health policy
system health status	system health status

T

7-Mode command	Cluster-Mode commands
timezone	timezone
traceroute -m	network traceroute -node { <i>nodename</i> } { <i>dest</i> } -m

7-Mode command	Cluster-Mode commands
traceroute -n	network traceroute -node {nodename} {dest} -n
traceroute -p	network traceroute -node {nodename} {dest} -p
traceroute -q	network traceroute -node {nodename} {dest} -q
traceroute -s	network traceroute -node {nodename} {dest} -lif
traceroute -v	network traceroute -node {nodename} {dest} -v
traceroute -w	network traceroute -node {nodename} {dest} -w

U

7-Mode command	Cluster-Mode commands
uptime	node show -node {nodename} -fields uptime
useradmin user add	security login create
useradmin user modify	security login modify OR security login create
useradmin user delete	security login delete
useradmin user list	security login show
useradmin domainuser add	security login create
useradmin domainuser delete	security login delete
useradmin domainuser list	security login show
useradmin group add	security login role create
useradmin group modify	security login role modify
useradmin group delete	security login role delete
useradmin group list	security login role show
useradmin role add	security login role create OR security login role modify

7-Mode command	Cluster-Mode commands
useradmin role modify	security login role modify
useradmin role delete	security login role delete
useradmin role list	security login role show

V

7-Mode command	Cluster-Mode commands
version -b	version -b OR system image show
version -v	version -v OR system image show
vfiler context	vfiler context
vfiler create	vfiler create
vfiler rename	vfiler rename
vfiler destroy	vserver delete
vfiler add	vserver create
vfiler remove	vserver delete
vfiler start	vserver start
vfiler status	vserver show
vfiler run	vserver
vlan create	network port vlan create
vlan add	network port vlan create
vlan delete	network port vlan delete
vlan stat	system node run -node { <i>nodename</i> } -command vlan stat
vol autosize	volume autosize
vol clone	volume clone
vol container	volume show -vserver { <i>nodename</i> } -fields aggregate

7-Mode command	Cluster-Mode commands
vol copy	volume copy
vol create	volume create
vol destroy	volume destroy
vol move	volume move
vol offline	volume offline
vol online	volume online
vol options	volume show -instance OR volume modify
vol rename	volume rename
vol restrict	volume restrict
vol size	volume size
vol status	volume show
vscan	antivirus

W

7-Mode command	Cluster-Mode Command

X

7-Mode command	Cluster-Mode commands

Y

7-Mode command	Cluster-Mode commands

Z

7-Mode command	Cluster-Mode commands

7-Mode options in Cluster-Mode

You need to know the Cluster-Mode equivalents to 7-Mode options extensions to successfully manage Data ONTAP systems operating in Cluster-Mode.

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 command would be:

```
options acp.domain
```

7-Mode command	Cluster-Mode commands
acp.domain	run -node { <i>nodename</i> } options acp.domain system node run -node { <i>nodename</i> } options acp.domain
acp.enabled	run -node { <i>nodename</i> } options acp.enabled system node run -node { <i>nodename</i> } options acp.enabled
acp.netmask	run -node { <i>nodename</i> } options acp.netmask system node run -node { <i>nodename</i> } options acp.netmask
acp.port	run -node { <i>nodename</i> } options acp.port system node run -node { <i>nodename</i> } options acp.port
auditlog.enable	security audit
auditlog.readonly_api.enable	security audit
autologout.console.enable	timeout modify -timeout
autologout.console.timeout	timeout modify -timeout
autosupport.content	autosupport modify -remove -private -data
autosupport.doit	options autosupport.doit
autosupport.enable	autosupport modify -enable system node autosupport modify -enable
autosupport.from	autosupport modify -from system node autosupport modify -from
autosupport.local_collection	autosupport modify -local-collection system node autosupport modify -local-collection

7-Mode command	Cluster-Mode commands
autosupport.mailhost	autosupport modify -mailhost system node autosupport modify -mailhost
autosupport.max_http_size	autosupport modify -max-http-size system node autosupport modify -max-http-size
autosupport.max_smtp_size	autosupport modify -max-smtp-size system node autosupport modify -max-smtp-size
autosupport.minimal.subject.id	autosupport modify -hostname-subj system node autosupport modify -hostname-subj
autosupport.nht_data.enable	autosupport modify -nht system node autosupport modify -nht
autosupport.noteto	autosupport modify -noteto system node autosupport modify -noteto
autosupport.partner.to	autosupport modify -partner-address system node autosupport modify -partner-address
autosupport.performance_data.doit	autosupport trigger -type perf system node autosupport trigger -type perf
autosupport.performance_data.enable	autosupport modify -perf system node autosupport modify -perf
autosupport.periodic_tx_window	autosupport modify -periodic-tx-window system node autosupport modify -periodic-tx-window
autosupport.retry.count	autosupport modify -retry-count system node autosupport modify -retry-count
autosupport.retry.interval	autosupport modify -retry-interval system node autosupport modify -retry-interval
autosupport.support.enable	autosupport modify -support system node autosupport modify -support
autosupport.support.proxy	autosupport modify -proxy-url system node autosupport modify -proxy-url
autosupport.support.transport	autosupport modify -transport system node autosupport modify -transport

7-Mode command	Cluster-Mode commands
autosupport.to	autosupport modify -to system node autosupport modify -to
backup.log.enable	options backup.log.enable system node options backup.log.enable
cdpd.enable	run -node { <i>nodename</i> } options cdpd.enable system node run -node { <i>nodename</i> } options cdpd.enable
cdpd.holdtime	run -node { <i>nodename</i> } options cdpd.holdtime run -node { <i>nodename</i> } options cdpd.holdtime
cdpd.interval	run -node { <i>nodename</i> } options cdpd.interval system node run -node { <i>nodename</i> } options cdpd.interval
cf.giveback.auto.delay.seconds	storage failover modify -delay-seconds
cf.giveback.auto.enable	storage failover modify -auto-giveback
cf.giveback.auto.terminate.bigjobs	storage failover modify -abort-operations
cf.giveback.check.partner	storage failover modify -check-partner
cf.hw_assist.enable	storage failover modify -hwassist
cf.hw_assist.partner.addresses	storage failover modify -hwassist-partner-ip
cf.hw_assist.partner.port	storage failover modify -hwassist-partner-port
cf.takeover.detection.seconds	storage failover modify -detection-time
cf.takeover.on_disk_shelf_miscompare	run -node { <i>nodename</i> } options cf.takeover.on_disk_shelf_miscompare system node run -node { <i>nodename</i> } options cf.takeover.on_disk_shelf_miscompare
cf.takeover.on_failure	storage failover modify -node { <i>nodename</i> } -onfailure Note: The Cluster-Mode command is advanced privilege level.
cf.takeover.on_panic	storage failover modify -onpanic
cf.takeover.on_reboot	storage failover modify -onreboot

7-Mode command	Cluster-Mode commands
cf.takeover.on_short_uptime	storage failover modify -onshort-uptime Note: The Cluster-Mode command is advanced privilege level.
cifs.enable_share_browsing	vserver cifs share
cifs.gpo.enable	vserver cifs group-policy
cifs.grant_implicit_exe_perms	vserver cifs options modify -read-grants-exec
cifs.home_dir_namestyle	vserver cifs share create
cifs.home_dirs_public_for_admin	vserver cifs share access-control modify
cifs.max_mpx	vserver cifs options modify -max-mpx Note: The Cluster-Mode command is advanced privilege level.
cifs.ntfs_ignore_unix_security_ops	vserver nfs modify -ntfs-unix-security-ops Note: The Cluster-Mode command is advanced privilege level.
cifs.oplocks.enable	vserver cifs share modify -share-properties
cifs.show_snapshot	vserver cifs share modify -share-properties
cifs.smb2.enable	vserver cifs options modify -smb2-enabled Note: The Cluster-Mode command is advanced privilege level.
cifs.symlinks.enable	vserver cifs share modify -symlink-properties
coredump.dump.attempts	system node cordump config modify -coredump-attempts
disk.asup_on_mp_loss	system node autosupport trigger modify dsk.redun.fault
disk.auto_assign	storage disk option modify -autoassign
disk.maint_center.allowed_entries	run -node { <i>nodename</i> } options disk.maint_center.allowed_entries system node run -node { <i>nodename</i> } options disk.maint_center.allowed_entries
disk.maint_center.enable	run -node { <i>nodename</i> } options disk.maint_center.enable system node run -node { <i>nodename</i> } options disk.maint_center.enable

7-Mode command	Cluster-Mode commands
disk.maint_center.max_disks	run -node { <i>nodename</i> } options disk.maint_center.max_disks system node run -node { <i>nodename</i> } options disk.maint_center.max_disks
disk.maint_center.rec_allowed_entries	run -node { <i>nodename</i> } options disk.maint_center.rec_allowed_entries system node run -node { <i>nodename</i> } options disk.maint_center.rec_allowed_entries
disk.maint_center.spares_check	run -node { <i>nodename</i> } options disk.maint_center.spares_check on system node run -node { <i>nodename</i> } options disk.maint_center.spares_check on
disk.powercycle.enable	run -node { <i>nodename</i> } options disk.powercycle.enable system node run -node { <i>nodename</i> } options disk.powercycle.enable
disk.recovery_needed.count	run -node { <i>nodename</i> } options disk.recovery_needed system node run -node { <i>nodename</i> } options disk.recovery_needed
dns.domainname	vserver services dns modify -domains
dns.enable	vserver services dns modify -state
fcp.enable	fcp start
flexcache.access	vserver export-policy rule modify rule -protocol flexcache
flexcache.enable	vserver export-policy rule modify rule -protocol flexcache
flexscale.enable	run -node { <i>nodename</i> } options flexscale.enable system node run -node { <i>nodename</i> } options flexscale.enable
flexscale.lopri_blocks	run -node { <i>nodename</i> } options flexscale.lopri_blocks system node run -node { <i>nodename</i> } options flexscale.lopri_blocks
flexscale.normal_data_blocks	run -node { <i>nodename</i> } options flexscale.normal_data_blocks system node run -node { <i>nodename</i> } options flexscale.normal_data_blocks
flexscale.pcs_high_res	run -node { <i>nodename</i> } options flexscale.pcs_high_res system node run -node { <i>nodename</i> } options flexscale.pcs_high_res
flexscale.pcs_size	run -node { <i>nodename</i> } options flexscale.pcs_size system node run -node { <i>nodename</i> } options flexscale.pcs_size
flexscale.rewarm	run -node { <i>nodename</i> } options flexscale.rewarm system node run -node { <i>nodename</i> } options flexscale.rewarm

7-Mode command	Cluster-Mode commands
httpd.admin.access	vserver services web -enabled
httpd.admin.ssl.enable	vserver services web
interface.blocked.cifs	network interface create -data-protocol
interface.blocked.iscsi	network interface create -data-protocol OR network interface modify -firewall-policy
interface.blocked.mgmt_data_traffic	network interface modify -firewall-policy
interface.blocked.ndmp	network interface modify -firewall-policy
interface.blocked.nfs	network interface create -data-protocol
interface.blocked.snapmirror	network interface create -role
ip.fastpath.enable	run -node { <i>nodename</i> } options ip.fastpath.enable system node run -node { <i>nodename</i> } options ip.fastpath.enable
ip.path_mtu_discovery.enable	run -node { <i>nodename</i> } options ip.path_mtu_discovery.enable system node run -node { <i>nodename</i> } options ip.path_mtu_discovery.enable
ip.ping_throttle.alarm_interval	run -node { <i>nodename</i> } options ip.ping_throttle.alarm_interval system node run -node { <i>nodename</i> } options ip.ping_throttle.alarm_interval
ip.ping_throttle.drop_level	run -node { <i>nodename</i> } options ip.ping_throttle.drop.level system node run -node { <i>nodename</i> } options ip.ping_throttle.drop.level
ip.tcp.abc.enable	run -node { <i>nodename</i> } options ip.tcp.abc.enable system node run -node { <i>nodename</i> } options ip.tcp.abc.enable
ip.tcp.abc.l_limit	run -node { <i>nodename</i> } options ip.tcp.abc.l_limit system node run -node { <i>nodename</i> } options ip.tcp.abc.l_limit
ip.tcp.batching.enable	run -node { <i>nodename</i> } options ip.tcp.batching.enable system node run -node { <i>nodename</i> } options ip.tcp.batching.enable
ip.tcp.newreno.enable	run -node { <i>nodename</i> } options ip.tcp.newreno.enable system node run -node { <i>nodename</i> } options ip.tcp.newreno.enable

7-Mode command	Cluster-Mode commands
ip.tcp.rfc3390.enable	run -node { <i>nodename</i> } options ip.tcp.rfc3390.enable system node run -node { <i>nodename</i> } options ip.tcp.rfc3390.enable
ip.tcp.sack.enable	run -node { <i>nodename</i> } options ip.tcp.sack.enable system node run -node { <i>nodename</i> } options ip.tcp.sack.enable
iscsi.enable	vserver iscsi start
iscsi.max_connections_per_session	vserver iscsi modify -max-conn-per-session Note: The Cluster-Mode command is advanced privilege level.
iscsi.max_error_recovery_level	vserver iscsi modify -max-error-recovery-level Note: The Cluster-Mode command is advanced privilege level.
ldap.ADdomain	vserver services ldap client modify -ad-domain
ldap.base	vserver services ldap client modify -base-dn OR vserver services ldap client modify -base-scope
ldap.base.group	vserver services ldap client modify -group-dn OR vserver services ldap client modify -group-scope Note: The Cluster-Mode command is advanced privilege level.
ldap.base.netgroup	vserver services ldap client modify -netgroup-dn OR vserver services ldap client modify -netgroup-scope Note: The Cluster-Mode command is advanced privilege level.
ldap.enable	vserver services ldap modify OR vserver modify -ns-switch OR vserver modify -nm-switich
ldap.minimum_bind_level	vserver services ldap client modify -min-bind-level
ldap.name	vserver services ldap client modify -bind-dn
ldap.nssmap.attribute.gecos	vserver services ldap client schema modify -gecos-attribute Note: The Cluster-Mode command is advanced privilege level.
ldap.nssmap.attribute.gidNumber	vserver services ldap client schema modify -gid-number-attribute Note: The Cluster-Mode command is advanced privilege level.

7-Mode command	Cluster-Mode commands
ldap.nssmap.attribute.groupname	vserver services ldap client schema modify -cn-group-attribute Note: The Cluster-Mode command is advanced privilege level.
ldap.nssmap.attribute.homeDirectory	vserver services ldap client schema modify -home-directory-attribute Note: The Cluster-Mode command is advanced privilege level.
ldap.nssmap.attribute.loginShell	vserver services ldap client schema modify -login-shell-attribute Note: The Cluster-Mode command is advanced privilege level.
ldap.nssmap.attribute.memberNisNetgroup	vserver services ldap client schema modify -member-nis-netgroup-attribute Note: The Cluster-Mode command is advanced privilege level.
ldap.nssmap.attribute.memberUid	vserver services ldap client schema modify -member-uid-attribute Note: The Cluster-Mode command is advanced privilege level.
ldap.nssmap.attribute.netgroupname	vserver services ldap client schema modify -cn-netgroup-attribute Note: The Cluster-Mode command is advanced privilege level.
ldap.nssmap.attribute.nisNetgroupTriple	vserver services ldap client schema modify -nis-netgroup-triple-attribute Note: The Cluster-Mode command is advanced privilege level.
ldap.nssmap.attribute.uid	vserver services ldap client schema modify -uid-attribute Note: The Cluster-Mode command is advanced privilege level.
ldap.nssmap.attribute.uidNumber	vserver services ldap client schema modify -uid-number-attribute Note: The Cluster-Mode command is advanced privilege level.
ldap.nssmap.attribute.userPassword	vserver services ldap client schema modify -user-password-attribute Note: The Cluster-Mode command is advanced privilege level.
ldap.nssmap.objectClass.nisNetgroup	vserver services ldap client schema modify -nis-netgroup-object-class Note: The Cluster-Mode command is advanced privilege level.
ldap.nssmap.objectClass.posixAccount	vserver services ldap client schema modify -posix-account-object-class Note: The Cluster-Mode command is advanced privilege level.

7-Mode command	Cluster-Mode commands
ldap.nssmap.objectClass.posixGroup	vserver services ldap client schema modify -posix-group-object-class Note: The Cluster-Mode command is advanced privilege level.
ldap.passwd	vserver services ldap client modify -bind-password
ldap.port	vserver services ldap client modify -port
ldap.servers	vserver services ldap client modify -servers
ldap.servers.preferred	vserver services ldap client modify -preferred-ad-servers
ldap.timeout	vserver services ldap client modify -query-timeout
ldap.usermap.attribute.unixaccount	vserver services ldap client schema modify -unix-account-attribute Note: The Cluster-Mode command is advanced privilege level.
ldap.usermap.attribute.windowsaccount	vserver services ldap client schema modify -windows-account-attribute Note: The Cluster-Mode command is advanced privilege level.
ldap.usermap.base	vserver services ldap client modify -user-dn OR vserver services ldap client modify -user-scope Note: The Cluster-Mode command is advanced privilege level.
ldap.usermap.enable	vserver modify -nm-switch
licensed_feature.fcp.enable	license add
licensed_feature.iscsi.enable	license add
locking.grace_lease_seconds	vserver nfs modify -v4-grace-seconds Note: The Cluster-Mode command is advanced privilege level.
ndmpd.access	system services firewall policy modify
ndmpd.authtype	ndmpd modify -clear-text
ndmpd.connectlog.enabled	options ndmpd.debug.enable OR options ndmpd.dump.detailed_stats Note: The Cluster-Mode command is advanced privilege level.
ndmpd.data_port_range	options ndmpd.data_port_range
ndmpd.enable	ndmpd modify -enable

7-Mode command	Cluster-Mode commands
ndmpd.ignore_ctime.enabled	node run -node { <i>nodename</i> } options ndmpd.ignore_ctime.enabled system node run -node { <i>nodename</i> } options ndmpd.ignore_ctime.enabled
ndmpd.maxversion	node run -node { <i>nodename</i> } options ndmpd.maxversion system node run -node { <i>nodename</i> } options ndmpd.maxversion
ndmpd.offset_map.enable	node run -node { <i>nodename</i> } options ndmpd.offset_map.enable system node run -node { <i>nodename</i> } options ndmpd.offset_map.enable
ndmpd.tcpnodelay.enable	node run -node { <i>nodename</i> } options ndmpd.tcpnodelay.enable system node run -node { <i>nodename</i> } options ndmpd.tcpnodelay.enable
ndmpd.tcpwinsize	node run -node { <i>nodename</i> } options ndmpd.tcpwinsize system node run -node { <i>nodename</i> } options ndmpd.tcpwinsize
nfs.kerberos.enable	vserver services Kerberos-realm create OR vserver nfs kerberos-config modify
nfs.kerberos.file_keytab.enable	vserver services Kerberos-realm create OR vserver nfs kerberos-config modify
nfs.kerberos.file_keytab.principal	vserver services Kerberos-realm create OR vserver nfs kerberos-config modify
nfs.kerberos.file_keytab.realm	vserver services Kerberos-realm create OR vserver nfs kerberos-config modify
nfs.per_client_stats.enable	statistics settings modify -client stats
nfs.response.trace	vserver nfs modify -trace-enabled Note: The Cluster-Mode command is advanced privilege level.
nfs.response.trigger	vserver nfs modify -trigger Note: The Cluster-Mode command is advanced privilege level.
nfs.tcp.enable	vserver nfs modify -tcp
nfs.thin_prov.ejuke	vserver nfs modify -enable-ejukebox Note: The Cluster-Mode command is advanced privilege level.
nfs.udp.enable	vserver nfs modify -udp
nfs.udp.xfersize	vserver nfs modify -udp-max-xfer-size

7-Mode command	Cluster-Mode commands
nfs.v3.enable	vserver nfs modify -v3
nfs.v4.acl.enable	vserver nfs modify -v4.0-acl
nfs.v4.enable	vserver nfs modify -v4.0
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
nis.domainname	vserver services nis-domain modify -domain
nis.enable	vserver services nis-domain modify -active
nis.servers	vserver services nis-domain modify -servers
raid.background_disk_fw_update.enable	storage raid-options modify -raid.background_disk_fw_update.enable
raid.disk.copy.auto.enable	storage raid-options modify -raid.disk.copy.auto.enable
raid.disk.timeout.enable	run -node { <i>nodename</i> } options raid.disk.timeout.enable system node run -node { <i>nodename</i> } options raid.disk.timeout.enable
raid.disktype.enable	storage raid-options modify -raid.disktype.enable
raid.media_scrub.enable	storage raid-options modify -raid.media_scrub.enable
raid.media_scrub.rate	storage raid-options modify -raid.media_scrub.rate
raid.media_scrub.spares.enable	run -node { <i>nodename</i> } options raid.media_scrub.rate system node run -node { <i>nodename</i> } options raid.media_scrub.rate
raid.min_spare_count	storage raid-options modify -raid.min_spare_count
raid.mirror_read_plex_pref	storage raid-options modify -raid.mirror_read_plex_pref
raid.reconstruct.perf_impact	storage raid-options modify -raid.reconstruct.perf_impact
raid.resync.perf_impact	storage raid-options modify -raid.resync.perf_impact
raid.rpm.ata.enable	storage raid-options modify -raid.rpm.ata.enable
raid.rpm.fcal.enable	storage raid-options modify -raid.rpm.fcal.enable
raid.scrub.duration	storage raid-options modify -raid.scrub.duration

7-Mode command	Cluster-Mode commands
raid.scrub.enable	storage raid-options modify -raid.scrub.enable Note: The Cluster-Mode command is advanced privilege level.
raid.scrub.perf_impact	storage raid-options modify -raid.scrub.perf_impact
raid.scrub.schedule	storage raid-options modify -raid.scrub.schedule
raid.timeout	storage raid-options modify -raid.timeout
raid.verify.perf_impact	storage raid-options modify -raid.verify.perf_impact
replication.throttle.enable	snapmirror modify -throttle
security.admin.authentication	security login modify
security.admin.nsswitchgroup	security login modify
security.passwd.firstlogin.enable	security login role config modify
security.passwd.lockout.numtries	security login role config modify
security.passwd.rootaccess.enable	security login modify
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	security login role config modify
security.passwd.rules.minimum.digit	security login role config modify

7-Mode command	Cluster-Mode commands
security.passwd.rules.mini mum.symbol	security login role config modify
shelf.atfcx.auto.reset.enable	run -node { <i>nodename</i> } options shelf.atfcx.auto.reset.enable system node run -node { <i>nodename</i> } options shelf.atfcx.auto.reset.enable
shelf.esh4.auto.reset.enable	run -node { <i>nodename</i> } options shelf.esh4.auto.reset.enable system node run -node { <i>nodename</i> } options shelf.esh4.auto.reset.enable
shelf.fw.ndu.enable	run -node { <i>nodename</i> } options shelf.fw.ndu.enable system node run -node { <i>nodename</i> } options shelf.fw.ndu.enable
snapmirror.access	snapmirror create
snmp.access	system services firewall policy modify OR network interface modify
snmp.enable	node run -node { <i>nodename</i> } options snmp.enable system node run -node { <i>nodename</i> } options snmp.enable
ssh.access	security login modify
ssh.pubkey_auth.enable	security login modify -authmethod publickey
ssl.enable	security ssl modify -enabled
tape.reservations	run -node { <i>nodename</i> } options tape.reservations system node run -node { <i>nodename</i> } options tape.reservations
timed.enable	system services ntp config modify -enabled
timed.proto	system services ntp server modify -version
timed.servers	system services ntp server modify -server
wafl.default_nt_user	vserver nfs modify -default-win-user
wafl.default_unix_user	vserver cifs options modify -default-unix-user
wafl.group_cp	run -node { <i>nodename</i> } options wafl.group_cp system node run -node { <i>nodename</i> } options wafl.group_cp
wafl.inconsistent.asup_freq uency.blks	run -node { <i>nodename</i> } options wafl.inconsistent.asup_frequency.blks system node run -node { <i>nodename</i> } options wafl.inconsistent.asup_frequency.blks

7-Mode command	Cluster-Mode commands
wafl.inconsistent.asup_frequency.time	run -node { <i>nodename</i> } options wafl.inconsistent.asup_frequency.time system node run -node { <i>nodename</i> } options wafl.inconsistent.asup_frequency.time
wafl.inconsistent.ems_suppress	run -node { <i>nodename</i> } options wafl.inconsistent.ems_suppress system node run -node { <i>nodename</i> } options wafl.inconsistent.ems_suppress
wafl.maxdirsize	run -node { <i>nodename</i> } options wafl.maxdirsize system node run -node { <i>nodename</i> } options wafl.maxdirsize
wafl.nt_admin_priv_map_to_root	vserver name-mapping create
wafl.root_only_chown	vserver nfs modify -chown-mode

7-Mode configuration flat files

You can find information about the Data ONTAP 7-Mode configuration flat files and the equivalent Data ONTAP Cluster-Mode configuration commands.

When Data ONTAP is operating in 7-Mode, flat files are often used to execute configuration commands. However, when Data ONTAP is operating in Cluster-Mode, administrators and other users can execute configuration commands.

The following table shows the 7-Mode commands and their equivalent Cluster-Mode configuration commands:

7-Mode configuration flat files	Cluster-Mode configuration commands
/etc/usermap.cfg	vserver name-mapping create
/etc/nsswitch.conf	vserver modify
/etc/resolv.conf	vserver services dns modify
/etc/symlink.translations	vserver cifs symlink
/etc/hosts	vserver services dns hosts
/etc/hosts.equiv	N/A, use security login commands to create user access profiles
/etc/cifs_homedir.cfg	vserver cifs home-directory search-path
/etc/exports	vserver export-policy
/etc/rc	Data ONTAP operating in Cluster-Mode has transferred the retention of node configuration information processed at boot to other internal files that retain configuration information. This contrasts with Data ONTAP operating in 7-Mode, where features configured in memory are also retained in the /etc/rc file to be replayed at boot and reconfigured.
/etc/messages	event log show
/etc/motd	N/A
/etc/quotas	volume quota

7-Mode configuration flat files	Cluster-Mode configuration commands
/etc/snapmirror.allow	Inter-cluster relationships exist between two clusters. Intra-cluster relationships exist between two nodes on the same cluster. Authentication of the remote cluster occurs during the creation of the cluster peering relationship. Intra-cluster snapmirror create can only be performed by the cluster administrator to enforce per Vserver security.
/etc/snapmirror.conf	snapmirror create

For systems shell items, specific steps should be followed as described in the following NetApp [Knowledgebase](#) articles (proper login credentials are required):

- Collect diagnostic files from the root volume: [KB 1013814](#)
- Collect and upload a core file: [KB 1011839](#)
- Update time zone files: [KB 1011616](#)

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