



ONTAP® 9

Command Map for 7-Mode Administrators

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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](#) on page 55

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A

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

7-Mode command	ONTAP command
aggr media_scrub	system node run -node {nodename local} aggr media_scrub
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
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

7-Mode command	ONTAP command
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
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
cf status	cf status storage failover show
cf takeover	cf takeover storage failover takeover
charmmap	vserver cifs character-mapping
cifs access	cifs access vserver cifs access
cifs branchcache	cifs branchcache vserver cifs branchcache
cifs changefilerpwd	cifs changefilerpwd vserver cifs changefilerpwd

7-Mode command	ONTAP command
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
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

7-Mode command	ONTAP command
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
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>nodename</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

7-Mode command	ONTAP command
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
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
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.

7-Mode command	ONTAP command
environment shelf_log	environment shelf_log system node run -node {nodename local} -command environment shelf_log
environment shelf_stats	system node run -node {nodename local} -command environment shelf_stats
environment shelf_power_statuses	Not supported You must use the “storage shelf” command set.
environment chassis	system node run -node {nodename local} -command environment chassis
environment chassis list-sensors	system node run -node {nodename 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

7-Mode command	ONTAP command
fcadmin config	system node run -node {nodename local} -command fcadmin config
fcadmin link_stats	system node run -node {nodename local} -command fcadmin link_stats
fcadmin fcal_stats	system node run -node {nodename local} -command fcadmin fcal_stats
fcadmin device_map	system node run -node {nodename local} -command fcadmin device_map
fcnic	Not supported
fcp config	network fcp adapter modify
fcp nameserver	fc nameserver show vserver fcp nameserver show
fcp nodename	vserver fcp nodename
fcp ping	fc ping-igroup show OR fcp ping-initiator show vserver fcp ping-igroup show OR vserver fcp ping-initiator show
fcp portname	fc portname show vserver fcp portname show
fcp show	vserver fcp show
fcp start	fc start vserver fcp start

7-Mode command	ONTAP command
fcv stats	fcv stats fcv adapter stats
fcv status	vserver fcv status
fcv stop	fcv stop vserver fcv stop
fcv topology	network fcv topology show OR vserver fcv topology show
fcv wwpn-alias	fcv wwpn-alias vserver fcv wwpn-alias
fcv zone	fcv zone show network fcv zone show
fcv dump	fcv adapter dump network fcv adapter dump
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	? Note: You must type the question mark (?) symbol to execute this command in ONTAP.
hostname	hostname system hostname
httpstat	Not supported You 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 interface network {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
ifgrp favor	system node run -node { <i>nodename</i> local} -command ifgrp favor
ifgrp nofavor	system node run -node { <i>nodename</i> local} -command ifgrp nofavor
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

7-Mode command	ONTAP command
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
igroup set	igroup lun 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 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
iscsi portal	iscsi portal vserver iscsi portal
iscsi security	iscsi security vserver iscsi security

7-Mode command	ONTAP command
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> Note: Available at the advanced privilege level.
iscsi stop	iscsi stop vserver iscsi stop

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 Note: 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>

7-Mode command	ONTAP command
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>
lock status -o owner	vserver locks show -owner-id <i>owner id</i>
lock status -p protocol	vserver locks show -protocol <i>protocol</i>
logger	logger system node run -node {nodename local} -command logger
logout	exit
lun clone	volume file clone create
lun comment	lun comment
lun config_check	Not supported
lun create	lun create -vserver <i>vserver_name</i>
lun destroy	lun delete
lun map	lun map -vserver <i>vserver_name</i>
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 set	lun set
lun setup	lun create
lun share	Not supported
lun show	lun show
lun snap	Not supported
lun stats	statistics show -object lun* Note: Available at the advanced privilege level.
lun unmap	lun unmap

M

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

N

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

7-Mode command	ONTAP command
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

7-Mode command	ONTAP command
partner	Not supported
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

7-Mode command	ONTAP command
portset show	portset show lun portset show
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 statistics volume qtree statistics
quota allow	quota modify -state volume quota modify -state on
quota disallow	quota modify -state volume 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
restore_backup	system node restore-backup Note: 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

7-Mode command	ONTAP command
route -s	route show network route show Note: 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
sasadmin expander_phy_state	system node run -node {nodename local} -command sasadmin expander_phy_state
sasadmin shelf	storage shelf
sasadmin shelf_short	storage shelf
sasstat dev_stats	system node run -node {nodename local} -command sasstat dev_stats
sasstat adapter_state	system node run -node {nodename local} -command sasstat adapter_state
sasstat expander	system shelf show -port
sasstat expander_map	storage shelf show -module
sasstat expander_phy_state	system node run -node {nodename local} sasstat expander_phy_state
sasstat shelf	storage shelf
savecore	system node coredump save-all
savecore -i	system node coredump config show -i
savecore -l	system node coredump show

7-Mode command	ONTAP command
<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>
<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

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

7-Mode command	ONTAP command
<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>
<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>

7-Mode command	ONTAP command
<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>
<code>statit</code>	<code>statistics {start stop show} -preset statit</code>
<code>stats</code>	<code>statistics {start stop show} -object object</code> Note: 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>
<code>storage download acp</code>	<code>Storage shelf acp firmware update</code>

7-Mode command	ONTAP command
storage download shelf	storage firmware download Note: Available at the advanced privilege level.
storage enable adapter	system node run -node {nodename local} -command storage enable adapter
storage load balance	storage load balance
storage load show	storage load show
storage show acp	system node run -node {nodename local} -command storage show acp
storage show adapter	system node run -node {nodename local} -command storage show adapter
storage show bridge	storage bridge show
storage show disk	storage show disk storage disk show
storage show expander	storage shelf
storage show fabric	system node run -node {nodename local} -command storage show fabric
storage show fault	system node run -node nodename -command storage show fault
storage show hub	system node run -node {nodename local} -command storage show hub
storage show initiators	system node run -node {nodename local} -command storage show initiators
storage show mc	storage tape show-media-changer
storage show port	storage switch
storage show shelf	storage shelf
storage show switch	storage switch show
storage show tape	storage tape show-tape-drive
storage stats tape	statistics show -object tape
storage stats tape zero	statistics {start stop show} -object tape
storage unalias	storage tape alias clear

7-Mode command	ONTAP command
<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>sysconfig -M</code>	<code>system node run -node {nodename local} -command sysconfig -M</code>
<code>sysconfig -p</code>	<p>Not supported</p> <p>You must use the following commands as alternatives:</p> <ul style="list-style-type: none"> • Hypervisor information: <code>system node virtual-machine hypervisor show</code> • System disks backing stores: <code>system node virtual-machine instance show-system-disks</code> • Virtual disks backing information: <code>storage disk show -virtual-machine-disk-info</code>
<code>sysconfig -P</code>	<code>system controller config pci show-hierarchy</code>
<code>sysconfig -r</code>	<p>Not supported</p> <p>To view disk information, you must use the following commands:</p> <ul style="list-style-type: none"> • File system disks: <code>storage aggregate showstatus</code> • Spare disks: <code>storage aggregate show-sparedisks</code> • Broken disks: <code>storage disk show -broken</code> • Disks in the maintenance center: <code>storage disk show -maintenance</code>
<code>sysconfig -t</code>	<code>storage tape show</code>
<code>sysconfig -v</code>	<code>system node run -node nodename -command sysconfig -v</code>
<code>sysconfig -V</code>	<code>system node run -node {nodename local} -command sysconfig -V</code>

7-Mode command	ONTAP command
<code>sysstat</code>	<code>statistics {start stop show} -preset sysstat</code> Note: Available at the advanced privilege level.
<code>system health alert</code>	<code>system health alert</code>
<code>system health autosupport</code>	<code>system health autosupport</code>
<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 <code>network traceroute { -node <i>nodename</i> -lif <i>lif-name</i> } -maxttl <i>integer</i></code>
<code>traceroute -n</code>	traceroute -n <code>network traceroute -node { <i>nodename</i> -lif <i>lif-name</i> } -numeric true</code>
<code>traceroute -p</code>	traceroute -p <code>network traceroute { -node <i>nodename</i> -lif <i>lif-name</i> } -port <i>integer</i></code>
<code>traceroute -q</code>	traceroute -q <code>network traceroute { -node <i>nodename</i> -lif <i>lif-name</i> } -nqueries <i>integer</i></code>
<code>traceroute -s</code>	Not supported
<code>traceroute -v</code>	traceroute -v <code>network traceroute { -node <i>nodename</i> -lif <i>lif-name</i> } -verbose [true]</code>
<code>traceroute -w</code>	traceroute -w <code>network traceroute { -node <i>nodename</i> -lif <i>lif-name</i> } -waittime <i>integer</i></code>

U

7-Mode command	ONTAP command
<code>ucadmin</code>	<code>system node hardware unified-connect</code>

7-Mode command	ONTAP command
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
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

7-Mode command	ONTAP command
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
volume autosize	volume autosize
volume clone	volume clone
volume clone split	volume clone split
volume container	volume show -fields aggregate
volume copy	<p>Not supported</p> <p>You must use one of the following methods as described in logical storage documentation:</p> <ul style="list-style-type: none"> • Create a FlexClone volume of the original volume, then move the volume to another aggregate by using the <code>volume move</code> command. • Replicate the original volume using SnapMirror, then break the SnapMirror relationship to make a read-write volume copy. <p><i>Logical Storage Management Guide</i></p>
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

7-Mode command	ONTAP command
volume quota disallow	Not supported
volume rename	volume rename
volume restrict	volume restrict
volume scrub	Not supported
volume size	volume size
volume snapshot delta	Not supported
volume snapshot reserve	<p>Not supported</p> <p>Alternative commands include the following:</p> <ul style="list-style-type: none"> 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 wafliron	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
vserver iscsi ip_tpgroup destroy	Not supported
vserver iscsi ip_tpgroup remove	Not supported
vserver iscsi ip_tpgroup show	Not supported

7-Mode command	ONTAP command
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](#) on page 55

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A

7-Mode option	Clustered Data ONTAP command
<code>acp.domain</code>	<code>system node run -node {nodename local} options acp.domain</code>
<code>acp.enabled</code>	<code>system node run -node {nodename local} options acp.enabled</code>
<code>acp.netmask</code>	<code>system node run -node {nodename local} options acp.netmask</code>
<code>acp.port</code>	<code>system node run -node {nodename local} options acp.port</code>
<code>auditlog.enable</code>	<code>security audit</code>
<code>auditlog.max_file_size</code>	Not supported

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

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

B

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

C

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

7-Mode option	Clustered Data ONTAP command
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 Note: 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 Note: 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
cf.takeover.on_short_uptime	storage failover modify -onshort-uptime Note: 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

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

7-Mode option	Clustered Data ONTAP command
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
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

7-Mode option	Clustered Data ONTAP command
cifs.W2K_password_change_within	<code>vserver cifs domain password change schedule</code>
cifs.widelink.ttl	Not supported
console.encoding	Not supported
coredump.dump.attempts	<code>system node coredump config modify -coredump-attempts</code>
coredump.metadata_only	<code>system node coredump config modify -sparsecore-enabled true</code>

D

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

E

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

F

7-Mode option	Clustered Data ONTAP command
fcg.enable	<code>fcg start</code>
flexcache.access	Not supported
flexcache.deleg.high_water	Not supported
flexcache.deleg.low_water	Not supported
flexcache.enable	Not supported
flexcache.per_client_stats	Not supported
flexscale.enable	<code>system node run -node node_name local} options flexscale.enable</code>
flexscale.lopri_blocks	<code>system node run -node node_name local} options flexscale.lopri_blocks</code>
flexscale.normal_data_blocks	<code>system node run -node node_name local} options flexscale.normal_data_blocks</code>
flexscale.pcs_high_res	<code>system node run -node node_name local} options flexscale.pcs_high_res</code>
flexscale.pcs_size	<code>system node run -node node_name local} options flexscale.pcs_size</code>
flexscale.rewarm	<code>system node run -node node_name local} options flexscale.rewarm</code>
fpolicy.enable	<code>vserver fpolicy enable</code>
fpolicy.i2p_ems_interval	Not supported
fpolicy.multiple_pipes	Not supported
ftpd.3way.enable	Not supported
ftpd.anonymous.enable	Not supported
ftpd.anonymous.home_dir	Not supported
ftpd.anonymous.name	Not supported
ftpd.auth_style	Not supported
ftpd.bypass_traverse_checking	Not supported
ftpd.dir.override	Not supported
ftpd.dir.restriction	Not supported

7-Mode option	Clustered Data ONTAP command
ftpd.enable	Not supported
ftpd.explicit.allow_secure_data_conn	Not supported
ftpd.explicit.enable	Not supported
ftpd.idle_timeout	Not supported
ftpd.implicit.enable	Not supported
ftpd.ipv6.enable	Not supported
ftpd.locking	Not supported
ftpd.log.enable	Not supported
ftpd.log.filesize	Not supported
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
httpd.timewait.enable	Not supported

I

7-Mode option	Clustered Data ONTAP command
ifgrp.failover.link_degraded	Not supported
interface.blocked.cifs	<code>network interface create -data-protocol</code>
interface.blocked.iscsi	<code>network interface create -data-protocol</code>
interface.blocked.mgmt_data_traffic	<code>network interface create -role</code>
interface.blocked.ndmp	<code>system services firewall policy modify -policy policy_name -service ndmp</code>
interface.blocked.nfs	<code>network interface create -data-protocol</code>
interface.blocked.snapmirror	<code>network interface create -role</code>
ip.fastpath.enable	<code>system node run -node node_name local} options ip.fastpath.enable</code> Note: 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	<code>system node run -node node_name local} options ip.path_mtu_discovery.enable</code>
ip.ping_throttle.alarm_interval	<code>system node run -node node_name local} options ip.ping_throttle.alarm_node_nameinterval</code>
ip.ping_throttle.drop_level	<code>system node run -node local} options ip.ping_throttle.drop.level</code>
ip.tcp.abc.enable	<code>system node run -node node_name local} options ip.tcp.abc.enable</code>
ip.tcp.abc.l_limit	<code>system node run -node node_name local} options ip.tcp.abc.l_limit</code>
ip.tcp.batching.enable	<code>system node run -node node_name local} options ip.tcp.batching.enable</code>
ip.tcp.newreno.enable	Not supported
ip.tcp.rfc3390.enable	<code>system node run -node node_name local} options ip.tcp.rfc3390.enable</code>
ip.tcp.sack.enable	<code>system node run -node node_name local} options ip.tcp.sack.enable</code>
ip.v6.enable	<code>network options ipv6 modify</code>
ip.v6.ra_enable	Not supported
iscsi.auth.radius.enable	Not supported

7-Mode option	Clustered Data ONTAP command
<code>iscsi.enable</code>	<code>iscsi start</code>
<code>iscsi.max_connections_per_session</code>	<code>iscsi modify -max -conn-per-session</code>
<code>iscsi.max_error_recovery_level</code>	<code>iscsi modify -max-error-recovery-level</code>

K

7-Mode option	Clustered Data ONTAP command
<code>kerberos.file_keytab.principal</code>	Not supported
<code>kerberos.file_keytab.realmipal</code>	Not supported

L

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

7-Mode option	Clustered Data ONTAP command
ldap.nssmap.attribute.groupname	<p><code>ldap client schema modify -cn-group-attribute</code></p> <p>Note: Available at the advanced privilege level.</p>
ldap.nssmap.attribute.homeDirectory	<p><code>ldap client schema modify -home-directory-attribute</code></p> <p>Note: Available at the advanced privilege level.</p>
ldap.nssmap.attribute.loginShell	<p><code>ldap client schema modify -login-shell-attribute</code></p> <p>Note: Available at the advanced privilege level.</p>
ldap.nssmap.attribute.memberNisNetgroup	<p><code>ldap client schema modify -member-nis-netgroup-attribute</code></p> <p>Note: Available at the advanced privilege level.</p>
ldap.nssmap.attribute.memberUid	<p><code>ldap client schema modify -member-uid-attribute</code></p> <p>Note: Available at the advanced privilege level.</p>
ldap.nssmap.attribute.netgroupname	<p><code>ldap client schema modify -cn-netgroup-attribute</code></p> <p>Note: Available at the advanced privilege level.</p>
ldap.nssmap.attribute.nisNetgroupTriple	<p><code>ldap client schema modify -nis-netgroup-triple-attribute</code></p> <p>Note: Available at the advanced privilege level.</p>
ldap.nssmap.attribute.uid	<p><code>ldap client schema modify -uid-attribute</code></p> <p>Note: Available at the advanced privilege level.</p>
ldap.nssmap.attribute.uidNumber	<p><code>ldap client schema modify -uid-number-attribute</code></p> <p>Note: Available at the advanced privilege level.</p>
ldap.nssmap.attribute.userPassword	<p><code>ldap client schema modify -user-password-attribute</code></p> <p>Note: Available at the advanced privilege level.</p>
ldap.nssmap.objectClass.nisNetgroup	<p><code>ldap client schema modify -nis-netgroup-object-class</code></p> <p>Note: Available at the advanced privilege level.</p>
ldap.nssmap.objectClass.posixAccount	<p><code>ldap client schema modify -posix-account-object-class</code></p> <p>Note: Available at the advanced privilege level.</p>

7-Mode option	Clustered Data ONTAP command
ldap.nssmap.objectClass.posixGroup	<code>ldap client schema modify -posix-group-object-class</code> Note: Available at the advanced privilege level.
ldap.passwd	<code>vserver services name-service ldap client modify-bind-password</code>
ldap.port	<code>vserver services name-service ldap client modify -port</code>
ldap.servers	<code>vserver services name-service ldap client modify -servers</code>
ldap.servers.preferred	<code>vserver services name-service ldap client modify -preferred-ad-servers</code>
ldap.ssl.enable	Not supported
ldap.timeout	<code>vserver services name-service ldap client modify -query-timeout</code>
ldap.usermap.attribute.windowsaccount	<code>ldap client schema modify -windows-account-attribute</code> Note: Available at the advanced privilege level.
ldap.usermap.base	<code>ldap client modify -user-dnldap DN-user-scope</code> Note: 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
licensed_feature.nearstore_option.enable	Not supported
licensed_feature.vld.enable	Not supported
locking.grace_lease_seconds	<code>vserver nfs modify -v4-grace-seconds</code>
lun.clone_restore	Not supported
lun.partner_unreachable.linux.asc	Not supported
lun.partner_unreachable.linux.ascq	Not supported

7-Mode option	Clustered Data ONTAP command
<code>lun.partner_unreachable.linux.behavior</code>	Not supported
<code>lun.partner_unreachable.linux.hold_time</code>	Not supported
<code>lun.partner_unreachable.linux.scsi_status</code>	Not supported
<code>lun.partner_unreachable.linux.skey</code>	Not supported
<code>lun.partner_unreachable.vmware.behavior</code>	Not supported
<code>lun.partner_unreachable.vmware.hold_time</code>	Not supported

N

7-Mode option	Clustered Data ONTAP command
<code>ndmpd.abort_on_disk_error</code>	<code>options ndmpd.abort_on_disk_error</code> Note: Available at the advanced privilege level.
<code>ndmpd.access</code>	<code>system services firewall policy modify -policy * -service ndmp -allow-list</code>
<code>ndmpd.authtype</code>	<code>system services ndmpd modify -clear-text</code>
<code>ndmpd.connectlog.enabled</code>	Not supported
<code>ndmpd.data_port_range</code>	Not supported
<code>ndmpd.enable</code>	Not supported
<code>ndmpd.ignore_ctime.enabled</code>	Not supported
<code>ndmpd.maxversion</code>	Not supported
<code>ndmpd.offset_map.enable</code>	Not supported
<code>ndmpd.password_length</code>	Not supported
<code>ndmpd.preferred_interface</code>	Not supported
<code>ndmpd.tcpnodelay.enable</code>	Not supported
<code>ndmpd.tcpwinsize</code>	Not supported
<code>nfs.assist.queue.limit</code>	Not supported
<code>nfs.authsys.extended_groups_enabled</code>	<code>vserver nfs modify -auth-sys-extended-groups</code> Note: Available at the advanced privilege level.
<code>nfs.export.allow_provisional_access</code>	Not supported
<code>nfs.export.auto-update</code>	Not supported

7-Mode option	Clustered Data ONTAP command
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
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 Note: Available at the advanced privilege level.
nfs.require_valid_mapped_uid	vserver name-mapping create
nfs.response.trace	vserver nfs modify -trace-enabled Note: Available at the advanced privilege level.
nfs.response.trigger	vserver nfs modify -trigger Note: Available at the advanced privilege level.
nfs.rpcsec.ctx.high	nfs modify -rpcsec-ctx-high Note: Available at the advanced privilege level.
nfs.rpcsec.ctx.idle	nfs modify -rpcsec-ctx-idle Note: Available at the advanced privilege level.
nfs.tcp.enable	vserver nfs modify -tcp
nfs.thin_prov.ejuke	vserver nfs modify -enable-ejukebox Note: Available at the advanced privilege level.
nfs.udp.enable	vserver nfs modify -udp
nfs.udp.xfersize	vserver nfs modify -udp-max-xfer-size Note: Available at the advanced privilege level.
nfs.v2.df_2gb_lim	Not supported

7-Mode option	Clustered Data ONTAP command
nfs.v2.enable	Not supported
nfs.v3.enable	<code>vserver nfs modify -v3</code>
nfs.v4.acl.enable	<code>vserver nfs modify -v4.0-acl</code>
nfs.v4.enable	<code>vserver nfs modify -v4.0</code>
nfs.v4.id.allow_numerics	<code>vserver nfs modify -v4-numeric-ids</code>
nfs.v4.id.domain	<code>vserver nfs modify -v4-id-domain</code>
nfs.v4.read_delegation	<code>vserver nfs modify -v4.0-read-delegation</code>
nfs.v4.write_delegation	<code>vserver nfs modify -v4.0-write-delegation</code>
nfs.vstorage.enable	<code>vserver nfs modify -vstorage</code>
nfs.webnfs.enable	Not supported
nfs.webnfs.rootdir	Not supported
nfs.webnfs.rootdir.set	Not supported
nis.domainname	<code>vserver services name-service nis-domain modify -domain</code>
nis.enable	<code>vserver services name-service nis-domain modify -active</code>
nis.group_update.enable	Not supported
nis.group_update_schedule	Not supported
nis.netgroup.domain_search.enable	Not supported
nis.servers	<code>vserver services name-service nis-domain modify -servers</code>
nis.slave.enable	Not supported
nlm.cleanup.timeout	Not supported

P

7-Mode option	Clustered Data ONTAP command
pcnfsd.enable	Not supported
pcnfsd.umask	Not supported

Q

7-Mode option	Clustered Data ONTAP command
qos.classify.count_all_matches	Not supported

R

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

7-Mode option	Clustered Data ONTAP command
raid	<code>storage raid-options { modify show }</code>
raid.background_disk_fw_update.enable	<code>storage disk option modify -bkg-firmware-update</code>
raid.disk.copy.auto.enable	<code>storage raid-options modify -raid.disk.copy.auto.enable</code>
raid.disk.timeout.enable	<code>system node run -node {node_name local} options raid.disk.timeout.enable</code>
raid.disktype.enable	Not supported
raid.disktype.enable	<code>raid-options modify raid.lost_write.enable</code> Note: Available at the advanced privilege level.
raid.lost_write.enable	<code>storage raid-options { modify show } -name raid.media_scrub.enable</code>
raid.media_scrub.rate	<code>storage raid-options { modify show } -name raid.media_scrub.rate</code>
raid.min_spare_count	<code>storage raid-options { modify show } -name raid.min_spare_count</code>
raid.mix.hdd.disktype.capacity	<code>storage raid-options { modify show } -name raid.mix.hdd.disktype.capacity</code>
raid.mix.hdd.disktype.performance	<code>storage raid-options { modify show } -name raid.mix.hdd.disktype.performance</code>
raid.mix.hdd.rpm.capacity	<code>storage raid-options { modify show } -name raid.mix.hdd.rpm.capacity</code>
raid.mix.hdd.rpm.performance	<code>storage raid-options { modify show } -name raid.mix.hdd.rpm.performance</code>
raid.mirror_read_plex_pref	<code>storage raid-options { modify show } -name raid.mirror_read_plex_pref</code>
raid.reconstruct.perf_impact	<code>storage raid-options { modify show } -name raid.reconstruct.perf_impact</code>
raid.resync.perf_impact	<code>storage raid-options { modify show } -name raid.resync.perf_impact</code>
raid.rpm.ata.enable	Not supported
raid.rpm.fcald.enable	Not supported
raid.scrub.duration	<code>storage raid-options { modify show } -name raid.scrub.duration</code>

7-Mode option	Clustered Data ONTAP command
raid.scrub.perf_impact	<code>storage raid-options { modify show }-name raid.scrub.perf_impact</code>
raid.scrub.schedule	<code>storage raid-options { modify show }-name raid.scrub.schedule</code>
raid.timeout	<code>storage raid-options { modify show }-name raid.timeout</code>
raid.verify.perf_impact	<code>storage raid-options{ modify show }-name raid.verify.perf_impact</code>
replication.logical.reserved_transfers	<code>snapmirror set-options -xdp-source-xfer-reserve-pct</code>
replication.throttle.enable	<code>snapmirror modify -throttle</code>
replication.volume.reserved_transfers	<code>snapmirror set-options -dp-source-xfer-reserve-pct</code>
replication.volume.use_auto_resync	Not supported
rpc.mountd.tcp.port	<code>vserver nfs modify -mountd-port</code> Note: Available at the advanced privilege level.
rpc.mountd.udp.port	<code>vserver nfs modify -mountd-port</code> Note: Available at the advanced privilege level.
rpc.nlm.tcp.port	<code>vserver nfs modify -nlm-port</code> Note: Available at the advanced privilege level.
rpc.nlm.udp.port	<code>vserver nfs modify -nlm-port</code> Note: Available at the advanced privilege level.
rpc.nsm.tcp.port	<code>vserver nfs modify -nsm-port</code> Note: Available at the advanced privilege level.
rpc.nsm.udp.port	<code>vserver nfs modify -nsm-port</code> Note: Available at the advanced privilege level.
rpc.pcnfsd.tcp.port	Not supported
rpc.pcnfsd.udp.port	Not supported
rpc.rquotad.udp.port	<code>vserver nfs modify -rquotad-port</code> Note: Available at the advanced privilege level.
rquotad.enable	<code>vserver nfs modify -rquota</code>
rsh.access	<code>system services firewall policy create -policy mgmt -service rsh -allow-list</code>

7-Mode option	Clustered Data ONTAP command
rsh.enable	<code>system services firewall policy create -policy mgmt -service rsh -allow-list</code>

S

7-Mode option	Clustered Data ONTAP command
security.admin.authentication	<code>security login modify</code>
security.admin.nsswitchgroup	<code>vserver modify</code>
security.passwd.firstlogin.enable	<code>security login role config modify</code>
security.passwd.lockout.numtries	<code>security login role config modify</code>
security.passwd.rootaccess.enable	Not supported
security.passwd.rules.enable	<code>security login role config modify</code>
security.passwd.rules.everyone	<code>security login role config modify</code>
security.passwd.rules.history	<code>security login role config modify</code>
security.passwd.rules.maximum	<code>security login role config modify</code>
security.passwd.rules.minimum	<code>security login role config modify</code>
security.passwd.rules.minimum.alphabetic	Not supported
security.passwd.rules.minimum.digit	<code>security login role config modify</code>
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
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

7-Mode option	Clustered Data ONTAP command
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
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

7-Mode option	Clustered Data ONTAP command
ssl.enable	<code>security ssl modify -server -enabled</code>
ssl.v2.enable	<code>system services web modify -sslv2-enabled</code>
ssl.v3.enable	<code>system services web modify -sslv3-enabled</code>
stats.archive.frequency_config	Not supported

T

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

7-Mode option	Clustered Data ONTAP command
vsm.smtape.concurrent.cascade.support	Not supported

W

7-Mode option	Clustered Data ONTAP command
waf1.default_nt_user	<code>vserver nfs modify -default-win-user</code>
waf1.default_unix_user	<code>vserver cifs options modify -default-unix-user</code>
waf1.inconsistent.asup_frequency.blks	<code>system node run -node{node_name local} options waf1.inconsistent.asup_frequency.blks</code>
waf1.inconsistent.asup_frequency.time	<code>system node run -node{node_name local} options waf1.inconsistent.asup_frequency.time</code>
waf1.inconsistent.ems_suppress	<code>system node run -node{node_name local} options waf1.inconsistent.ems_suppress</code>
waf1.maxdirsize	<code>vol create -maxdir-size</code> Note: Available at the advanced privilege level.
waf1.nt_admin_priv_map_to_root	<code>vserver name-mapping create</code>
waf1.root_only_chown	<code>vserver nfs modify -chown-mode</code> Note: Available at the advanced privilege level.
waf1.wcc_minutes_valid	Not supported
webdav.enable	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
/etc/cifs_homedir.cfg	vserver cifs home-directory search-path
/etc/exports	vserver export-policy
/etc/hosts	vserver services dns hosts
/etc/hosts.equiv	Not applicable. The security login commands create user access profiles.
/etc/messages	event log show
/etc/motd	security login motd modify
/etc/nsswitch.conf	vserver modify
/etc/rc	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 /etc/rc file to be replayed at boot and reconfigured.
/etc/quotas	volume quota
/etc/resolv.conf	vserver services dns modify
/etc/snapmirror.allow	Intercluster relationships exist between two clusters. Intracuster relationships exist between two nodes on the same cluster. Authentication of the remote cluster occurs during the creation of the cluster peering relationship. Intracuster snapmirror create 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](#) on page 4
- [How 7-Mode options map to clustered Data ONTAP commands](#) on page 32
- [How 7-Mode configuration files map to clustered Data ONTAP commands](#) on page 54

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	<i>ONTAP 9 commands</i>
Use nodeshell commands	<i>Data ONTAP 8. 2 Commands: Manual Page Reference for 7-Mode, Volume 1</i>
Execute CLI commands, navigate CLI command directories, set values in the CLI, and use queries, patterns, and wildcards	<i>System administration</i>

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