



# How 7-Mode options map to ONTAP commands

## ONTAP 7-Mode Transition

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# How 7-Mode options map to ONTAP commands

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

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

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

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

## A-E

### A

7-Mode option	Clustered Data ONTAP command
<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
<code>auditlog.readonly_api.enable</code>	<code>security audit</code>
<code>autologout.console.enable</code>	<code>system timeout modify -timeout</code>
<code>autologout.console.timeout</code>	<code>system timeout modify -timeout</code>
<code>autologout.telnet.enable</code>	Not supported

<b>7-Mode option</b>	<b>Clustered Data ONTAP command</b>
autologout.telnet.timeout	Not supported
autosupport.cifs.verbose	Not supported
autosupport.content	<b>system node autosupport modify -node <i>nodename</i> -remove -private -data {true false}</b>
autosupport.doit	<b>system node autosupport invoke -node <i>nodename</i> -type {all test}</b>
autosupport.enable	<b>system node autosupport modify -node <i>nodename</i> -state {enable disable}</b>
autosupport.from	<b>system node autosupport modify -node <i>nodename</i> -from</b>
autosupport.local_collection	<b>system node autosupport modify -node <i>nodename</i> -local-collection {true false}</b>
autosupport.mailhost	<b>system node autosupport modify -node <i>nodename</i> -mail-hosts</b>
autosupport.max_http_size	<b>system node autosupport modify -node <i>nodename</i> -max-http-size</b>
autosupport.max_smtp_size	<b>system node autosupport modify -node <i>nodename</i> -max-smtp-size</b>
autosupport.minimal.subject.id	<b>system node autosupport modify -node <i>nodename</i> -hostname-subj</b>
autosupport.nht_data.enable (not in smf)	<b>autosupport modify -nht</b>  <b>system node autosupport modify -nht</b>
autosupport.noteto	<b>system node autosupport modify -node <i>nodename</i> -noteto</b>
autosupport.partner.to	<b>system node autosupport modify -node <i>nodename</i> -partner-address</b>

<b>7-Mode option</b>	<b>Clustered Data ONTAP command</b>
autosupport.performance_data.doit	<b>system node autosupport invoke -node <i>nodename</i> -type performance</b>
autosupport.performance_data.enable	<b>system node autosupport modify -node <i>nodename</i> -perf {true false}</b>
autosupport.periodic.tx_window	<b>system node autosupport modify -node <i>nodename</i> -periodic-tx-window</b>
autosupport.retry.count	<b>system node autosupport modify -node <i>nodename</i> -retry-count</b>
autosupport.retry.interval	<b>system node autosupport modify -node <i>nodename</i> -retry-interval</b>
autosupport.support.enable	<b>system node autosupport modify -node <i>nodename</i> -support {enable disable}</b>
autosupport.support.proxy	<b>system node autosupport modify -node <i>nodename</i> -proxy-url</b>
autosupport.support.reminder	<b>system node autosupport show -node <i>nodename</i> -fields reminder</b>
autosupport.support.transport	<b>system node autosupport modify -node <i>nodename</i> -transport {http https smtp}</b>
autosupport.to	<b>system node autosupport modify -node <i>nodename</i> -to</b>
autosupport.validate_digital_certificate	<b>system node autosupport modify -node <i>nodename</i> -validate-digital-certificate {true false}</b>

## **B**

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



## **C**

7-Mode option	Clustered Data ONTAP command
cdpd.enable	<b>system node run -node {nodename local} options cdpd.enable</b>
cdpd.holdtime	<b>system node run -node {nodename local} options cdpd.holdtime</b>
cdpd.interval	<b>system node run -node {nodename local} options cdpd.interval</b>
cf.giveback.auto.after.panic.takeover	<b>storage failover modify -auto-giveback -after-panic</b>
cf.giveback.auto.cancel.on_network_failure	Not supported
cf.giveback.auto.delay.seconds	<b>storage failover modify -delay-seconds</b>
cf.giveback.auto.enable	<b>storage failover modify -auto-giveback</b>
cf.hw_assist.enable	<b>storage failover modify -hwassist</b>
cf.hw_assist.partner.address	<b>storage failover modify -hwassist -partner-ip</b>
cf.hw_assist.partner.port	<b>storage failover modify -hwassist -partner-port</b>
cf.mode	<b>storage failover modify -mode</b>
cf.remote_syncmirror.enable	Not supported
cf.sfoaggr_maxtime	<b>storage failover modify -aggregate -migration-timeout</b>   Available at the advanced privilege level.
cf.takeover.change_fsid	Not supported
cf.takeover.detection.seconds	<b>storage failover modify -detection-time</b>
cf.takeover.on_disk_shelf_miscompare	Not supported

7-Mode option	Clustered Data ONTAP command
cf.takeover.on_failure	<b>storage failover modify -onfailure</b>   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	<b>storage failover modify -onpanic</b>
cf.takeover.on_reboot	<b>storage failover modify -onreboot</b>
cf.takeover.on_short_uptime	<b>storage failover modify -onshort-uptime</b>   Available at the advanced privilege level.
cifs.LMCompatibilityLevel	<b>vserver cifs security modify -lm -compatibility-level</b>
cifs.audit.autosave.file.extension	Not supported
cifs.audit.autosave.file.limit	<b>vserver audit modify -rotate-limit</b>
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	<b>vserver audit</b>
cifs.audit.file_access_events.enable	<b>vserver audit modify -events</b>
cifs.audit.nfs.filter.filename	Not supported

7-Mode option	Clustered Data ONTAP command
cifs.audit.logon_events.enable	<b>vserver audit modify -events cifs-logon-logout</b>
cifs.audit.logsize	Not supported
cifs.audit.nfs.enable	<b>vserver audit modify -events file-ops</b>
cifs.audit.nfs.filter.filename	Not supported
cifs.audit.saveas	<b>vserver audit modify -destination</b>
cifs.bypass_traverse_checking	<b>vserver cifs users-and-groups privilege</b>
cifs.comment	<b>vserver cifs create -comment</b>
cifs.enable_share_browsing	vserver cifs share
cifs.gpo.enable	<b>vserver cifs group-policy</b>
cifs.gpo.trace.enable	Not supported
cifs.grant_implicit_exe_perms	<b>vserver cifs options modify -read-grant -exec</b>
cifs.guest_account	Not supported
cifs.home_dir_namestyle	<b>vserver cifs share create</b>
cifs.home_dirs_public	<b>vserver cifs home-directory modify -is -home-dirs-access-for-public-enabled {true false}</b> <div style="display: flex; align-items: center; margin-top: 10px;">  <p>Available at the advanced privilege level.</p> </div>
cifs.home_dirs_public_for_admin	<b>vserver cifs home-directory modify -is -home-dirs-access-for-public -enabled{true false}</b> <div style="display: flex; align-items: center; margin-top: 10px;">  <p>Available at the advanced privilege level.</p> </div>



7-Mode option	Clustered Data ONTAP command
cifs.idle_timeout	<b>vserver cifs options modify -client -session-timeout</b>
cifs.ipv6.enable	Not supported
cifs.max_mpx	<b>vserver cifs options modify -max-mpx</b>
cifs.ms_snapshot_mode	Not supported
cifs.mapped_null_user_extra_group	<i>vserver cifs options modify -win-name -for-null-user</i>
cifs.netbios_over_tcp.enable	Not supported
cifs.nfs_root_ignore_acl	<b>vserver nfs modify -ignore-nt-acl-for -root</b>   Available at the advanced privilege level.
cifs.ntfs_ignore_unix_security_ops	<b>vserver nfs modify -ntfs-unix-security -ops</b>   Available at the advanced privilege level.
cifs.oplocks.enable	<i>vserver cifs share properties add -share-properties</i>
cifs.oplocks.opendelta*	Not supported
cifs.perm_check_ro_del_ok	<b>vserver cifs options modify -is-read -only-delete-enabled</b>
cifs.perm_check_use_gid	Not supported
cifs.restrict_anonymous	<b>vserver cifs options modify -restrict -anonymous</b>
cifs.save_case	Not supported
cifs.scopeid	Not supported

<b>7-Mode option</b>	<b>Clustered Data ONTAP command</b>
cifs.search_domains	<b>vserver cifs domain name-mapping-search</b>
cifs.show_dotfiles	is-hide-dotfiles-enabled
cifs.show_snapshot	<b>vserver cifs share properties add -share-properties</b>
cifs.shutdown_msg_level	Not supported
cifs.signing.enable	<b>vserver cifs security modify -is -signing-required</b>
cifs.smb2.client.enable	Not supported
cifs.smb2.durable_handle.enable	Not supported
cifs.smb2.durable_handle.timeout	Not supported
cifs.smb2.enable	<b>vserver cifs options modify -smb2 -enabled</b>
cifs.smb2.signing.required	<b>vserver cifs security modify -is -signing-required</b>
cifs.smb2_1.branch_cache.enable	<b>vserver cifs share properties</b>
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	<b>vserver cifs share modify -symlink -properties</b>
cifs.universal_nested_groups.enable	Not supported
cifs.W2K_password_change	<b>vserver cifs domain password change</b>
cifs.W2K_password_change_interval	<b>vserver cifs domain password change schedule</b>


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

## D

<b>7-Mode option</b>	<b>Clustered Data ONTAP command</b>
disk.asup_on_mp_loss	<b>system node autosupport trigger modify dsk.redun.fault</b>
disk.auto_assign	<b>storage disk option modify -autoassign</b>
disk.auto_assign_shelf	<b>storage disk option modify -autoassign -shelf</b>
disk.maint_center.allowed_entries	Not supported
disk.maint_center.enable	<b>system node run -node {nodename local} options disk.maint_center.enable</b>
disk.maint_center.max_disks	<b>system node run -node {nodename local} options disk.maint_center.max_disks</b>
disk.maint_center.rec_allowed_entries	<b>system node run -node {nodename local} options disk.maint_center.rec_allowed_entries</b>
disk.maint_center.spares_check	<b>system node run -node {nodename local} options disk.maint_center.spares_check</b>
disk.powercycle.enable	<b>system node run -node {nodename local} options disk.powercycle.enable</b>

7-Mode option	Clustered Data ONTAP command
disk.recovery_needed.count	Not supported
disk.target_port.cmd_queue_depth	<b>storage array modify -name array_name -max-queue-depth</b>
dns.cache.enable	Not supported
dns.domainname	<b>vserver services name-service dns modify -domains</b>
dns.enable	<b>vserver services name-service dns modify -state</b>
dns.update.enable	Not supported
dns.update.ttl	Not supported

## E

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

## F-K

### F

7-Mode option	Clustered Data ONTAP command
fcp.enable	<b>fcp start</b>
flexcache.access	Not supported
flexcache.deleg.high_water	Not supported
flexcache.deleg.low_water	Not supported
flexcache.enable	Not supported

7-Mode option	Clustered Data ONTAP command
flexcache.per_client_stats	Not supported
flexscale.enable	<b>system node run -node <i>node_name</i> local} options flexscale.enable</b>
flexscale.lopri_blocks	<b>system node run -node <i>node_name</i> local} options flexscale.lopri_blocks</b>
flexscale.normal_data_blocks	<b>system node run -node <i>node_name</i> local} options flexscale.normal_data_blocks</b>
flexscale.pcs_high_res	<b>system node run -node <i>node_name</i> local} options flexscale.pcs_high_res</b>
flexscale.pcs_size	<b>system node run -node <i>node_name</i> local} options flexscale.pcs_size</b>
flexscale.rewarm	<b>system node run -node <i>node_name</i> local} options flexscale.rewarm</b>
fpolicy.enable	<b>vserver fpolicy enable</b>
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

<b>7-Mode option</b>	<b>Clustered Data ONTAP command</b>
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

<b>7-Mode option</b>	<b>Clustered Data ONTAP command</b>
httpd.access	Not supported
httpd.admin.access	Not supported
httpd.admin.enable	<b>vserver services web modify -enabled{true false}</b>
httpd.admin.hostsequiv.enable	Not supported
httpd.admin.max_connections	Not supported

<b>7-Mode option</b>	<b>Clustered Data ONTAP command</b>
httpd.admin.ssl.enable	<b>security ssl</b>
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

<b>7-Mode option</b>	<b>Clustered Data ONTAP command</b>
ifgrp.failover.link_degraded	Not supported
interface.blocked.cifs	<b>network interface create -data-protocol</b>
interface.blocked.iscsi	<b>network interface create -data-protocol</b>
interface.blocked.mgmt_data_traffic	<b>network interface create -role</b>
interface.blocked.ndmp	<b>system services firewall policy modify -policy <i>policy_name</i> -service ndmp</b>
interface.blocked.nfs	<b>network interface create -data-protocol</b>
interface.blocked.snapmirror	<b>network interface create -role</b>

7-Mode option	Clustered Data ONTAP command
ip.fastpath.enable	<pre>system node run -node node_name local} options ip.fastpath.enable</pre> <div style="display: flex; align-items: center; margin-top: 10px;">  <p>Beginning with ONTAP 9.2, fastpath is no longer supported.</p> </div>
ip.ipsec.enable	Not supported
ip.match_any_ifaddr	Not supported
ip.path_mtu_discovery.enable	<pre>system node run -nodenode_name local} options ip.path_mtu_discovery.enable</pre>
ip.ping_throttle.alarm_interval	<pre>system node run -nodenode_name  local} options ip.ping_throttle.alarm_node_nameinterval</pre>
ip.ping_throttle.drop_level	<pre>system node run -node local} options ip.ping_throttle.drop.level</pre>
ip.tcp.abc.enable	<pre>system node run -nodenode_name local} options ip.tcp.abc.enable</pre>
ip.tcp.abc.l_limit	<pre>system node run -nodenode_name local} options ip.tcp.abc.l_limit</pre>
ip.tcp.batching.enable	<pre>system node run -nodenode_name local} options ip.tcp.batching.enable</pre>
ip.tcp.newreno.enable	Not supported
ip.tcp.rfc3390.enable	<pre>system node run -nodenode_name local} options ip.tcp.rfc3390.enable</pre>
ip.tcp.sack.enable	<pre>system node run -nodenode_name local} options ip.tcp.sack.enable</pre>
ip.v6.enable	network options ipv6 modify
ip.v6.ra_enable	Not supported





7-Mode option	Clustered Data ONTAP command
<code>iscsi.auth.radius.enable</code>	Not supported
<code>iscsi.enable</code>	<b>iscsi start</b>
<code>iscsi.max_connections_per_session</code>	<b>iscsi modify -max -conn-per-session</b>
<code>iscsi.max_error_recovery_level</code>	<b>iscsi modify -max-error-recovery-level</b>

## K

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

## O-Q



### L

7-Mode option	Clustered Data ONTAP command
<code>ldap.ADdomain</code>	<b>vserver services name-service ldap client modify -ad-domain</b>
<code>ldap.base</code>	<b>vserver services name-service ldap client modify -base-dn</b>
<code>ldap.base.group</code>	<b>ldap client modify -group-dn ldap DN-group-scope</b>   Available at the advanced privilege level.
<code>ldap.base.netgroup</code>	<b>ldap client modify -netgroup-dn ldap DN-netgroup-scope</b>   Available at the advanced privilege level.

7-Mode option	Clustered Data ONTAP command
ldap.base.passwd	<b>vserver services ldap client modify -user-dn</b>   Available at the advanced privilege level.
ldap.enable	<b>vserver services name-service ldap modify</b>
ldap.minimum_bind_level	<b>vserver services name-service ldap client modify -min-bind-level</b>
ldap.name	<b>vserver services name-service ldap client modify -bind-dn</b>
ldap.nssmap.attribute.gecos	<b>ldap client schema modify -gecos -attribute</b>   Available at the advanced privilege level.
ldap.nssmap.attribute.gidNumber	<b>ldap client schema modify -gid-number -attribute</b>   Available at the advanced privilege level.
ldap.nssmap.attribute.groupname	<b>ldap client schema modify -cn-group -attribute</b>   Available at the advanced privilege level.
ldap.nssmap.attribute.homeDirectory	<b>ldap client schema modify -home -directory-attribute</b>   Available at the advanced privilege level.


7-Mode option	Clustered Data ONTAP command
ldap.nssmap.attribute.loginShell	<p data-bbox="820 163 1458 226"><b>ldap client schema modify -login-shell -attribute</b></p> <div data-bbox="847 279 1398 342">  Available at the advanced privilege level. </div>
ldap.nssmap.attribute.memberNisNetgroup	<p data-bbox="820 415 1438 478"><b>ldap client schema modify -member-nis -netgroup-attribute</b></p> <div data-bbox="847 531 1398 594">  Available at the advanced privilege level. </div>
ldap.nssmap.attribute.memberUid	<p data-bbox="820 657 1438 720"><b>ldap client schema modify -member-uid -attribute</b></p> <div data-bbox="847 772 1398 835">  Available at the advanced privilege level. </div>
ldap.nssmap.attribute.netgroupname	<p data-bbox="820 898 1458 961"><b>ldap client schema modify -cn-netgroup -attribute</b></p> <div data-bbox="847 1014 1398 1077">  Available at the advanced privilege level. </div>
ldap.nssmap.attribute.nisNetgroupTriple	<p data-bbox="820 1140 1382 1203">ldap client schema modify -nis-netgroup-triple -attribute</p> <div data-bbox="847 1255 1398 1318">  Available at the advanced privilege level. </div>
ldap.nssmap.attribute.uid	<p data-bbox="820 1381 1321 1444"><b>ldap client schema modify -uid -attribute</b></p> <div data-bbox="847 1497 1398 1560">  Available at the advanced privilege level. </div>
ldap.nssmap.attribute.uidNumber	<p data-bbox="820 1623 1438 1686"><b>ldap client schema modify -uid-number -attribute</b></p> <div data-bbox="847 1738 1398 1801">  Available at the advanced privilege level. </div>


7-Mode option	Clustered Data ONTAP command
ldap.nssmap.attribute.userPassword	<p data-bbox="816 163 1339 226"><b>ldap client schema modify -user -password-attribute</b></p> <div data-bbox="846 279 1398 342">  Available at the advanced privilege level. </div>
ldap.nssmap.objectClass.nisNetgroup	<p data-bbox="816 415 1474 478"><b>ldap client schema modify -nis-netgroup -object-class</b></p> <div data-bbox="846 531 1398 594">  Available at the advanced privilege level. </div>
ldap.nssmap.objectClass.posixAccount	<p data-bbox="816 657 1356 720"><b>ldap client schema modify -posix -account-object-class</b></p> <div data-bbox="846 772 1398 835">  Available at the advanced privilege level. </div>
ldap.nssmap.objectClass.posixGroup	<p data-bbox="816 898 1458 961"><b>ldap client schema modify -posix-group -object-class</b></p> <div data-bbox="846 1014 1398 1077">  Available at the advanced privilege level. </div>
ldap.passwd	<p data-bbox="816 1140 1388 1203"><b>vserver services name-service ldap client modify-bind-password</b></p>
ldap.port	<p data-bbox="816 1266 1388 1329"><b>vserver services name-service ldap client modify -port</b></p>
ldap.servers	<p data-bbox="816 1392 1388 1455"><b>vserver services name-service ldap client modify -servers</b></p>
ldap.servers.preferred	<p data-bbox="816 1518 1404 1581"><b>vserver services name-service ldap client modify -preferred-ad-servers</b></p>
ldap.ssl.enable	<p data-bbox="816 1633 995 1665">Not supported</p>
ldap.timeout	<p data-bbox="816 1728 1388 1791"><b>vserver services name-service ldap client modify -query-timeout</b></p>








7-Mode option	Clustered Data ONTAP command
ldap.usermap.attribute.windowsaccount	<b>ldap client schema modify -windows -account-attribute</b>   Available at the advanced privilege level.
ldap.usermap.base	<b>ldap client modify -user-dnldap DN-user-scope</b>   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	<b>vserver nfs modify -v4-grace-seconds</b>
lun.clone_restore	Not supported
lun.partner_unreachable.linux.asc	Not supported
lun.partner_unreachable.linux.ascq	Not supported
lun.partner_unreachable.linux.behavior	Not supported
lun.partner_unreachable.linux.hold_time	Not supported

7-Mode option	Clustered Data ONTAP command
<code>lun.partner_unreachable.linux.scsi_stat</code> <code>us</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_tim</code> <code>e</code>	Not supported

## N

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

7-Mode option	Clustered Data ONTAP command
<code>ndmpd.tcpwinsize</code>	Not supported
<code>nfs.assist.queue.limit</code>	Not supported
<code>nfs.authsys.extended_groups_ns.enable</code>	<pre><i>vserver nfs modify -auth-sys-extended -groups</i></pre> <div style="display: flex; align-items: center; margin-top: 10px;">  <span>Available at the advanced privilege level.</span> </div>
<code>nfs.export.allow_provisional_access</code>	Not supported
<code>nfs.export.auto-update</code>	Not supported
<code>nfs.export.exportfs_comment_on_delete</code>	Not supported
<code>nfs.export.harvest.timeout</code>	Not supported
<code>nfs.export.neg.timeout</code>	Not supported
<code>nfs.kerberos.enable</code>	<b><code>vserver nfs kerberos realm create</code></b>
<code>nfs.kerberos.file_keytab.enable</code>	Not supported
<code>nfs.kerberos.file_keytab.principal</code>	<b><code>vserver nfs kerberos realm create</code></b>
<code>nfs.kerberos.file_keytab.realm</code>	<b><code>vserver nfs kerberos realm create</code></b>
<code>nfs.max_num_aux_groups</code>	<b><code>vserver nfs \{ show   modify \} -extended-groups-limit</code></b>
<code>nfs.mount_rootonly</code>	<b><code>vserver nfs modify -mount-rootonly</code></b>
<code>nfs.netgroup.strict</code>	Not supported
<code>nfs.nfs_rootonly</code>	<b><code>vserver nfs modify -nfs-rootonly</code></b>

7-Mode option	Clustered Data ONTAP command
nfs.per_client_stats.enable	<b>statistics settings modify -client stats</b>  Available at the advanced privilege level.
nfs.require_valid_mapped_uid	<b>vserver name-mapping create</b>
nfs.response.trace	<b>vserver nfs modify -trace-enabled</b>  Available at the advanced privilege level.
nfs.response.trigger	<b>vserver nfs modify -trigger</b>  Available at the advanced privilege level.
nfs.rpcsec.ctx.high	<b>nfs modify -rpcsec-ctx-high</b>  Available at the advanced privilege level.
nfs.rpcsec.ctx.idle	<b>nfs modify -rpcsec-ctx-idle</b>  Available at the advanced privilege level.
nfs.tcp.enable	<b>vserver nfs modify -tcp</b>
nfs.thin_prov.ejuke	<b>vserver nfs modify -enable-ejukebox</b>  Available at the advanced privilege level.
nfs.udp.enable	<b>vserver nfs modify -udp</b>
nfs.udp.xfersize	<b>vserver nfs modify -udp-max-xfer-size</b>  Available at the advanced privilege level.



<b>7-Mode option</b>	<b>Clustered Data ONTAP command</b>
nfs.v2.df_2gb_lim	`Not supported
nfs.v2.enable	`Not supported
nfs.v3.enable	<b>vserver nfs modify -v3</b>
nfs.v4.acl.enable	*vserver nfs modify -v4.0-ac*1
nfs.v4.enable	<b>vserver nfs modify -v4.0</b>
nfs.v4.id.allow_numerics	<b>vserver nfs modify -v4-numeric-ids</b>
nfs.v4.id.domain	<b>vserver nfs modify -v4-id-domain</b>
nfs.v4.read_delegation	<b>vserver nfs modify -v4.0-read -delegation</b>
nfs.v4.write_delegation	<b>vserver nfs modify -v4.0-write -delegation</b>
nfs.vstorage.enable	<b>vserver nfs modify -vstorage</b>
nfs.webnfs.enable	Not supported
nfs.webnfs.rootdir	Not supported
nfs.webnfs.rootdir.set	Not supported
nis.domainname	<b>vserver services name-service nis- domain modify -domain</b>
nis.enable	<b>vserver services name-service nis- domain modify -active</b>
nis.group_update.enable	Not supported
nis.group_update_schedule	Not supported
nis.netgroup.domain_search.enable	Not supported

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

## P

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

## Q

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

## R






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

7-Mode option	Clustered Data ONTAP command
<code>raid</code>	<code>storage raid-options \{ modify   show\}</code>
<code>raid.background_disk_fw_update.enable</code>	<code>storage disk option modify -bkg -firmware-update</code>
<code>raid.disk.copy.auto.enable</code>	<code>storage raid-options modify -raid.disk.copy.auto.enable</code>
<code>raid.disk.timeout.enable</code>	<code>system node run -node {node_name local} options raid.disk.timeout.enable</code>
<code>raid.disktype.enable</code>	Not supported

7-Mode option	Clustered Data ONTAP command
raid.disktype.enable	<pre>raid-options modify raid.lost_write.enable</pre> <div style="display: flex; align-items: center; margin-top: 10px;">  <p>Available at the advanced privilege level.</p> </div>
raid.lost_write.enable	<pre>storage raid-options \{ modify   show \} -name raid.media_scrub.enable</pre>
raid.media_scrub.rate	<pre>storage raid-options \{ modify   show \}-name raid.media_scrub.rate</pre>
raid.min_spare_count	<pre>storage raid-options \{ modify   show \}-name raid.min_spare_count</pre>
raid.mix.hdd.disktype.capacity	<pre>storage raid-options \{ modify   show \}-name raid.mix.hdd.disktype.capacity</pre>
raid.mix.hdd.disktype.performance	<pre>storage raid-options \{ modify   show \}-name raid.mix.hdd.disktype.performance</pre>
raid.mix.hdd.rpm.capacity	<pre>storage raid-options \{ modify   show \} -name raid.mix.hdd.rpm.capacity</pre>
raid.mix.hdd.rpm.performance	<pre>storage raid-options \{ modify   show \} -name raid.mix.hdd.rpm.performance</pre>
raid.mirror_read_plex_pref	<pre>storage raid-options \{ modify   show \}-name raid.mirror_read_plex_pref</pre>
raid.reconstruct.perf_impact	<pre>storage raid-options \{ modify   show \}-name raid.reconstruct.perf_impact</pre>
raid.resync.perf_impact	<pre>storage raid-options \{ modify   show \}-name raid.resync.perf_impact</pre>
raid.rpm.ata.enable	Not supported
raid.rpm.fcald.enable	Not supported
raid.scrub.duration	<pre>storage raid-options \{ modify   show \}-name raid.scrub.duration</pre>

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

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

## S-Z

### S

7-Mode option	Clustered Data ONTAP command
security.admin.authentication	<b>security login modify</b>
security.admin.nsswitchgroup	<b>vserver modify</b>
security.passwd.firstlogin.enable	<b>security login role config modify</b>
security.passwd.lockout.numtries	<b>security login role config modify</b>

<b>7-Mode option</b>	<b>Clustered Data ONTAP command</b>
security.passwd.rootaccess.enable	Not supported
security.passwd.rules.enable	<b>security login role config modify</b>
security.passwd.rules.everyone	<b>security login role config modify</b>
security.passwd.rules.history	<b>security login role config modify</b>
security.passwd.rules.maximum	<b>security login role config modify</b>
security.passwd.rules.minimum	<b>security login role config modify</b>
security.passwd.rules.minimum.alphabetic	Not supported
security.passwd.rules.minimum.digit	<b>security login role config modify</b>
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

<b>7-Mode option</b>	<b>Clustered Data ONTAP command</b>
sftp.override_client_permissions	Not supported
sis.max_vfiler_active_ops	Not supported
snaplock.autocommit_period	Not supported
snaplock.compliance.write_verify	Not supported
snaplock.log.default_retention	Not supported
snaplock.log.maximum_size	Not supported
snapmirror.access	<b>snapmirror create</b>
snapmirror.checkip.enable	Not supported
snapmirror.cmode.suspend	<b>snapmirror quiesce</b>
snapmirror.delayed_acks.enable	Not supported
snapmirror.vsm.volread.smtape_enable	Not supported
snapvalidator.version	Not supported
snapvault.access	<b>vserver peer</b>
snapvault.enable	Not supported
snapvault.lockvault_log_volume	Not supported
snapvault.preservesnap	snapmirror policy
snapvault.snapshot_for_dr_backup	Not supported
snmp.access	<b>system services firewall policy modify -policy <i>policy_name</i>-service snmp -allow -list</b>
snmp.enable	Not supported

7-Mode option	Clustered Data ONTAP command
ssh.access	<code>system services firewall policy modify -policy <i>_policy_name</i>-service ssh -allow -list</code>
ssh.enable	<code>system services firewall policy modify -policy <i>policy_name</i>-service ssh -allow -list</code>
ssh.idle.timeout	Not supported
ssh.passwd_auth.enable	<code>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></code>
ssh.pubkey_auth.enable	<code>security login modify -authmethod publickey</code>
ssh1.enable	Not supported
ssh2.enable	Not supported
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 <i>mgmt</i> -service telnet -allow -list</code>
telnet.distinct.enable	Not supported



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

## V

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

## W

7-Mode option	Clustered Data ONTAP command
<code>wapl.default_nt_user</code>	<code>vserver nfs modify -default-win-user</code>
<code>wapl.default_unix_user</code>	<code>vserver cifs options modify -default-unix-user</code>
<code>wapl.inconsistent.asup_frequency.blks</code>	<code>system node run -node{node_name local} options wapl.inconsistent.asup_frequency.blks</code>
<code>wapl.inconsistent.asup_frequency.time</code>	<code>system node run -node{node_name local} options wapl.inconsistent.asup_frequency.time</code>
<code>wapl.inconsistent.ems_suppress</code>	<code>system node run -node{node_name local} options wapl.inconsistent.ems_suppress</code>
<code>wapl.maxdirsize</code>	<code>vol create -maxdir-size</code>  <div style="display: flex; align-items: center;">  <span>Available at the advanced privilege level.</span> </div>
<code>wapl.nt_admin_priv_map_to_root</code>	<code>vserver name-mapping create</code>
<code>wapl.root_only_chown</code>	<code>vserver nfs modify -chown-mode</code>  <div style="display: flex; align-items: center;">  <span>Available at the advanced privilege level.</span> </div>
<code>wapl.wcc_minutes_valid</code>	Not supported
<code>webdav.enable</code>	Not supported

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