



Commands by category

SANtricity commands

NetApp
March 22, 2024

Table of Contents

- Commands by category 1
 - Administrators commands 1
 - Alert configuration commands 17
 - Array configuration commands 19
 - Auto support commands 25
 - Mirroring commands 26
 - Performance tuning commands 27
 - Replication commands 28
 - Security commands 30
 - Storage monitor personnel commands 33
 - Volume configuration commands 35

Commands by category

Administrators commands

Storage administrators commands

[Activate asynchronous mirroring](#)

[Activate Synchronous Mirroring](#)

[Add drives to SSD cache](#)

[Add member to consistency group](#)

[Add volume to asynchronous mirror group](#)

[Autoconfigure storage array](#)

[Autoconfigure storage array hot spares](#)

[Cancel asynchronous mirror group role reversal](#)

[Capture or view an AutoSupport log](#)

[Change SSD cache application type](#)

[Check asynchronous mirror group consistency](#)

[Check repository consistency](#)

[Check storage array connectivity](#)

[Check synchronous mirroring status](#)

[Check volume parity](#)

[Clear asynchronous mirroring fault](#)

[Clear drive channel statistics](#)

[Clear email alert configuration](#)

[Clear storage array configuration](#)

[Clear storage array event log](#)

[Clear storage array firmware pending area](#)

[Clear storage array recovery mode](#)

[Clear syslog configuration](#)

[Clear volume reservations](#)

Clear volume unreadable sectors

Configure email alert settings

Configure syslog settings

Create asynchronous mirror group

Create consistency group

Create consistency group snapshot image

Create consistency group snapshot volume

Create consistency group snapshot volume mapping

Create disk pool

Create host

Create host group

Create host port

Create initiator

Create iSCSI initiator

Create RAID volume (automatic drive select)

Create RAID volume (free extent based select)

Create RAID volume (manual drive select)

Create read-only snapshot volume

Create snapshot group

Create snapshot image

Create snapshot volume

Create SSD cache

Create synchronous mirroring

Create volume copy

Create volume group

Create volume in disk pool

Deactivate asynchronous mirroring

Deactivate synchronous mirroring

Delete asynchronous mirror group

Delete consistency group

Delete consistency group snapshot image

Delete consistency group snapshot volume

Delete disk pool

Delete email alert recipient

Delete host

Delete host group

Delete host port

Delete initiator

Delete iSCSI initiator

Delete snapshot group

Delete snapshot image

Delete snapshot volume

Delete SSD cache

Delete syslog server

Delete volume

Delete volume from disk pool

Delete volume group

Diagnose controller

Diagnose controller iSCSI host cable

Diagnose synchronous mirroring

Disable storage array feature

Display AutoSupport message collection schedule

Display AutoSupport bundle collection settings

Display storage array user session

Download drive firmware

Download environmental card firmware

Download storage array drive firmware

[Download storage array firmware/NVSRAM](#)

[Download storage array NVSRAM](#)

[Download tray configuration settings](#)

[Enable controller data transfer](#)

[Enable disk pool security](#)

[Enable or disable ODX](#)

[Enable or disable AutoSupport at the EMW management domain level...](#)

[Enable or disable AutoSupport \(all individual arrays\)](#)

[Enable or disable AutoSupport maintenance window \(for individual E2800 or E5700 arrays\)](#)

[Enable or disable the AutoSupport OnDemand feature at the EMW...](#)

[Enable or disable the AutoSupport OnDemand feature \(for individual E2800 or E5700 arrays\)](#)

[Enable or disable the AutoSupport OnDemand Remote Diagnostics feature at...](#)

[Enable or disable the AutoSupport Remote Diagnostics feature \(for individual E2800 or E5700 arrays\)](#)

[Enable or disable host connectivity reporting](#)

[Enable or disable VAAI](#)

[Enable storage array feature](#)

[Enable volume group security](#)

[Establish asynchronous mirrored pair](#)

[Increase capacity of volume in disk pool or volume group...](#)

[Initialize thin volume](#)

[Recopy volume copy](#)

[Recover disabled drive ports](#)

[Recover RAID volume](#)

[Recover SAS port mis-wire](#)

[Re-create synchronous mirroring repository volume](#)

[Reduce disk pool capacity](#)

[Register SNMP community](#)

[Register SNMP trap destination](#)

[Remove drives from SSD cache](#)

Remove incomplete asynchronous mirrored pair from asynchronous mirror group

Remove member volume from consistency group

Remove synchronous mirroring

Remove volume copy

Remove volume from asynchronous mirror group

Remove volume LUN mapping

Rename snapshot volume

Rename SSD cache

Repair volume parity

Replace drive

Reset asynchronous mirror group statistics

Reset AutoSupport message collection schedule

Reset AutoSupport message collection schedule (for individual E2800 or E5700 arrays)

Reset controller

Reset drive

Reset iSCSI IP address

Reset storage array diagnostic data

Reset storage array host port statistics baseline

Reset storage array InfiniBand statistics baseline

Reset storage array iSCSI baseline

Reset storage array iSER baseline

Reset storage array RLS baseline

Reset storage array SAS PHY baseline

Reset storage array SOC baseline

Reset storage array volume distribution

Resume asynchronous mirror group

Resume consistency group snapshot volume

Resume snapshot image rollback

Resume snapshot volume

Resume SSD cache

Resume synchronous mirroring

Retrieve an AutoSupport log (for individual E2800 or E5700 arrays)

Revive drive

Revive snapshot group

Revive snapshot volume

Revive volume group

Save asynchronous mirror group statistics

Save controller NVSRAM

Save drive channel fault isolation diagnostic status

Save drive log

Save input output controller (IOC) dump

Save auto-load balancing statistics

Save storage array configuration

Save storage array controller health image

Save storage array diagnostic data

Save storage array events

Save storage array firmware inventory

Save storage array host port statistics

Save storage array InfiniBand statistics

Save storage array iSCSI statistics

Save storage array iSER statistics

Save storage array login banner

Save storage array performance statistics

Save storage array RLS counts

Save storage array SAS PHY counts

Save storage array SOC counts

Save storage array state capture

Save storage array support data

Save tray log

Schedule automatic support bundle collection configuration

Set asynchronous mirror group

Set AutoSupport message collection schedule (for individual E2800 or E5700 arrays)

Set consistency group attributes

Set consistency group snapshot volume

Set controller

Set controller DNS settings

Set controller host port properties

Set controller NTP settings

Set controller service action allowed indicator

Set disk pool

Set disk pool (modify disk pool)

Set drawer service action allowed indicator

Set drive channel status

Set drive hot spare

Set drive service action allowed indicator

Set drive state

Set event alert filtering

Set FIPS drive security identifier

Set foreign drive to native

Set host

Set host channel

Set host group

Set host port

Set initiator

Set iSCSI initiator

Set iSCSI target properties

Set iSER target

Set read-only snapshot volume to read/write volume

Set session

Set snapshot group attributes

Set snapshot group media scan

Set snapshot group repository volume capacity

Set snapshot group schedule

Set snapshot volume media scan

Set snapshot volume repository volume capacity

Set SSD cache for a volume

Set storage array

Set storage array controller health image allow overwrite

Set storage array to enable or disable Automatic Load Balancing...

Set storage array to enable or disable cache mirror data

Set storage array ICMP response

Set storage array iSNS registration

Set storage array iSNS server IPv4 address

Set storage array iSNS server IPv6 address

Set storage array iSNS server listening port

Set storage array iSNS server refresh

Set storage array controller battery learn cycle

Set storage array local user password or SYMbol password

Set storage array password length

Set storage array PQ validation on reconstruct

Set storage array redundancy mode

Set storage array time

Set storage array tray positions

Set storage array unnamed discovery session

[Set synchronous mirroring](#)

[Set target properties](#)

[Set thin volume attributes](#)

[Set tray identification](#)

[Set tray service action allowed indicator](#)

[Set volume attributes for a volume in a disk pool...](#)

[Set volume attributes for a volume in a volume group...](#)

[Set volume copy](#)

[Set volume group](#)

[Set volume group forced state](#)

[Set volume mapping](#)

[Show asynchronous mirror groups](#)

[Show asynchronous mirror group synchronization progress](#)

[Show AutoSupport configuration \(for E2800 or E5700 storage arrays\)](#)

[Show blocked events](#)

[Show consistency group](#)

[Show consistency group snapshot image](#)

[Show controller](#)

[Show controller NVSRAM](#)

[Show current iSCSI sessions](#)

[Show disk pool](#)

[Show drive](#)

[Show drive channel statistics](#)

[Show drive download progress](#)

[Show drive performance statistics](#)

[Show email alert configuration](#)

[Show host ports](#)

[Show replaceable drives](#)

Show snapshot group

Show snapshot image

Show snapshot volumes

Show SNMP communities

Show SNMP MIB II system group variables

Show SSD cache

Show SSD cache statistics

Show storage array

Show storage array auto configuration

Show storage array cache mirror data assurance check enable

Show storage array controller health image

Show storage array DBM database

Show storage array host connectivity reporting

Show storage array host topology

Show storage array LUN mappings

Show storage array negotiation defaults

Show storage array ODX setting

Show storage array power information

Show storage array unconfigured iSCSI initiators

Show storage array unreadable sectors

Show string

Show synchronous mirroring volume candidates

Show synchronous mirroring volume synchronization progress

Show syslog configuration

Show thin volume

Show unconfigured initiators

Show volume

Show volume action progress

Show volume copy

Show volume copy source candidates

Show volume copy target candidates

Show volume group

Show volume group export dependencies

Show volume group import dependencies

Show volume performance statistics

Show volume reservations

Specify the AutoSupport delivery method

Start asynchronous mirroring synchronization

Specify the AutoSupport delivery method

Specify the Email (SMTP) delivery method (for individual E2800 or E5700 arrays)

Specify AutoSupport HTTP(S) delivery method (for individual E2800 or E5700 arrays)

Start consistency group snapshot rollback

Start controller trace

Start disk pool locate

Start drive channel fault isolation diagnostics

Start drive channel locate

Start drive initialize

Start drive locate

Start drive reconstruction

Start input output controller (IOC) dump

Start iSCSI DHCP refresh

Start FDE secure drive erase

Start snapshot image rollback

Start SSD cache locate

Start SSD cache performance modeling

Start storage array configuration database diagnostic

Start storage array controller health image

Start storage array iSNS server refresh

Start storage array locate

Start synchronous mirroring synchronization

Start tray locate

Start volume group defragment

Start volume group export

Start volume group import

Start volume group locate

Start volume initialization

Stop consistency group snapshot rollback

Stop consistency group snapshot volume

Stop disk pool locate

Stop drive channel fault isolation diagnostics

Stop drive channel locate

Stop drive locate

Stop drive replace

Stop pending snapshot images on consistency group

Stop snapshot group pending snapshot images

Stop snapshot image rollback

Stop snapshot volume

Stop SSD cache locate

Stop SSD cache performance modeling

Stop storage array configuration database diagnostic

Stop storage array drive firmware download

Stop storage array iSCSI session

Stop storage array locate

Stop tray locate

Stop volume copy

Stop volume group locate

Suspend asynchronous mirror group

Suspend SSD cache

Suspend synchronous mirroring

Test alerts

Test asynchronous mirror group connectivity

Test the AutoSupport configuration

Test AutoSupport delivery settings (for individual E2800 or E5700 arrays)

Test email alert configuration

Test SNMP trap destination

Test syslog configuration

Unregister SNMP community

Unregister SNMP trap destination

Update SNMP community

Update SNMP MIB II system group variables

Update SNMP trap destination

Support administrators commands

Activate asynchronous mirroring

Activate Synchronous Mirroring

Clear drive channel statistics

Clear email alert configuration

Clear syslog configuration

Configure syslog settings

Deactivate asynchronous mirroring

Deactivate synchronous mirroring

Delete email alert recipient

Delete syslog server

Disable storage array feature

Download drive firmware

[Download environmental card firmware](#)

[Download storage array drive firmware](#)

[Download storage array firmware/NVSRAM](#)

[Download storage array NVSRAM](#)

[Download tray configuration settings](#)

[Enable or disable ODX](#)

[Enable or disable the AutoSupport OnDemand feature at the EMW...](#)

[Enable or disable the AutoSupport OnDemand feature \(for individual E2800 or E5700 arrays\)](#)

[Enable or disable the AutoSupport OnDemand Remote Diagnostics feature at...](#)

[Enable or disable the AutoSupport Remote Diagnostics feature \(for individual E2800 or E5700 arrays\)](#)

[Enable storage array feature](#)

[Recover SAS port mis-wire](#)

[Register SNMP community](#)

[Register SNMPv3 USM user](#)

[Register SNMP trap destination](#)

[Reset AutoSupport message collection schedule \(for individual E2800 or E5700 arrays\)](#)

[Retrieve an AutoSupport log \(for individual E2800 or E5700 arrays\)](#)

[Revive drive](#)

[Revive snapshot group](#)

[Revive snapshot volume](#)

[Revive volume group](#)

[Save controller NVSRAM](#)

[Set asynchronous mirror group](#)

[Set AutoSupport message collection schedule \(for individual E2800 or E5700 arrays\)](#)

[Set controller NTP settings](#)

[Set drive channel status](#)

[Set event alert filtering](#)

[Set session](#)

[Set storage array local user password or SYMBol password](#)

Set tray service action allowed indicator

Show AutoSupport configuration (for E2800 or E5700 storage arrays)

Show blocked events

Show email alert configuration

Show SNMP communities

Show SNMP MIB II system group variables

Show SNMPv3 USM user

Show syslog configuration

Specify the Email (SMTP) delivery method (for individual E2800 or E5700 arrays)

Specify AutoSupport HTTP(S) delivery method (for individual E2800 or E5700 arrays)

Test AutoSupport delivery settings (for individual E2800 or E5700 arrays)

Test email alert configuration

Test SNMP trap destination

Test syslog configuration

Unregister SNMPv3 USM user

Update SNMP community

Update SNMPv3 USM user

Update SNMP MIB II system group variables

Update SNMP trap destination

Security administrators commands

Create storage array directory server

Create storage array security key

Create storage array syslog configuration

Delete Audit Log records

Delete storage array directory server

Delete storage array login banner

Delete storage array syslog configuration

Disable external security key management

Display storage array syslog configuration

Enable external security key management

Export storage array security key

Generate Key Management Certificate Signing Request (CSR)

Generate web server Certificate Signing Request (CSR)

Import storage array security key

Install root/intermediate CA certificates

Install server signed certificate

Install storage array external key management certificate

Install trusted CA certificates

Load storage array DBM database

Remove installed trusted CA certificates

Remove installed external key management certificate

Remove installed root/intermediate CA certificates

Remove storage array directory server role mapping

Reset installed signed certificate

Retrieve installed external key management certificate

Retrieve installed CA certificates

Retrieve installed server certificate

Retrieve installed trusted CA certificates

Save Audit Log records

Save storage array configuration

Save storage array DBM database

Save storage array DBM validator information file

Save storage array host port statistics

Save storage array login banner

Set Audit Log settings

Set certificate revocation check settings

Set external key management settings

Set internal storage array security key

Set session

Set storage array directory server

Set storage array directory server role mapping

Set storage array local user password or SYMbol password

Set storage array login banner

Set storage array management interface

Set storage array user session

Show Audit Log configuration

Show Audit Log summary

Show certificate revocation check settings

Show installed root/intermediate CA certificates summary

Show installed trusted CA certificates summary

Show signed certificate

Show storage array directory services summary

Start OCSP server URL test

Start storage array syslog test

Test external key management communication

Test storage array directory server

Update storage array syslog configuration

Validate storage array security key

Alert configuration commands

Embedded SNMP configuration

Register SNMP community

Register SNMP trap destination

Show SNMP communities

Show SNMP MIB II system group variables

Test SNMP trap destination

[Unregister SNMP community](#)

[Unregister SNMP trap destination](#)

[Update SNMP community](#)

[Update SNMP MIB II system group variables](#)

[Update SNMP trap destination](#)

Email alert configuration - E2700 or E5600 arrays

[Configure email alert settings](#)

[Set event alert filtering](#)

[Show blocked events](#)

[Test alerts](#)

SSD cache commands

[Clear email alert configuration](#)

[Configure email alert settings](#)

[Delete email alert recipient](#)

[Show email alert configuration](#)

[Test email alert configuration](#)

Syslog configuration

[Clear syslog configuration](#)

[Configure syslog settings](#)

[Create storage array syslog configuration](#)

[Delete storage array syslog configuration](#)

[Delete syslog server](#)

[Display storage array syslog configuration](#)

[Show syslog configuration](#)

[Start storage array syslog test](#)

[Test syslog configuration](#)

[Update storage array syslog configuration](#)

Array configuration commands

Cache mirror data assurance commands

Set storage array to enable or disable cache mirror data

Show storage array cache mirror data assurance check enable

Controller commands

Clear drive channel statistics

Diagnose controller

Diagnose controller iSCSI host cable

Enable controller data transfer

Reset controller

Save controller NVSRAM

Save drive channel fault isolation diagnostic status

Set controller

Set controller DNS settings

Set controller NTP settings

Set controller service action allowed indicator

Set drive channel status

Set host channel

Show controller

Show controller diagnostic status

Show controller NVSRAM

Show drive channel statistics

Start controller trace

Start drive channel fault isolation diagnostics

Start drive channel locate

Start iSCSI DHCP refresh

Stop drive channel fault isolation diagnostics

Stop drive channel locate

Controller health image commands

[Save storage array controller health image](#)

[Set storage array controller health image allow overwrite](#)

[Show storage array controller health image](#)

[Start storage array controller health image](#)

Controller host port configuration commands

[Create host port](#)

[Create initiator](#)

[Delete initiator](#)

[Set initiator](#)

[Reset storage array host port statistics baseline](#)

[Save storage array host port statistics](#)

[Set controller host port properties](#)

[Set target properties](#)

[Set iSCSI host port networking properties](#)

[Set iSCSI initiator](#)

[Show storage array unconfigured iSCSI initiators](#)

[Show unconfigured initiators](#)

Drive commands

[Download drive firmware](#)

[Recover disabled drive ports](#)

[Replace drive](#)

[Revive drive](#)

[Save drive channel fault isolation diagnostic status](#)

[Save drive log](#)

[Set drive hot spare](#)

[Set drive service action allowed indicator](#)

[Set drive state](#)

[Set FIPS drive security identifier](#)

[Set foreign drive to native](#)

[Show drive](#)

[Show drive download progress](#)

[Show drive performance statistics](#)

[Show replaceable drives](#)

[Start drive channel fault isolation diagnostics](#)

[Start drive initialize](#)

[Start drive locate](#)

[Start drive reconstruction](#)

[Start secure drive erase](#)

[Stop drive channel fault isolation diagnostics](#)

[Stop drive locate](#)

Feature management commands

[Disable storage array feature](#)

[Enable storage array feature](#)

[Set storage array to enable or disable Automatic Load Balancing...](#)

[Show storage array](#)

Input output controller (IOC) dump commands

[Save input output controller \(IOC\) dump](#)

[Start input output controller \(IOC\) dump](#)

Misbehaving drive (MBD) commands

[Replace drive](#)

[Reset drive](#)

[Set drive state](#)

[Stop drive replace](#)

Offloaded data transfer (ODX) commands

[Enable or disable ODX](#)

[Enable or disable VAAI](#)

[Show storage array ODX setting](#)

Repository volume analysis commands

[Check repository consistency](#)

Session commands

[Set session](#)

Storage array commands

[Activate storage array firmware](#)

[Add certificate from array](#)

[Add certificate from file](#)

[Autoconfigure storage array](#)

[Autoconfigure storage array hot spares](#)

[Clear storage array configuration](#)

[Clear storage array event log](#)

[Clear storage array firmware pending area](#)

[Clear storage array recovery mode](#)

[Create storage array security key](#)

[Delete certificates](#)

[Disable external security key management](#)

[Disable storage array feature](#)

[Download storage array drive firmware](#)

[Download storage array firmware/NVSRAM](#)

[Download storage array NVSRAM](#)

[Enable external security key management](#)

[Enable or disable host connectivity reporting](#)

[Enable storage array feature](#)

[Export storage array security key](#)

[Import storage array security key](#)

Load storage array DBM database

Re-create external security key

Reset storage array diagnostic data

Reset storage array InfiniBand statistics baseline

Reset storage array iSCSI baseline

Reset storage array RLS baseline

Reset storage array SAS PHY baseline

Reset storage array SOC baseline

Reset storage array volume distribution

Save storage array configuration

Save storage array DBM database

Save storage array DBM validator information file

Save storage array diagnostic data

Save storage array events

Save storage array firmware inventory

Save storage array InfiniBand statistics

Save storage array iSCSI statistics

Save storage array performance statistics

Save storage array RLS counts

Save storage array SAS PHY counts

Save storage array SOC counts

Save storage array state capture

Save storage array support data

Set storage array

Set storage array ICMP response

Set storage array iSNS server IPv4 address

Set storage array iSNS server IPv6 address

Set storage array iSNS server listening port

Set storage array iSNS server refresh

Set storage array learn cycle

Set storage array PQ validation on reconstruct

Set storage array redundancy mode

Set Storage Array Resource Provisioned Volumes

Set storage array security key

Set storage array time

Set storage array tray positions

Set storage array unnamed discovery session

Show certificates

Show storage array

Show storage array auto configuration

Show storage array DBM database

Show storage array host connectivity reporting

Show storage array host topology

Show storage array LUN mappings

Show storage array negotiation defaults

Show storage array ODX setting

Show storage array power information

Show storage array unconfigured iSCSI initiators

Show storage array unreadable sectors

Show string

Start Storage Array AutoSupport Manual Dispatch

Start storage array configuration database diagnostic

Start storage array iSNS server refresh

Start storage array locate

Stop storage array configuration database diagnostic

Stop storage array drive firmware download

Stop storage array iSCSI session

[Stop storage array locate](#)

[Validate storage array security key](#)

Tray commands

[Download environmental card firmware](#)

[Download tray configuration settings](#)

[Save tray log](#)

[Set drawer service action allowed indicator](#)

[Set tray attribute](#)

[Set tray identification](#)

[Set tray service action allowed indicator](#)

[Start tray locate](#)

[Stop tray locate](#)

Uncategorized commands

[Recover SAS port mis-wire](#)

[Show string](#)

Auto support commands

AutoSupport bundle collection commands for the E2700 and E5600

[Capture or view an AutoSupport log](#)

[Display AutoSupport bundle collection settings](#)

[Display AutoSupport message collection schedule](#)

[Enable or disable AutoSupport at the EMW management domain level...](#)

[Enable or disable the AutoSupport OnDemand feature at the EMW management domain level \(SMcli only\)](#)

[Enable or disable the AutoSupport OnDemand remote diagnostics feature at...](#)

[Reset AutoSupport message collection schedule](#)

[Schedule automatic support bundle collection configuration](#)

[Specify the AutoSupport delivery method](#)

[Test the AutoSupport configuration](#)

AutoSupport commands for all storage arrays

Enable or disable AutoSupport (individual arrays, for E2800, E5700 arrays only)

Save storage array support data

AutoSupport Commands for the E2800, E5700

Enable or disable AutoSupport maintenance window (for individual E2800 or E5700 arrays)

Enable or disable the AutoSupport OnDemand feature (for individual E2800 or E5700 arrays)

Enable or disable the AutoSupport Remote Diagnostics feature (for individual E2800 or E5700 arrays)

Retrieve an AutoSupport log (for individual E2800 or E5700 arrays)

Reset AutoSupport message collection schedule (for individual E2800 or E5700 arrays)

Show AutoSupport configuration (for E2800 or E5700 storage arrays)

Set AutoSupport message collection schedule (for individual E2800 or E5700 arrays)

Specify AutoSupport HTTP(S) delivery method (for individual E2800 or E5700 arrays)

Specify the Email (SMTP) delivery method (for individual E2800 or E5700 arrays)

Test AutoSupport delivery settings (for individual E2800 or E5700 arrays)

Mirroring commands

Asynchronous mirroring commands

Activate asynchronous mirroring

Add volume to asynchronous mirror group

Cancel asynchronous mirror group role reversal

Check asynchronous mirror group consistency

Clear asynchronous mirroring fault

Create asynchronous mirror group

Deactivate asynchronous mirroring

Delete asynchronous mirror group

Establish asynchronous mirrored pair

Remove incomplete asynchronous mirrored pair from asynchronous mirror group

Remove volume from asynchronous mirror group

Reset asynchronous mirror group statistics

Reset iSCSI IP address

Resume asynchronous mirror group

Save asynchronous mirror group statistics

Set asynchronous mirror group

Show asynchronous mirror groups

Show asynchronous mirror group synchronization progress

Start asynchronous mirroring synchronization

Suspend asynchronous mirror group

Test asynchronous mirror group connectivity

Synchronous mirroring commands

Activate Synchronous Mirroring

Check synchronous mirroring status

Create synchronous mirroring

Deactivate synchronous mirroring

Diagnose synchronous mirroring

Re-create synchronous mirroring repository volume

Remove synchronous mirroring

Resume synchronous mirroring

Set synchronous mirroring

Show synchronous mirroring volume candidates

Show synchronous mirroring volume synchronization progress

Start synchronous mirroring synchronization

Suspend synchronous mirroring

Performance tuning commands

Automatic load balancing commands

Save auto-load balancing statistics

Set storage array to enable or disable auto-load balancing

SSD cache commands

Add drives to SSD cache

Change SSD cache application type

Create SSD cache

Delete SSD cache

Remove drives from SSD cache

Rename SSD cache

Resume SSD cache

Set SSD cache for a volume

Show SSD cache

Show SSD cache statistics

Start SSD cache locate

Start SSD cache performance modeling

Stop SSD cache locate

Stop SSD cache performance modeling

Suspend SSD cache

Replication commands

Consistency group commands

Add member to consistency group

Create consistency group

Create consistency group snapshot image

Create consistency group snapshot volume

Create consistency group snapshot volume mapping

Delete consistency group

Delete consistency group snapshot image

Delete consistency group snapshot volume

Remove member volume from consistency group

Resume consistency group snapshot volume

Set consistency group attributes

Set consistency group snapshot volume

Show consistency group

Show consistency group snapshot image

Start consistency group snapshot rollback

Stop consistency group snapshot rollback

Stop consistency group snapshot volume

Stop pending snapshot images on consistency group

Repository volume analysis commands

Check repository consistency

Snapshot group commands

Create snapshot group

Delete snapshot volume

Revive snapshot group

Set snapshot group attributes

Set snapshot group media scan

Set snapshot group repository volume capacity

Set snapshot group schedule

Set SSD cache for a volume

Show snapshot group

Stop snapshot group pending snapshot images

Snapshot image commands

Create snapshot image

Delete snapshot image

Resume snapshot image rollback

Show snapshot image

Start snapshot image rollback

Stop snapshot image rollback

Snapshot volume commands

Create read-only snapshot volume

Create snapshot volume

Delete snapshot group

Rename snapshot volume

Resume snapshot volume

Revive snapshot volume

Set read-only snapshot volume to read/write volume

Set snapshot volume media scan

Set snapshot volume repository volume capacity

Set SSD cache for a volume

Show snapshot volumes

Stop snapshot volume

Volume copy commands

Create volume copy

Recopy volume copy

Remove volume copy

Set volume copy

Show volume copy

Show volume copy source candidates

Show volume copy target candidates

Stop volume copy

Security commands

Audit log management commands

Delete audit log records

Save audit log records

Set audit log settings

Show audit log configuration

[Show audit log summary](#)

Authentication commands

[Getting started with authentication](#)

[Create storage array directory server](#)

[Delete storage array directory server](#)

[Delete storage array login banner](#)

[Display storage array user session](#)

[Remove storage array directory server role mapping](#)

[Save storage array login banner](#)

[Set storage array directory server](#)

[Set storage array directory server role mapping](#)

[Set storage array local user password or SYMbol password](#)

[Set storage array login banner](#)

[Set storage array management interface](#)

[Set storage array password length](#)

[Set storage array user session](#)

[Show storage array directory services summary](#)

[Test storage array directory server](#)

Certificate management commands for E2800 and E5700 controllers

[Generate web server Certificate Signing Request \(CSR\)](#)

[Install server signed certificate](#)

[Install root/intermediate CA certificates](#)

[Install trusted CA certificates](#)

[Remove installed trusted CA certificates](#)

[Remove installed signed certificate](#)

[Reset installed signed certificate](#)

[Retrieve installed CA certificates](#)

[Retrieve installed server certificate](#)

Retrieve installed trusted CA certificates

Set certificate revocation check settings

Show certificate revocation check settings

Show installed root/intermediate CA certificates summary

Show installed trusted CA certificates summary

Show signed certificate

Start certificate revocation OCSP server test

Certificate management commands for EF600

Add array label

Remove array label

Show array label

Database commands

Clear storage array configuration

Clear storage array recovery mode

Load storage array DBM database

Save storage array DBM database

Save storage array DBM validator information file

Show storage array DBM database

Start storage array configuration database diagnostic

Stop storage array configuration diagnostic

Embedded External Key Management commands

Getting started with external key management

Getting started with internal key management

Create storage array security key

Disable external security key management

Enable external security key management

Export storage array security key

Import storage array security key

Set FIPS drive security identifier

Set external key management settings

Set storage array security key

Start FDE secure drive erase

Test external key management communication

Validate storage array security key

External Key Management commands related to certificates

Retrieve installed key management CSR request

Install storage array external key management certificate

Remove installed external key management certificate

Retrieve installed external key management certificate

Storage monitor personnel commands

Display storage array user session

Save storage array login banner

Set session

Set storage array local user password or SYMbol password

Show asynchronous mirror group synchronization progress

Show asynchronous mirror groups

Show AutoSupport configuration (for E2800 or E5700 storage arrays)

Show consistency group

Show consistency group snapshot image

Show controller

Show controller NVSRAM

Show current iSCSI sessions

Show disk pool

Show drive

Show drive channel statistics

Show drive download progress

Show drive performance statistics

Show email alert configuration

Show host ports

Show replaceable drives

Show snapshot group

Show snapshot image

Show snapshot volumes

Show SNMP communities

Show SNMP MIB II system group variables

Show SSD cache

Show SSD cache statistics

Show storage array

Show storage array auto configuration

Show storage array controller health image

Show storage array DBM database

Show storage array host connectivity reporting

Show storage array host topology

Show storage array LUN mappings

Show storage array negotiation defaults

Show storage array ODX setting

Show storage array power information

Show storage array unconfigured iSCSI initiators

Show storage array unreadable sectors

Show string

Show synchronous mirroring volume candidates

Show synchronous mirroring volume synchronization progress

Show syslog configuration

Show thin volume

Show unconfigured initiators

Show volume

Show volume action progress

Show volume copy

Show volume copy source candidates

Show volume copy target candidates

Show volume group

Show volume group export dependencies

Show volume group import dependencies

Show volume performance statistics

Show volume reservations

Volume configuration commands

Disk pool commands

Create disk pool

Delete disk pool

Enable disk pool security

Reduce disk pool capacity

Set disk pool

Set disk pool (modify disk pool)

Show disk pool

Start Disk Pool Full Provisioning

Start Disk Pool Resource Provisioning

Start disk pool locate

Stop disk pool locate

Host topology commands

Create host

Create host group

Create host port

Delete host

Delete host group

Delete host port

Set host

Set host channel

Set host group

Set host port

Show host ports

Show storage array host topology

Internet storage name service (iSNS) commands

Set storage array

Set storage array iSNS registration

Set storage array iSNS server IPv4 address

Set storage array iSNS server IPv6 address

Set storage array iSNS server listening port

Set storage array iSNS server refresh

Start storage array iSNS server refresh

ISCSI extension for RDMA (iSER) commands

Reset storage array iSER baseline

Save storage array iSER statistics

Set iSER target

ISCSI commands

Create iSCSI initiator

Delete iSCSI initiator

Diagnose controller iSCSI host cable

Reset storage array iSCSI baseline

Save storage array iSCSI statistics

Set iSCSI initiator

Set iSCSI target properties

Show current iSCSI sessions

Show storage array negotiation defaults

Show storage array unconfigured iSCSI initiators

Start iSCSI DHCP refresh

Stop storage array iSCSI session

Volume commands

Check volume parity

Create Volume Mapping

Clear volume reservations

Clear volume unreadable sectors

Create RAID volume (automatic drive select)

Create RAID volume (free extent based select)

Create RAID volume (manual drive select)

Create volume in disk pool

Delete volume

Delete volume from disk pool

Increase capacity of volume in disk pool or volume group...

Initialize thin volume

Recover RAID volume

Remove volume LUN mapping

Repair volume parity

Repair Data Parity

Save Check Volume Parity Job Parity Errors

Set thin volume attributes

Set volume attributes for a volume in a disk pool...

Set volume attributes for a volume in a volume group...

Set volume mapping

Show Check Volume Parity Jobs

Show thin volume

Show volume

Show volume action progress

Show volume performance statistics

Show volume reservations

Start check volume parity job

Start volume initialization

Stop Check Volume Parity Job

Volume group commands

Create volume group

Delete volume group

Enable volume group security

Revive volume group

Set volume group

Set volume group forced state

Show volume group

Show volume group export dependencies

Show volume group import dependencies

Start volume group defragment

Start volume group export

Start Volume Group Full Provisioning

Start Volume Group Resource Provisioning

Learn about volume group migration (CLI only)

Start volume group import

Start volume group locate

Stop volume group locate

Copyright information

Copyright © 2024 NetApp, Inc. All Rights Reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system—without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

Trademark information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.