# **■** NetApp

# **Commands by category**

**SANtricity commands** 

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# **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

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 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

Set synchronous mirroring

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 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

Suspend asynchronous mirror group

Suspend SSD cache

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 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 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

**Update SNMP community** 

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

### 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 iSCSI host cable

Set storage array controller health image allow overwrite

Show storage array controller health image

Diagnose controller

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

#### **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 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

Show drive performance statistics

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)

#### **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 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 locate Stop disk pool locate **Host topology commands** Create host Create host group Create host port Delete host

Show unconfigured initiators

Show volume action progress

Show volume copy source candidates

Show volume copy target candidates

Show volume group export dependencies

Show volume group import dependencies

Show volume

Show volume copy

Show volume 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

Delete host group

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 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 thin volume

Show volume

Show volume action progress

Show volume performance statistics

Show volume reservations

Start volume initialization

#### **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

Learn about volume group migration (CLI only)

Start volume group import

Start volume group locate

Stop volume group locate

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