




---

## Symbols

\* (asterisk)

iSCSI node [4-99](#)

---

## A

AAA authentication

configuring [4-50, 4-51](#)

access control

enforcing iSCSI

enforcing access control [4-13](#)

iSCSI [4-11, 4-12](#)

access control zoning based access control iSCSI

zoning based access control [4-13](#)

ACL based access control

configuring for iSCSI [4-12](#)

ACLs

configuring for iSCSI [4-12](#)

advertised interfaces [4-39](#)

advertisement packets

setting time intervals [5-20](#)

ARP

clearing entries [5-27](#)

displaying entries [5-27](#)

ARP caches

clearing [7-9](#)

displaying [7-11](#)

authentication

CHAP option [4-72](#)

configuring local with Device Manager [4-52](#)

iSCSI setup [4-71](#)

local [4-52](#)

Text Part Number:

MD5 [5-22](#)

mechanism [4-50](#)

mutual CHAP mutual CHAP authentication [4-53](#)

restricting iSLB initiator initiator authentication

restricting iSLB

restricting iSLB initiators [4-64](#)

simple text [5-22](#)

See also MD5 authentication

See also simple text authentication

autogenerated iSCSI target iSCSI

autogenerated target [4-13](#)

auto-negotiation

configuring Gigabit Ethernet interfaces [6-6, 7-5](#)

---

## B

B ports

configuring [2-34](#)

interoperability mode [2-9](#)

SAN extenders [2-10](#)

bridge ports. See B ports

buffer sizes

configuring in FCIP profiles [2-30](#)

---

## C

CFS

iSLB config distribution [4-21](#)

CHAP authentication [4-13, 4-19, 4-72](#)

configuring for iSCSI [4-72](#)

CHAP challenge [4-53](#)

CHAP response [4-53](#)

CHAP user name [4-52](#)

[Send documentation comments to dcnm-san-docfeedback@cisco.com](mailto:dcnm-san-docfeedback@cisco.com)

Cisco Discovery Protocol [6-10](#)

Cisco Transport Controller. See CTC

cloud discovery. See iSNS cloud discovery

congestion window monitoring. See CWM

core dumps

IPS modules [6-5](#)

CTC

description [2-24](#)

launching [2-24](#)

Cut-through routing mode [4-15](#)

cut-thru routing mode [4-16](#)

CWM

configuring in FCIP profiles [2-29](#)

## D

default gateways. See IPv4 default gateways

default networks. See IPv4 default networks

differentiated services code point. See DSCP

direct memory access devices. See DMA-bridges

DMA-bridges

displaying statistics [6-17](#)

DNS

default settings [5-8](#)

DNS hosts

displaying information [5-30](#)

DNS servers

configuring [5-7](#)

domain names

defining [5-24](#)

Domain Name System servers. See DNS servers

drivers

iSCSI [4-2](#)

DSCP

configuring [2-11](#)

dynamic initiator mode parameter

distributed with CFS [4-21](#)

dynamic iSCSI initiator

converting [4-59](#)

convert to static iSCSI

convert dynamic initiator to static [4-43](#)

dynamic mapping [4-5, 4-18](#)

dynamic mapping iSCSI

dynamic mapping iSCSI

static mapping static mapping [4-4](#)

## E

ELP

verifying using Device Manager (procedure) [2-39](#)

entity status inquiry. See ESI

E ports

configuring [2-12](#)

trunking configuration [2-24](#)

ESI

non-resp threshold [4-79](#)

Ethernet MAC statistics

displaying [6-17](#)

Ethernet PortChannels

configuring [6-14](#)

description [6-9](#)

iSCSI [4-28](#)

redundancy [2-7](#)

explicit fabric logout [4-8](#)

Extended Link Protocol. See ELP

external RADIUS server

CHAP [4-73](#)

external RADIUS servers

CHAP [4-73](#)

## F

fabric lock

releasing [4-69](#)

FCIP [4-1](#)

checking trunk status (procedure) [2-24](#)

compression [2-18](#)

Send documentation comments to [dcnm-san-docfeedback@cisco.com](mailto:dcnm-san-docfeedback@cisco.com)

- configuring ?? to 2-39, ?? to 2-39
- configuring using FCIP Wizard ?? to 2-22
- default parameters 2-19
- discarding packets 2-33
- enabling 2-21
- Gigabit Ethernet ports 6-4, 7-2
- high availability 2-5 to ??
- IPS modules 2-2
- IP storage services support 6-1, 6-2
- link failures 2-6
- MPS-14/2 module 2-2
- tape acceleration 2-14 to 2-44
- time stamps 2-33
- VE ports 2-2
- verifying ELP (procedure) 2-39
- verifying interfaces (procedure) 2-39
- virtual ISLs 2-2
- VRRP 2-7
- write acceleration 2-12
- FCIP compression
  - configuring 2-37
  - configuring (procedure) 2-22
  - description 2-18
  - displaying information 2-44
- FCIP interfaces
  - configuring advanced features ?? to 2-35
  - configuring peers 2-9
  - configuring QoS 2-11
  - creating 2-9
  - displaying information 2-39
  - parameters 2-5
- FCIP links
  - B port interoperability mode 2-9
  - configuring 2-23
  - configuring peers 2-9
  - configuring QoS 2-11
  - description 2-3
  - endpoints 2-3
  - initiating IP connections 2-32
  - TCP connections 2-3
- FCIP listener ports
  - configuring 2-25
- FCIP peers
  - configuring IP addresses 2-31
- FCIP profiles
  - configuring listener ports 2-25
  - configuring TCP parameters 2-26 to 2-31, ?? to 2-39
  - creating 2-23
  - description 2-4
  - displaying information 2-38
- FCIP tape acceleration
  - configuring 2-36
  - description 2-14 to 2-18
  - displaying information 2-42
- FCIP TCP parameters
  - configuring buffer size 2-30
  - configuring CWM 2-29
  - configuring keepalive timeouts 2-26
  - configuring maximum jitter 2-30
  - configuring maximum retransmissions 2-27
  - configuring minimum retransmit timeouts 2-26
  - configuring PMTUs 2-27
  - configuring SACKs 2-28
  - configuring window management 2-28
  - displaying 2-31, 2-39
- FCIP write acceleration
  - configuring 2-35
  - configuring (procedure) 2-22
  - description 2-12
  - displaying information 2-41
- FCP
  - routing requests 4-4
- Fibre Channel 4-1
  - iSCSI targets 4-4 to 4-107
- Fibre Channel interfaces
  - default settings 2-19, 3-4, 5-8, 6-11, 7-4, 8-13
- Fibre Channel over IP. See FCIP
- Fibre Channel targets

Send documentation comments to [dcnm-san-docfeedback@cisco.com](mailto:dcnm-san-docfeedback@cisco.com)

dynamic importing [4-37, 4-38](#)

dynamic mapping [4-37, 4-38](#)

Fibre Channel zoning-based access control [4-13](#)

FPSF

load balancing (example) [2-6](#)

frames

configuring MTU size [6-6, 7-6](#)

full core dumps

IPS modules [6-5](#)

## G

Gigabit Ethernet

IPv4 example configuration [6-5](#)

Gigabit Ethernet interface example [4-26](#)

Gigabit Ethernet interfaces

configuring [6-4 to 6-10](#)

configuring auto-negotiation [6-6, 7-5](#)

configuring high availability [6-8 to ??](#)

configuring IPv6 addresses [8-14](#)

configuring MTU frame sizes [6-6, 7-6](#)

configuring promiscuous mode [6-6, 7-7](#)

configuring static IPv4 routing [7-8](#)

configuring VRRP [6-12](#)

default parameters [7-4](#)

displaying statistics [?? to 6-19](#)

subinterfaces [6-7, 7-3](#)

subnet requirements [6-7, 7-3](#)

verifying connectivity [7-10](#)

Gigabit Ethernet subinterfaces

configuring VLANs [7-7](#)

global authentication

parameter distributed [4-21](#)

## H

HA solution example [4-25](#)

HBA port [4-7, 4-10](#)

hexadecimal fields [8-11](#)

high availability

Ethernet PortChannel [4-28](#)

Ethernet PortChannels [2-7](#)

Fibre Channel PortChannels [2-8](#)

VRRP [2-7, 4-27](#)

VRRPVRRP-based high availability [4-27](#)

ICMP

displaying statistics [6-19](#)

IPv6 [8-6](#)

ICMP packets

IPv6 header format, figure [8-7](#)

in-band management

IPFC [5-5](#)

initiators

statically mapped iSCSI [4-17](#)

interfaces

default settings [2-19, 3-4, 5-8, 6-11, 7-4, 8-13](#)

Internet Control Message Protocol. See ICMP

Internet Storage Name Service. See iSNS

IP connections

active mode [2-32](#)

initiating [2-32](#)

passive mode [2-33](#)

IPFC

configuring VSAN interfaces [5-11](#)

description [5-5](#)

enabling IPv4 routing [5-11](#)

example configuration [?? to 5-33](#)

IPS core dumps. See core dumps

IPsec

configuring with FCIP Wizard (procedure) [2-22](#)

IPS modules

configuring CDP [6-10](#)

core dumps [6-5](#)

FCIP [2-2](#)

Send documentation comments to [dcnm-san-docfeedback@cisco.com](mailto:dcnm-san-docfeedback@cisco.com)

- partial core dumps [6-5](#)
- port modes [6-4, 7-2](#)
- software upgrades [6-3](#)
- supported features [6-1, 6-2](#)
- IPS port mode
  - description [6-4](#)
- IPS ports [4-5](#)
  - modes [7-2](#)
  - multiple connections [4-26](#)
- IP storage services
  - default parameters [6-11](#)
- IP Storage services modules. See IPS modules
- IPv4
  - configuring management interfaces [5-9](#)
  - configuring virtual routers [5-17](#)
  - default settings [7-4](#)
  - displaying statistics [7-11](#)
  - transitioning to IPv6 [8-12](#)
- IPv4 addresses
  - adding for VRRP [5-18](#)
  - configuring in VSANs [5-11](#)
  - configuring IPv4 and IPv6 protocol stacks [8-15](#)
  - IPv6 protocol stacks [8-10](#)
- IPv4 default gateways
  - configuring [5-10, 5-11](#)
  - description [5-3](#)
  - IP static routing [5-3](#)
  - static routes (tip) [5-4](#)
  - verifying configuration [5-25](#)
- IPv4 default networks
  - description [5-4](#)
- IPv4 routing
  - configuring Gigabit Ethernet interfaces [7-8](#)
  - disabling [5-11](#)
  - displaying route tables [7-10](#)
  - enabling [5-11](#)
  - verifying configuration [5-26](#)
- IPv4 static routing
  - configuring [5-12](#)
- description [5-5](#)
- verifying configuration [5-26](#)
- IPv6
  - address types [8-3](#)
  - configuring addressing [8-11, 8-14](#)
  - configuring IPv4 and IPv6 addresses [8-15](#)
  - configuring management interfaces [5-9](#)
  - configuring neighbor discovery parameters [8-16](#)
  - configuring virtual routers [5-18](#)
  - description [?? to 8-11](#)
  - displaying information [8-20](#)
  - dual IPv4 and IPv6 protocol stack applications, figure [8-11](#)
  - dual IPv4 and IPv6 protocol stacks [8-10](#)
  - dual IPv4 and IPv6 protocol stack technique, figure [8-10](#)
  - enabling routing [8-11, 8-14](#)
  - enhancements over IPv4 [8-1](#)
  - ICMP [8-6](#)
  - neighbor discovery [8-7](#)
  - path MTU discovery [8-7](#)
  - router advertisement messages [8-9](#)
  - router discovery [8-9](#)
  - stateless autoconfiguration [8-9](#)
  - transitioning from IPv4 [8-12](#)
  - verifying basic connectivity [8-21](#)
  - verifying configuration [8-21](#)
- IPv6 addresses
  - adding for VRRP [5-19](#)
  - configuring [8-11, 8-14](#)
  - configuring IPv4 and IPv6 protocol stacks [8-15](#)
  - formats [8-2](#)
  - link-local type [8-4](#)
  - multicast type [8-5](#)
  - prefix format [8-3](#)
  - unicast type [8-3](#)
- IPv6 enhancements over IPv4 [8-1](#)
- IPv6 neighbor discovery
  - advertisement messages [8-7](#)

[Send documentation comments to dcnm-san-docfeedback@cisco.com](mailto:dcnm-san-docfeedback@cisco.com)

- description [8-7](#)
- neighbor solicitation message, figure [8-8](#)
- solicitation messages [8-7](#)
- IPv6 routing
  - enabling [8-11, 8-14](#)
- IPv6 static routes
  - displaying the route table [8-19](#)
- IQN
  - formats [4-5](#)
- IQNs
  - formats [4-5](#)
- ISCSI
  - enforcing access control [4-13](#)
- iSCSI
  - access control [4-11 to 4-13](#)
  - add initiator to zone database [4-47, 4-48](#)
  - advanced VSAN membershipadvanced VSAN membership [4-11](#)
  - checking for WWN conflicts [4-43](#)
  - configuring [?? to 4-29](#)
  - configuring AAA authentication [4-50, 4-51](#)
  - configuring ACLs [4-12](#)
  - configuring VRRP [4-27](#)
  - creating virtual targets [4-38](#)
  - default parameters [4-33](#)
  - discovery phase [4-13](#)
  - displaying global information [4-90](#)
  - displaying statistics [4-87](#)
  - drivers [4-2](#)
  - enabling [4-2, 4-35](#)
  - error [4-7](#)
  - Fibre Channel targets [4-4 to 4-107](#)
  - Gigabit Ethernet ports [6-4, 7-2](#)
  - GW flagiSCSI
    - gateway device [4-8](#)
  - HA with host without multi-path software [4-24](#)
  - initiator idle timeoutinitiator idle timeout
    - iSCSIinitiator idle timeout
      - configuring with Fabric Manager [4-40](#)
  - initiator name [4-52](#)
  - initiator targets [4-37](#)
  - IPS module support [6-2](#)
  - IQNs [4-6](#)
  - login redirect [4-18](#)
  - LUN mapping for targets [4-119 to 4-125](#)
  - MPS-14/2 module support [6-2](#)
  - multiple IPS ports [4-26](#)
  - PortChannel-based high availability [4-28](#)
  - PortChannel-based high availabilityEthernet
    - PortChannel-based high availability [4-28](#)
  - protocol [4-2](#)
  - requests and responses [4-4](#)
  - restrict an initiator to a specific user name for CHAP authentication [4-52](#)
  - routing [4-2](#)
  - routing modes chartrouting modes chart for iSCSI [4-16](#)
  - session creation [4-13](#)
  - session limits [4-7](#)
  - statically mapped initiators [4-17](#)
  - tables in Fabric Manager [4-44](#)
  - targets in Device Manager [4-38](#)
  - transparent initiator mode [4-7](#)
  - transparent mode initiator [4-111 to 4-116](#)
  - users with local authentication [4-52](#)
  - using iSCSI Wizard (procedure) [4-37](#)
  - VSAN membership [4-11](#)
  - VSAN membership example [4-107](#)
  - VSAN membership for iSCSI interfaces [4-11, 4-46](#)
  - zone name [4-37](#)
- iSCSI authentication
  - CHAP option [4-72](#)
  - configuring [4-13, 4-19](#)
  - configuring mechanisms [4-51](#)
  - configuring RADIUS (procedure) [4-54](#)
  - external RADIUS servers [4-73](#)
  - global override [4-50](#)
  - local authentication [4-52](#)
  - mechanisms [4-50](#)

Send documentation comments to [dcnm-san-docfeedback@cisco.com](mailto:dcnm-san-docfeedback@cisco.com)

- restricting on initiators [4-52](#)
- scenarios [4-71](#)
- setup guidelines [4-71](#)
- iSCSI-based access control [4-11, 4-12](#)
- iSCSI devices
  - example membership in VSANs [4-107](#)
- iscsi-gw [4-10](#)
- iSCSI high availability
  - configuring [4-23 to 4-29](#)
- iSCSI hosts
  - initiator identification [4-6](#)
- iSCSI initiators
  - assigning WWNs [4-42](#)
  - configuring dynamic IP address mapping [4-41](#)
  - configuring static IP address mapping [4-41](#)
  - displaying information [4-91 to 4-94](#)
  - displaying proxy information [4-88](#)
  - dynamic mapping [4-9](#)
  - making dynamic WWN mapping static [4-43](#)
  - proxy mode [4-9](#)
  - statically mapped (procedure) [4-41](#)
  - static mapping [4-9](#)
  - transparent mode [4-7](#)
  - WWN assignments [4-8](#)
- iSCSI interfaces
  - configuring [4-6, 4-6 to 4-55](#)
  - configuring listener ports [4-14](#)
  - configuring listener portsiSCSI
    - listener port [4-14](#)
  - configuring QoS [4-55](#)
  - configuring routing mode [4-15 to 4-55](#)
  - configuring routing modesiSCSI
    - configuring routing modesrouting modes [4-15](#)
  - configuring TCP tuning parameters [4-14](#)
  - creating [4-36](#)
  - creatingiSCSI
    - creating interfaces [4-36](#)
    - displaying information [4-86](#)
- iSCSI LUs [4-5](#)
- iSCSI protocol [4-1](#)
- iSCSI server load balancing [4-17](#)
- iSCSI Server Load Balancing. See iSLB
- iSCSI sessions
  - authentication [4-13 to 4-54](#)
  - authenticationiSCSI
    - session authenticationauthentication
    - iSCSI session [4-13](#)
  - displaying information [4-90](#)
- iSCSI targets
  - advertising [4-39](#)
  - dynamic importing [4-5](#)
  - dynamic mapping [4-5](#)
  - secondary access [4-25](#)
  - static importing [4-6](#)
  - static importingstatic mappingiSCSI targets
    - static mapping [4-6](#)
  - transparent failover [4-23, 4-23 to 4-71, ?? to 4-71](#)
- iSCSI users
  - displaying information [4-95](#)
- iSCSI virtual targets
  - displaying information [4-95](#)
- iSLB
  - activating zones [4-18, 4-61](#)
  - auto-zoning [4-22](#)
  - committing configuration changescommitting configuration changes
    - iSLB [4-68](#)
  - configuration distribution [4-21 to ??, 4-67](#)
  - configuring [4-56](#)
  - configuring initiators and targets [4-18, 4-61](#)
  - configuring VRRP [4-66](#)
  - configuring with Device Manager [4-56](#)
  - configuring zones [4-18, 4-61](#)
  - default settings [4-34](#)
  - distributing configuration using CF [4-21](#)
  - dynamic initiator mapping [4-59](#)
  - enabling configuration distribution [4-67](#)
  - initiator WWN assignment [4-56](#)

[Send documentation comments to dcnm-san-docfeedback@cisco.com](mailto:dcnm-san-docfeedback@cisco.com)

- load balancing algorithm [4-21 to 4-110](#)
- maximum initiators [4-32](#)
- static initiator configuration
  - static iSLB [4-17](#)
- VSAN membership [4-59](#)
- zone set activation failed [4-63](#)
- iSLB
  - default settings [4-34](#)
- iSLB auto-zone feature [4-33](#)
- iSLB initiators [4-18](#)
  - assigning WWNs [4-18](#)
  - configuring [?? to 4-19](#)
  - configuring IP addresses [4-57](#)
  - configuring names [4-57](#)
  - configuring static name mapping [4-58](#)
  - description [4-17](#)
  - dynamic initiator mapping [4-59](#)
  - VSAN membership [4-59](#)
- iSLB initiator targets
  - configuring [4-61](#)
  - description [4-18, 4-61](#)
- iSLB sessions
  - maximum per IPS port
    - maximum sessions per IPS port [4-32, 4-33](#)
- iSLB VRRP
  - displaying information [4-95](#)
  - enabling [4-66](#)
- iSLB with CFS distribution [4-33](#)
- iSMS servers
  - enabling [4-78](#)
- iSNS
  - client registration [4-31](#)
  - cloud discovery [4-105](#)
  - configuring [4-31](#)
  - configuring servers [?? to 4-31, 4-77 to ??](#)
  - description [4-29](#)
  - ESI [4-79](#)
- iSNS client
  - description [4-30](#)

- iSNS clients
  - creating profiles [4-75](#)
  - verifying configuration [4-97](#)
- iSNS cloud discovery
  - CFS distribution [4-82](#)
  - description [4-31](#)
  - displaying statistics [4-105](#)
  - verifying configuration [4-104](#)
  - verifying membership [4-105](#)
  - verifying status [4-105](#)
- iSNS profiles
  - creating [4-75](#)
  - verifying configuration [4-97](#)
- iSNS servers
  - configuration distribution [4-78](#)
  - description [4-30](#)
  - displaying configurations [4-98 to 4-104](#)
  - enabling [4-78](#)

---

## J

- jitter
  - configuring estimated maximum in FCIP profiles [2-30](#)
- jumbo frames. See MTUs

---

## K

- keepalive timeouts
  - configuring in FCIP profiles [2-26](#)

---

## L

- latency
  - forwarding [4-15](#)
- link-local addresses
  - description [8-4](#)
  - format, figure [8-5](#)
- link redundancy



Send documentation comments to [dcnm-san-docfeedback@cisco.com](mailto:dcnm-san-docfeedback@cisco.com)

- Ethernet PortChannel aggregation [6-9](#)
- load balancing [4-17, 4-18](#)
  - FSPF (example) [2-6](#)
  - PortChannels (example) [2-5](#)
  - weighted [4-60](#)
- load metric [4-60](#)
- lock the fabric [4-22](#)
- LUN [4-5](#)
  - trespass for storage port failover [4-71](#)
- LUN mapping [4-25](#)
  - iSCSI [4-119 to 4-125](#)
- LUNs
  - explicit access control [4-9](#)
  - mapping and assignment [4-10](#)
- LUs [4-4, 4-5](#)

## M

- management interfaces
  - configuring [5-9](#)
  - configuring for IPv4 [5-9](#)
  - configuring for IPv6 [5-9](#)
  - default settings [2-19, 3-4, 5-8, 6-11, 7-4, 8-13](#)
- maximum retransmissions
  - configuring in FCIP profiles [2-27](#)
- MD5 authentication
  - VRRP [5-22](#)
- merge status conflictsiSLB
  - merge status conflictsCFS
    - merge status conflicts [4-23](#)
- mgmt0 interfaces
  - configuring IPv4 addresses [5-9](#)
  - configuring IPv6 addresses [5-9](#)
  - default settings [2-19, 3-4, 5-8, 6-11, 7-4, 8-13](#)
  - local IPv4 routing [5-4](#)
- minimum retransmit timeouts
  - configuring in FCIP profiles [2-26](#)
- MPS-14/2 modules [4-1, 4-2, 4-3, 4-10, 4-13, 4-36](#)
  - FCIP [2-2](#)

- port modes [6-4, 7-2](#)
- software upgrades [6-4](#)
- supported features [6-1, 6-2](#)
- MTU frame sizes
  - configuring Gigabit Ethernet interfaces [6-6](#)
- MTUs
  - configuring frame sizes [7-6](#)
  - configuring size
  - path discovery for IPv6 [8-7](#)
- multicast addresses
  - IPv6 alternative to broadcast addresses [8-6](#)
  - IPv6 format, figure [8-5](#)
  - IPv6 solicited-node format, figure [8-6](#)
- multi-path software example [4-24](#)
- multiple VSANs
  - configuring [5-14](#)
- Multiprotocol Services modules. See MPS-14/2 modules
- mutual CHAP authentication
  - configuring for iSCSI [4-53](#)
  - configuring for iSLB [4-65](#)
  - configuring for iSLBI [4-65](#)

## N

- neighbor discovery
  - configuring parameters [8-16](#)
  - verifying configuration [8-19](#)
- None authentication [4-13](#)
- NTP
  - time-stamp option [2-33](#)

## O

- overlay VSANs
  - configuring [5-12](#)
  - description [5-5](#)

[Send documentation comments to dcnm-san-docfeedback@cisco.com](mailto:dcnm-san-docfeedback@cisco.com)

## P

packets

discarding in FCIP [2-33](#)

pass-thru routing mode [4-15, 4-16](#)

path MTUs. See PMTUs

PDU [4-15](#)

PMTUs

configuring in FCIP profiles [2-27](#)

PortChannel

interfaces [4-39](#)

subinterfaces [4-39](#)

PortChannels

configuring for FCIP high availability [2-5](#)

IQN formats [4-5](#)

load balancing (example) [2-5](#)

member combinations [6-9](#)

redundancy [2-8](#)

port modes

IPS [6-4, 7-2](#)

ports

virtual E [2-2](#)

promiscuous mode

configuring Gigabit Ethernet interfaces [6-6, 7-7](#)

protocol [4-1](#)

protocols

VRRP [4-5](#)

proxy initiator

configuring iSCSI

configuring proxy initiator [4-44, 4-45](#)

proxy initiator mode [4-7, 4-12](#)

configuring [4-10](#)

zoning [4-45](#)

proxy initiator mode iSCSI

proxy initiator mode [4-9](#)

Pv6 address formats [8-11](#)

pWWNs

converting dynamic to static [4-43](#)

## Q

QoS

DSCP value [2-11](#)

QoS values

configuring [4-55](#)

## R

RADIUS [4-74](#)

AAA authentication [4-13, 4-19](#)

configuring an iSCSI RADIUS server iSCSI

configuring a RADIUS server [4-54](#)

redundancy

Ethernet PortChannels [2-7, 2-8](#)

Fibre Channel PortChannels [2-8](#)

VRRP [2-7](#)

router discovery

IPv6 [8-9](#)

RSCNs [4-40](#)

## S

SACKs

configuring in FCIP profiles [2-28](#)

SAN extension tuner

assigning SCSI read/write commands [3-8, 3-10](#)

configuring [3-3](#)

configuring data patterns [3-11](#)

configuring nWWNs [3-7](#)

configuring virtual N ports [3-7](#)

data patterns [3-4](#)

initialization [3-7](#)

tuning guidelines [3-2](#)

verifying configuration [3-12](#)

SCSI

routing requests [4-2](#)

security parameter index. See SPI

selective acknowledgments. See SACKs

Send documentation comments to [dcnm-san-docfeedback@cisco.com](mailto:dcnm-san-docfeedback@cisco.com)

## SPI

- configuring virtual routers [5-22](#)
- statically imported iSCSI targets [4-25](#)
- static iSLB initiator
  - converting [4-59](#)
- static mapped iSCSI target/iSCSI
  - static mapped target [4-13](#)
- static mapping [4-18](#)
- static WWN mapping [4-12](#)
- store-and-forward routing mode [4-15, 4-16](#)
- subnet masks
  - configuring IPv4 routes [5-12](#)
- subnets
  - requirements [6-7, 7-3](#)
- switch management
  - in-band [5-5](#)
- switchovers
  - VRRP [2-7](#)

## T

- TACACS+
  - AAA authentication [4-19](#)
- target discovery [4-31](#)
- TCP connections
  - FCIP profiles [2-4](#)
- TCP parameters
  - configuring in FCIP profiles [2-26 to 2-31, ?? to 2-39](#)
- TCP statistics
  - displaying [6-18](#)
- TCP tuning parameters [4-14](#)
- transient failure [4-40](#)
- transparent initiator mode [4-7](#)
- transparent initiator mode/iSCSI
  - transparent initiator mode [4-9](#)
- troubleshooting
  - CTC [2-24](#)
- trunking
  - link state [2-24](#)

## trunking mode

- FCIP interface [2-5](#)

## V

### VE ports

- description [2-2](#)
- FCIP [2-2](#)

virtual E ports. See VE ports

virtual Fibre Channel host [4-3](#)

### virtual ISLs

- description [2-2](#)

Virtual LANs. See VLANs

virtual LANs. See VLANs

virtual router IDs. See VR IDs

Virtual Router Redundancy Protocol. See VRRP

Virtual Router Redundancy Protocol/protocols

- Virtual Router Redundancy [4-17](#)

### virtual routers

- adding [5-17](#)
- adding primary IP addresses [5-18](#)
- authentication [5-22](#)
- configuring for IPv4 [5-17](#)
- configuring for IPv6 [5-18](#)
- default settings [5-8](#)
- deleting [5-17](#)
- initiating [5-17](#)
- setting priorities [5-19](#)

### VLANs

- configuring on Gigabit Ethernet subinterfaces [7-7](#)
- description [6-6, 7-2](#)

### VR IDs

- configuring for IPv4 [5-17](#)
- configuring for IPv6 [5-17](#)
- description [5-6](#)
- mapping [5-6](#)

### VRRP

- algorithm for selecting Gigabit Ethernet interfaces [4-21 to 4-110](#)

[Send documentation comments to dcnm-san-docfeedback@cisco.com](mailto:dcnm-san-docfeedback@cisco.com)

- backup switches [5-6](#)
- clearing statistics [5-29](#)
- configuring advertisement time intervals [5-20](#)
- configuring for Gigabit Ethernet interfaces [6-12](#)
- configuring for iSLB [4-66](#)
- configuring virtual routers [5-17](#)
- configuring VR IDs for IPv4 [5-17](#)
- configuring VR IDs for IPv6 [5-17](#)
- default settings [5-8](#)
- description [5-5, 6-8](#)
- displaying information [5-27 to 5-29](#)
- displaying statistics [5-29](#)
- group members [6-8](#)
- initiating virtual routers [5-17](#)
- IQN formats [4-5](#)
- iSCSI parameter change impact [4-21](#)
- iSLB [4-19 to 4-96](#)
- master switches [5-6](#)
- MD5 authentication [5-22](#)
- primary IP address [5-18](#)
- priority preemption [5-21](#)
- security authentication [5-22](#)
- setting priorities [5-19](#)
- setting priority [5-19](#)
- simple text authentication [5-22](#)

VRRP group [4-46](#)

VRRP–I f iSCSI login redirect [4-18](#)

VSAN interfaces

- configuring IPv4 addresses [5-11](#)
- verifying configuration [5-26](#)

VSANs

- configuring multiple IPv4 subnets [5-14](#)
- example membership for iSCSI devices [4-107](#)
- gateway switches [5-4](#)
- IPv4 static routing [5-5](#)
- iSLB [4-59](#)
- iSLB initiators [4-59](#)
- traffic routing between [5-1](#)
- VRRP [5-6](#)

---

## W

window management

- configuring in FCIP profiles [2-28](#)

WWNs

- static binding [4-10](#)

---

## Z

zones

- configuring and activating for iSLB [4-18, 4-61](#)
- iSLB [4-18, 4-61](#)

zoning based access control

- configuring for iSCSI [4-11](#)
- configuring for iSCSI/iSCSI
  - configuring zoning based access control [4-11](#)