

- A**
- allowed list, VLAN 2-28 to 2-29
 - ATM 2-5
 - firmware upgrade B-5 to B-7
 - LANE trunk connections 1-4
 - module 2-9, 2-13, 2-23
 - networks 2-5
 - trunk 2-4, 2-14
- B**
- bridge groups 3-15
 - bridge number 2-10
 - Bridge Priority parameter 2-47
 - bridge-router between VLANs A-5
 - bridging protocols A-5
 - broadcast domain 2-3
- C**
- Catalyst switch models 1-2
 - characteristics, VLAN 2-9
 - commands
 - configuration file upload/download 3-22
 - Fast EtherChannel 3-9
 - TACACS+ 3-19
 - configuration file 3-22
 - default values 1-6
 - download commands 3-22
 - download example 3-23
 - limitations 3-21
 - retrieving automatically 3-21
 - upload example 3-23
 - uploading to TFTP server 3-22
- D**
- defaults
 - Enterprise Edition software settings (table) 1-6
 - VLAN features (table) 2-4
 - deleting
 - pruning-eligible VLANs 2-31
 - VLANs, from allowed list 2-29
 - DHCP
 - DISL 1-4, 2-23
 - and bridge groups 2-23
 - port states 2-24
 - status of ports 2-25
 - displaying VLAN traffic 2-31
 - document conventions ix
 - downloading a configuration file 3-22
 - duplicate MAC address handling A-7
 - Dynamic Host Configuration Protocol, see DHCP
 - Dynamic Inter-Switch Link Protocol
 - see DISL 1-4
 - dynamic ports
 - configuring 2-43
 - on VMPS clients 2-41
- E**
- ELANs 2-5
- F**
- Fast EtherChannel 3-1
 - active link 3-5
 - addresses
 - adding 3-6
 - deleting 3-6
 - and bridge groups 3-1

- CGMP Configuration Menu 3-7
- commands 3-9
- configuring 3-6, 3-7
- default values 1-6
- DISL state 3-7
- distribution, source-based 3-4
- example 3-9
- flooding traffic 3-5
- frame order, preserving 3-4
- known unicast traffic 3-5
- Multicast Registration Menu 3-7
- packet forwarding 3-5
- PAgP 3-2
- Port Addressing Menu 3-7
- template port, using 3-3
- trunking 3-11
- verifying configuration 3-8
- Fast Ethernet
 - port 2-13
 - routers 2-5
 - switches 2-5
- FDDI firmware upgrade B-5 to B-7
- FDDI VLAN 2-10
- firmware
 - module
 - upgrade from an TFTP client B-6
 - upgrade from TFTP server B-5
 - upgrade using XMODEM protocol B-7
 - switch
 - upgrade from TFTP client B-3
 - upgrade from TFTP server B-3
 - upgrade from XMODEM Protocol B-4
- Firmware Configuration Menu B-1
- flooded traffic
 - and VTP 2-36
 - displaying 2-31
- Forward Delay parameter 2-47

H

- Hello Time parameter 2-47
- hub manager
 - online help x, xi

I

- Inter-Switch Link 2-4
- ISL trunks 1-4, 2-4, 2-13

L

- LAN emulation 1-4
- LANE ATM trunk connections 1-4
- lists, pruning-eligible VLAN 2-31
- load balancing 3-4
- load sharing 1-4
 - between redundant links 2-18
 - capability 2-4
 - default value 2-4
 - using path costs 2-18
 - using port priorities 2-15
 - using port priority 2-17

M

- MAC-level spoofing A-3
- Main Menu 1-9
- management console 1-6
- management domains, assigning 2-9
- Max Age parameter 2-47
- maximum transmission unit (MTU) 2-10
- menus
 - CGMP Configuration Menu 3-7
 - Main Menu 1-9

- Multicast Registration Menu 3-7
- Port Addressing Menu 3-7
- STP Menu 2-45
- User Interface Menu 1-8
- Virtual LAN Menu 2-7

module

- upgrade firmware from TFTP server B-5
- upgrade firmware from XMODEM Protocol B-7

P

PAgP

- channel modes 3-2
- enabling or disabling 3-4
- parameters 2-47
- password, configuring 2-35
- path cost, STP 2-18
- physical learner device 3-4
- port
 - assignment to VLAN 2-1
 - grouping 2-11, 2-12
 - priority 2-17
 - see also dynamic ports 2-17
- Port Aggregation Protocol
 - see PAgP
- pruning-eligible VLAN 2-30, 2-31
- publications, related x

R

- related publications x
- ring number 2-10

S

- security association identifier 2-10

- security, network 2-3
- software features 1-3
- source-based distribution 3-4
- Spanning-Tree Protocol
 - see STP
- static addresses A-7
- STP
 - assigning an instance 2-48
 - capability 2-4
 - configuring 2-45
 - default value 2-4
 - enabling and disabling 2-45
 - options 2-47
 - parameters 2-47
 - path costs 2-18
 - type 2-10
 - UplinkFast 3-11, 3-13, 3-14
 - verifying configuration 2-46
- switch operation
 - Main Menu 1-9
 - management console 1-6
 - User Interface Menu 1-8
- switches 1-1, 1-3

T

TACACS+ 3-16

- authentication tasks 3-16
- commands 3-19
- configuring 3-19
- default values 1-6
- example 3-20

tagging 2-5

TFTP client

- downloading module firmware B-6
- upgrade switch firmware B-3

TFTP server 3-21, 3-22

- example 3-23
- upgrade switch firmware B-3

- Token Ring VLAN 2-10
- traffic control 2-3
- translational bridge 2-10
- transport protocols 2-5
- trunk-port connections A-7
- trunks
 - ATM 2-14
 - configuring 2-27
 - connection types 2-34
 - ISL 1-4, 2-4, 2-13
 - priorities, assigning 2-16

U

- upgrading firmware
 - FDDI or ATM B-5 to B-7, ?? to B-7
 - modules B-5 to B-7, ?? to B-7, ?? to B-7
 - switch B-2 to B-4
- UplinkFast 3-11
 - configuring 3-13
 - web console parameters 3-14
- upload commands 3-22
- User Interface Menu 1-8

V

- virtual LAN
 - see VLAN
- VLAN 1-3
 - adding pruning-eligible 2-30
 - adding to allowed list 2-28
 - address learning A-3
 - address resolution example A-3
 - addressing 2-3
 - administrative action A-1
 - and ARP cache entries A-3
 - and broadcast frames A-3
 - assigning ports 2-1

- characteristics 2-9
- components 2-5
- configuration examples A-1
- configuration steps 2-6
- cut-through example A-1
- default values 1-6
- defining a, 2-10
- deleting from allowed list 2-29
- displaying 2-31
- dynamic port VLAN membership 2-39, 2-42
 - configuring 2-42
- effects of changes A-3
- FDDI 2-10
- features 2-1
 - differences from other Cisco products A-1
- interaction with bridge groups 3-15
- isolation
 - limited A-1
 - MAC-level spoofing A-3
- management domain 2-9
- mapping 2-5
- membership 1-4, 2-4
- Membership Policy Server
 - see VMPS
- parent 2-10
- port grouping defaults 2-12
- ports, assigning 2-1
- single MAC address support A-5
- Token Ring 2-10
- trunk configuration 2-23, 2-27
- trunks 1-4, 2-13, 2-17

- VLAN Trunk Protocol
 - see VTP 2-32
- VMPS 2-40
 - capability 2-4
 - configuring 2-43
 - default value 2-4
- VTP 1-4, 2-32
 - advertisements 2-34
 - capability 2-4
 - configuring 2-34

- default value 2-4
- in information propagation 2-23
- modes 2-8, 2-32 to 2-33
- password 2-35
- pruning 1-4
- VTP pruning 2-35
 - capability 2-4
 - configuring 2-35
 - default value 2-4
 - enabling 2-37

W

- web console
 - Fast EtherChannel configuration 3-10
 - UplinkFast configuration 3-14

X

- XMODEM protocol
 - upgrade switch firmware B-4

