



A

- admission control **5-1, 19-1**
- analog gateways **45-3**
- attendant console **8-1**
 - administration **8-3**
 - Cisco WebAttendant **8-1**
 - hunt groups and pilot points **8-6**
- audio quality **5-1**
- auto-registration **4-1**
 - disabling **4-6**
 - enabling **4-2**
 - reusing auto-registration numbers **4-7**

B

- bandwidth **5-1, 16-1**
 - allocation of **5-1**
 - calculations for admission control **19-4**
 - usage per call **16-1**
- batch phone operations **46-1**
- Bulk Administration Tool (BAT) **46-1**

C

- call admission control **5-1**
- calling search spaces **22-1**
 - adding **22-1**
 - copying **22-3**
 - deleting **22-4**
 - updating **22-3**
- call processing, distributed **2-1**
- Cisco Access gateways **45-3**
 - analog **45-3**
 - digital **45-4**
- Cisco CallManager **11-1**
 - adding **12-1**
 - configuring **12-1**
 - deleting **12-6**
 - groups, configuring **13-1**
 - server configuration **11-1**
 - starting and stopping **20-1**
 - updating **12-5**
- Cisco CallManager Group **3-2**
- Cisco Catalyst 6000 gateways **45-4**
 - DSP services card **45-5**
 - E1/T1 line card **45-5**
- Cisco IP Phones **46-1**

- 12 SP+, description **46-4**
- 30 VIP, description **46-4**
- 7910, description **46-4**
- 7940, description **46-3**
- 7960, description **46-3**
- adding **46-7**
- auto-registration **4-1**
- batch operations **46-1**
- configuring **46-5**
- configuring phone features **46-16**
- deleting **46-11**
- device loads for **7-6**
- directory numbers **46-18**
- finding and listing **46-15**
- MAC address, displaying **46-6**
- resetting **46-12**
- templates, phone button **47-1**
- understanding **46-2**
- updating **46-13**
- Cisco IP Phone Services **41-1**
- Cisco Messaging Interface **30-1**
 - adding service **30-5**
 - commonly changed service parameter fields **30-2**
 - configuring trace parameters **30-10**
 - deleting service **30-6**
- Cisco TAPI Service Provider **A-1**
 - activating **A-3**
 - configuring **A-4**
 - installation and configuration **A-1**
 - installing **A-1**
 - installing the wave driver **A-10, A-12**
 - setting up the client-server configuration **A-16**
 - uninstalling **A-9**
 - verifying the installation **A-14**
- Cisco Telephony Interface (CTI)
 - CTI ports **46-5**
- Cisco Telephony Interface (CTI) route point **42-1**
- Cisco uOne **43-1**
 - adding ports **43-12**
 - configuring CallManager for uOne **43-1**
 - copying ports **43-19**
 - deleting ports **43-16**
 - MWI device, configuring **43-11**
 - MWI On/Off numbers, setting **43-8**
 - port wizard **43-3**
 - resetting ports **43-17**
 - understanding **43-1**
 - updating ports **43-18**
- Cisco uOne Port wizard **43-3**
 - adding a new uOne server and ports **43-3**
 - adding ports **43-6**
 - deleting ports **43-7**
- Cisco VG200 gateway **45-6**
 - configuring FXO ports **45-38**
 - configuring FXS ports **45-35**
- closest-match routing **6-11**
- clusters **2-1**

- compared to groups **3-1**
- described **2-1**
- CMI (Cisco Messaging Interface) **30-1**
- CMLocal Date/Time Group **14-1**
- communication protocols, gateway **45-1**
- compression of data **16-1**
- configuring call park **39-1**
 - adding a number **39-2**
 - assigning directory numbers to a group **40-5**
 - configuring **40-2**
 - configuring call park number **40-2**
 - deleting a group number **40-4**
 - deleting a number **39-4**
 - updating a group number **40-3**
 - updating a number **39-3**
- configuring call pickup
 - described **40-1**
- configuring Cisco TFTP **31-1**
 - configuring command line parameters **31-5**
 - configuring trace parameters **31-9**
 - deleting command line parameters **31-7**
 - deleting service **31-4**
 - inserting service **31-2**
- configuring conference bridges **33-1**
 - adding a hardware device **33-8**
 - adding a Meet-Me number pattern **33-14**
 - adding a software device **33-6**
- Ad-Hoc **33-4**
 - deleting a conference device **33-11**
 - deleting a Meet-Me number pattern **33-17**
 - Meet-Me **33-5**
 - two types of conferences **33-3**
 - understanding conference devices **33-2**
 - updating a conference device **33-10**
 - updating a Meet-Me number pattern **33-15**
 - updating conference bridge parameters **33-12**
- configuring gateways **45-1**
- configuring media termination point **34-1**
 - adding **34-5**
 - avoiding call failure/user alert **34-4**
 - call hold **34-2**
 - call park **34-2**
 - call transfer **34-2**
 - CiscoIpVoiceMediaStreamingApp **34-1**
 - conferencing **34-2**
 - deleting **34-8**
 - IpVoiceMediaStreamer **34-1**
 - planning MTP configuration **34-3**
 - transcoders **34-1**
 - updating **34-7**
- configuring route filters **23-1**
 - adding **23-5**
 - adding clauses **23-9**
 - copying **23-7**
 - deleting **23-11**
 - removing clauses **23-10**
 - updating **23-7**
- configuring route groups **24-1**

- adding 24-2
- adding devices 24-3
- deleting 24-7
- removing devices 24-5
- understanding 24-2
- updating 24-6
- configuring route lists 25-1
 - adding 25-6
 - adding route groups 25-8
 - changing the order of route groups 25-11
 - deleting 25-12
 - removing route groups 25-10
 - understanding called party transformation settings 25-4
 - understanding calling party transformation settings 25-2
- configuring service parameters 35-1
 - adding 35-5
 - adding new service 35-3
 - deleting 35-9
 - deleting a service 35-4
 - updating 35-7
- configuring trace 36-1
 - adding a configuration 36-10
 - alarm conditions 36-2
 - components 36-7
 - deleting a configuration 36-13
 - deleting a service 36-14
 - error messages 36-2
 - event level 36-6
 - event log 36-7
 - levels 36-2
 - options 36-2
 - output debug string 36-7
 - recommended settings 36-9
 - services 36-3
 - system log 36-7
 - time 36-3
 - updating a configuration 36-12
 - user mask 36-3
- configuring transcoder 37-1
 - configuring 37-3
 - copying 37-5
 - deleting 37-6
 - MTPs 37-1
 - updating 37-4
- Control Center 38-1
 - starting and stopping services 38-2
 - using 20-2
- CTI ports 46-5
- CTI route point 42-1
 - adding 42-2
 - deleting 42-4
 - finding and listing 42-5
 - modifying 42-3
 - resetting 42-6
- custom phone button templates
 - adding 47-5
 - guidelines for creating 47-7

D

data compression **16-1**

Date/Time Group **14-1**

default settings

- for devices **15-1**

device defaults **15-1**

- updating **15-2**

device loads **7-6**

- understanding **7-6**
- updating **7-7**
- verifying **7-9**

device pool **17-1**

- adding **17-1**
- deleting **17-4**
- updating **17-3**

devices **15-1**

- Cisco uOne ports **43-1**
- defining common characteristics **17-1**
- device defaults **15-1**
- device loads **7-6**
- gatekeeper **44-1**
- gateways **45-1**
- phones **46-1**
- understanding device support **7-1**

DHCP **7-2**

- understanding **7-2**

digital gateways **45-4**

directory numbers **46-18**

adding **46-19**

auto-registration **4-1**

configuring **46-18**

deleting **46-23**

searching **45-46**

updating **46-24**

discard digits Instructions **6-12**

distributed system, configuring **2-3**

Domain Name System (DNS) **11-1**

E

E1 gateways **45-4**

enterprise parameters **18-1**

external phone number mask **4-4**

external route plan wizard **28-1**

- confirming the external route plan **28-10**

- creating an external route plan **28-2**

- deleting an external route plan **28-11**

- entering location information **28-5**

- finishing the external route plan **28-11**

- generating the external route plan **28-9**

- providing gateway information **28-8**

- providing tenant information **28-4**

- selecting gateways **28-6**

- setting the routing options **28-2**

- understanding **6-25**

F**FXO 45-38**

configuring ports on the Cisco VG200 **45-38**

Foreign Exchange Office **45-2**

FXS 45-35

configuring ports on the Cisco VG200 **45-35**

Foreign Exchange Station **45-2**

G

G.711 **16-1**

G.723 **16-1**

G.729 **16-1**

gatekeeper **44-1**

adding **44-1**

configuring **44-1**

deleting **44-6**

modifying **44-7**

restarting or resetting **44-6**

gateways **45-1**

adding **45-7**

analog ports **45-27**

digital **45-9**

H.323 **45-23**

analog **45-3**

Cisco Catalyst 6000 **45-4**

Cisco VG200 **45-6**

communication protocols **45-1**

configuring **45-35**

Cisco VG200 ports **45-35**

loop start ports **45-31**

ports **45-27**

deleting **45-42**

digital **45-4**

E1 **45-4**

finding and listing **45-44**

H.323 **45-6**

ISDN **45-10**

MGCP **45-21**

modifying **45-41**

PRI **45-10**

resetting **45-42**

searching **45-45**

station **45-3**

T1 **45-4**

trunk **45-3**

updating **45-43**

Global Directory

Advanced User Search **49-3**

Basic User Search **49-1**

Global Directory **49-1**

Lightweight Directory Access Protocol (LDAP) **49-1**

ground start, configuring ports on MGCP gateway **45-38**

group call pickup

adding a group number **40-2**

assigning directory numbers to a group **40-5**

deleting a group number **40-4**
 updating a group number **40-3**
 groups, CallManager
 adding **13-2**
 compared to clusters **3-1**
 components of **3-2**
 configuring **13-1**
 deleting **13-6**
 updating **13-4**
 groups, Date/Time **14-1**

H

H.225 **45-2**
 H.323 **45-2**
 adding gateways **45-23**
 gateway **45-6**
 H.323 clients **46-5**
 hub-and-spoke topology **5-1**
 hunt groups **8-6, 32-5**
 adding members **32-5**
 configuring **32-5**
 deleting members **32-9**
 described **8-6**
 updating **32-9**
 viewing **32-9**

I

introduction **1-1**
 IP address **11-1**
 ISDN, gateway configuration **45-10**

K

keypad templates **47-1**

L

LDAP directory **9-1**
 Cisco CallManager directory **9-1**
 using the embedded directory **9-2**
 LDAP parameters **18-1**
 Lightweight Directory Access Protocol
 (LDAP) **9-1**
 locations **19-1**
 adding **19-5**
 defined **19-1**
 deleting **19-7**
 interaction with regions **19-3**
 updating **19-7**
 used in admission control **5-1**
 loop start
 configuring gateway ports **45-31**
 configuring on MGCP gateway **45-40**

M

- MAC address **46-6**
 - phone **46-6**
 - server **11-2**
- Media Access Control (MAC) address **11-2**
 - phone **46-6**
 - server **11-2**
- messaging
 - Cisco Messaging Interface (CMI) **30-1**
 - Cisco uOne **43-1**
- MGCP **45-21**
 - adding gateways **45-21**
 - configuring ground start ports **45-38**
 - configuring loop start ports **45-40**
 - Media Gateway Control Protocol **45-2**
- MWI (message waiting indicator) **43-8**
 - MWI device for uOne **43-11**
 - MWI On/Off numbers **43-8**

N

- Network Interface Card (NIC) **11-2**

O

- overview **1-1**

P

- parameters
 - enterprise **18-1**
 - LDAP **18-1**
- partitions **21-1**
 - adding **21-1**
 - deleting **21-2**
- phone button templates **47-1**
 - 12-Series, default template **47-4**
 - 30 SP+, default template **47-3**
 - 30 VIP, default template **47-4**
 - 7910, default templates **47-3**
 - 7940, default templates **47-3**
 - 7960, default template **47-2**
 - adding **47-5**
 - deleting **47-11**
 - guidelines for creating **47-7**
 - renaming **47-10**
 - understanding **47-1**
 - updating **47-12**
- phone features **46-16**
 - call forward **46-17**
 - call park **46-17**
 - call pickup **46-18**
 - call waiting **46-17**
 - configuring **46-16**
- phones **46-1**
 - adding **46-7**

- auto-registration **4-1**
- batch operations **46-1**
- Cisco IP Phone 12 SP+ **46-4**
- Cisco IP Phone 30 VIP **46-4**
- Cisco IP Phone 7900 Family **46-2**
- Cisco IP Phone 7910 **46-4**
- Cisco IP Phone 7940 **46-3**
- Cisco IP Phone 7960 **46-3**
- Cisco IP Phone Services **41-1**
- configuring **46-5**
- deleting **46-11**
- device loads for **7-6**
- directory numbers **46-18**
- directory numbers, configuring **46-18**
- features, configuring **46-16**
- finding and listing **46-15**
- MAC address, displaying **46-6**
- phone button templates **47-1**
- resetting **46-12**
- understanding Cisco IP Phones **46-2**
- updating **46-13**
- pilot points **8-6, 32-2**
 - adding **32-2**
 - configuring **32-2**
 - deleting **32-4**
 - described **8-6**
 - updating **32-4**
 - viewing **32-4**
- plug-ins **8-10**

- Cisco WebAttendant client **8-10**
- PRI, gateway configuration **45-10**

Q

- quality of sound **5-1**

R

- redundancy **3-1**
 - configuring **3-5**
 - types of **3-1**
 - with distributed call processing **3-3**
- regions **16-1**
 - configuring **16-1**
 - interaction with locations **19-3**
 - used with admission control **19-3**
- resetting Cisco CallManager **20-1**
- restarting Cisco CallManager **20-1**
- route filters
 - understanding tags **23-2**
- Route Pattern
 - considerations for using **6-24**
 - understanding **6-24**
- route patterns **26-1**
 - adding **26-1**
 - copying **26-5**
 - deleting **26-6**
 - updating **26-4**

route pattern wildcards and special characters **6-7**

S

server configuration **11-1**

services **38-2**

Control Center **20-2, 38-2**

Telephony Call Dispatcher (TCD) **8-9**

shared line appearances **46-25**

Skinny Gateway Protocol **45-1**

sound quality **5-1**

starting and stopping **38-2**

station gateways **45-3**

T

T1 gateways **45-4**

TCD (Telephony Call Dispatcher) **8-9**

service parameters **32-18**

starting **32-20**

TFTP

understanding **7-2**

TFTP server **7-3**

accessing **7-3**

identifying **7-4**

time zones **14-1**

translation patterns **27-1**

adding **27-2**

copying **27-5**

deleting **27-6**

understanding **27-1**

updating **27-4**

trunk gateways **45-3**

U

understanding distributed call processing **2-1**

understanding route plans

route plan overview **6-1**

understanding **6-1**

Understanding Service Parameters

10-1

Cisco CallManager service parameters **10-2**

Cisco database layer service parameters **10-29**

Cisco IP voice media streaming service parameters **10-28**

Cisco messaging interface service parameters **10-22**

Cisco telephony call dispatcher service parameters **10-30**

Cisco TFTP service parameters **10-20**

uOne, Cisco **43-1**

port wizard **43-3**

user information

adding a user **48-2, 48-3**

associate devices **48-2, 48-3**

user information **48-1**

using route plan report **29-1**
viewing all records **29-2**
viewing in a file **29-3**

V

voice gateways **45-1**
voice mail **43-1**
 Cisco uOne **43-1**
voice quality **5-1**

W

WebAttendant, Cisco **8-1, 32-1**
 administration **8-3**
 client, configuring **32-14**
 client, installing **32-13**
 client installation **8-10**
 client requirements **8-10**
 configuring CallManager for **8-3**
 described **8-1**
 directory database **8-11**
 hunt groups, configuring **32-5**
 performance monitors **8-14**
 phone guidelines **8-4**
 pilot points, configuring **32-2**
 pilot points and hunt groups **8-6**
 redundancy **8-13**
 TCD service parameters **32-18**

Telephony Call Dispatcher (TCD) **8-9**
tips and troubleshooting **8-14, 8-16**
users, adding **32-10**
wausers **8-11**
wizards **43-3**
 Cisco uOne Port wizard **43-3**

