



INDEX

A

AC adapter, connecting to **3-7**
adding
Cisco Unified IP Phones manually **2-11**
audience, for this document **I-ix**

C

caller ID blocking **5-2**
call forward all **5-2**
CallManager 1-5 option **4-6, 4-7**
call waiting **5-2**
caution, cell phone interference **1-1**
CDP **1-4**
cell phone, interference **1-1**
Cisco Discovery Protocol
 See CDP
Cisco Unified Communications Manager
 adding phone to database of **2-9**
 verifying settings **7-5**
Cisco Unified Communications Manager Administration
 adding phones using **2-11**

configuring Cisco Unified SIP Phone 3911 **4-9**
Cisco Unified Communications Manager required for Cisco Unified IP Phones **3-2**
Cisco Unified IP Phone
 adding manually to Cisco Unified Communications Manager **2-11**
 adding to Cisco Unified Communications Manager **2-9**
 cleaning **7-16**
 configuration checklist **1-11**
 installation checklist **1-14**
 installation procedure **3-6**
 mounting to wall **3-9**
 registering **2-9**
 resetting **7-15**
 supported networking protocols **1-3**
 technical specifications **C-1**
 troubleshooting **7-1**
Cisco Unified SIP Phone 3911
 figure **1-2**
cleaning the Cisco Unified IP Phone **7-16**
codec
 mismatch **7-14**
conference **5-2**

configuration file
 creating **7-6**
 overview **2-6**
 XmlDefault.cnf.xml **2-6**

configuration menu
 editing options **4-1**

configuration settings, restoring **7-16**

configuring
 SIP Phone dial plan **4-9**
 startup network settings **3-11**
 user features **5-5**
 using DTMF **4-9**

connecting
 handset
 connecting **3-7**
 headset **3-7**
 to AC adapter **3-7**
 to the network **3-7**

D

Default Router 1-5 option **4-5**

DHCP
 description **1-4**
 troubleshooting **7-9**

DHCP Address Released option **4-6**

DHCP Enabled option **4-6**

directory numbers, assigning manually **2-11**

DNS server

troubleshooting **7-11**
verifying settings **7-5**

DNS Server 1-5 option **4-5**

documentation
 additional **I-xi**
 for users **A-2**

Domain Name option **4-4**

Dynamic Host Configuration Protocol
 See DHCP

Dynamic TFTP Server option **4-4**

E

editing, configuration values **4-1**

Erase Configuration option **4-6**

error messages, used for troubleshooting **7-3**

F

features
 configuring on phone, overview **1-8**
 configuring with Cisco Unified Communications Manager, overview **1-8**
 informing users about, overview **1-9**

figure
 Cisco Unified SIP Phone 3911 **1-2**
 Cisco Unified SIP Phone 3911 cable connections **3-8**

firmware, verifying version **6-2**

Firmware Versions screen **6-2**

footstand [3-8](#)

G

G.11u [1-1](#)

G.711a [1-1](#)

G.729 [1-1](#)

G.729a [1-1](#)

H

handset [3-7](#)

headset port [3-7](#)

hook switch contacts [7-15](#)

Host Name option [4-4](#)

HTTP, description [1-4](#)

I

installing

Cisco Unified Communications Manager configuration [3-2](#)

network requirements [3-2](#)

preparing [2-9](#)

procedure [3-6](#)

interference, cell phone [1-1](#)

Internet Protocol (IP) [1-5](#)

IP address, troubleshooting [7-5](#)

IP Address option [4-4](#)

K

KPML [4-9](#)

L

Locale Installer [B-1](#)

localization

Installing the Cisco Unified Communications Manager Locale Installer [B-1](#)

loopback condition [7-15](#)

M

MAC address [2-12](#)

MAC Address option [4-4](#)

N

network configuration, resetting [4-6, 7-16](#)

Network Configuration menu

CallManager 1-5 option [4-6, 4-7](#)

Default Router 1-5 option [4-5](#)

DHCP Address Released option [4-6](#)

DHCP Enabled option [4-6](#)

DNS Server 1-5 option [4-5](#)

Domain Name option [4-4](#)

Dynamic TFTP Server option [4-4](#)

Erase Configuration option [4-6](#)

Host Name option **4-4**
IP Address option **4-4**
locking options **4-2**
MAC Address option **4-4**
Subnet Mask option **4-4**
TFTP Server 1 option **4-4**
unlocking options **4-2**
network connection, moving **7-13**
network connectivity, verifying **7-4**
networking protocol
 CDP **1-4**
 DHCP **1-4**
 HTTP **1-4**
 IP **1-5**
 RTP **1-5**
 SDP **1-5**
 SIP **1-6**
 TCP **1-6**
 TFTP **1-6**
 UDP **1-6**
networking protocols, supported **1-3**
network outages, identifying **7-9**
network port
 connecting to **3-7**
network requirements, for installing **3-2**
network settings, startup configuration **3-11**
network statistics **6-1**
Network Statistics screen **6-1**

P

physical connection, verifying **7-9**
plugging in Cisco Unified IP Phone **3-6**
PoE **2-3**
power
 external **2-4**
 guidelines **2-3**
 outage **2-5**
 PoE **2-3, 2-4**
 providing to phone **2-3**
power cycle **7-7, 7-12**
power over Ethernet
 See PoE
power source
 power injector **2-4**

R

Real-Time Transport Protocol
 See RTP
redial
 description **5-3**
resetting
 Cisco Unified IP phone **7-15**
 continuously **7-8**
 intentionally **7-10**
RFC interoperability **1-1**
RTP **1-5**

S

SDP, description **1-5**

shared line **5-4**

SIP, description **1-6**

SIP Dial Rules **4-9**

speed dial lines **5-4**

SRST **4-7**

startup problems **7-1**

startup process

- accessing TFTP server **2-8**

- configuring VLAN **2-8**

- contacting Cisco Unified Communications Manager **2-9**

- loading stored phone image **2-7**

- obtaining IP address **2-8**

- obtaining power **2-7**

- requesting configuration file **2-8**

- understanding **2-7**

- verifying **3-10**

statistics, network **6-1**

Subnet Mask option **4-4**

switch

- loopback condition **7-15**

T

TCP **1-6**

technical specifications, for Cisco Unified IP Phone **C-1**

telephony features

- caller ID blocking **5-2**

- call forward all **5-2**

- call waiting **5-2**

- conference **5-2**

- redial **5-3**

- shared line **5-4**

- speed dial lines **5-4**

- transfer **5-4**

TFTP

- description **1-6**

- troubleshooting **7-4**

TFTP Server 1 option **4-4**

time, displayed on phone **3-2**

transfer **5-4**

Transmission Control Protocol

- See TCP

Trivial File Transfer Protocol

- See TFTP

troubleshooting

- Cisco Unified Communications Manager settings **7-5**

- Cisco Unified IP Phone **7-1**

- DHCP **7-9**

- DNS **7-11**

- DNS settings **7-5**

- DTMF delay **7-13**

- gaps in voice calls **7-14**

- hook switch contacts **7-15**

- IP addressing and routing **7-5**

- loopback condition [7-15](#)
 - network connectivity [7-4](#)
 - network outages [7-9](#)
 - phones resetting [7-10, 7-12, 7-13](#)
 - physical connection [7-9](#)
 - services on Cisco Unified Communications Manager [7-6](#)
 - sound sample mismatch [7-14](#)
 - TFTP settings [7-4](#)
 - VLAN configuration [7-10](#)
 - voice quality [7-12](#)
-
- W**
 - wall mounting, Cisco Unified IP Phone [3-9](#)
-
- X**
 - XmlDefault.cnf.xml [2-6](#)

U

UDP [1-6](#)

User Datagram Protocol

See UDP

users

- accessing voice messaging system [A-2](#)
 - documentation for [A-2](#)
 - providing support to [A-1](#)
 - required information [A-1](#)
-

V

verifying

- firmware version [6-2](#)
- startup process [3-10](#)

VLAN