



INDEX

A

activating services

BPS [63-1](#)

Unified CM Auto-Register Phone Tool [61-6](#)

adding lines

field descriptions for BAT spreadsheet [10-9, 43-3](#)

field descriptions for template [3-22](#)

to existing phones [10-8, 43-1](#)

to existing phones using BAT spreadsheet [10-8, 43-2](#)

to existing user device profiles [10-8, 43-1](#)

to phone template [3-4](#)

associating file format for text-based CSV file [4-5, 25-1, 37-1, 56-20](#)

auto-registration, enabled for Cisco Unified CallManager

enable auto-registration for Unified CM Auto-Register Phone Tool [61-3](#)

auto-registration options, configuring [61-8](#)

B

BAT

application overview [1-1](#)

browser requirements [1-11](#)

configuration process overview [1-3](#)

data input files [1-2](#)

error messages [64-3](#)

installation [1-2](#)

log files location [64-3](#)

online help [1-11](#)

scheduling jobs [63-1](#)

troubleshooting [64-3](#)

troubleshooting performance [64-6](#)

version [1-11](#)

BAT.xlt, see BAT spreadsheet

BAT Performance [B-1](#)

BAT spreadsheet

adding lines to existing phones [10-8, 43-2](#)

Catalyst 6000 FXS ports [48-3](#)

field descriptions

adding lines [10-9, 43-3](#)

updating users [18-2](#)

user device profile [34-4](#)

IP telephony devices [3-30](#)

manager assistant associations [28-9](#)

overview [1-8](#)

phones [3-30](#)

phones with users [24-1](#)

Unified CM Assistant custom manager assistant for proxy mode [28-11](#)

Unified CM Assistant default manager assistant [28-10](#)

user device profile [34-2](#)

users [15-2](#)

using for CSV data file [1-8](#)

VG200 gateway for T1 CAS or T1/E1 PRI [48-1](#)

VG224 gateway for FXS or VG224 gateway

creating CSV data file for FXS

creating CSV data file for VG224 gateway [48-4](#)

browser requirements [1-11](#)

Bulk Provisioning Service

activating BPS [63-1](#)

deactivating BPS [63-2](#)

C

Call Pickup Groups

- BAT considerations [52-1](#)
- BAT settings for inserting CSV file (table) [52-5](#)
- creating a CSV file (BAT.xlt) [52-2](#)
- creating custom CSV file (text-based) [A-20](#)
- CSV file settings (table) [52-4](#)
- inserting CSV file in BAT [52-4](#)
- updating existing CSV file [52-3](#)
- using query to delete call pickup groups [53-1](#)
- Catalyst 6000 FXS ports
 - creating CSV data file [48-3](#)
 - text-based CSV file, creating [A-16](#)
 - text-based CSV file format [A-17](#)
- Cisco CRS
 - configuring Unified CM Auto-Register Phone Tool [61-6](#)
 - required for Unified CM Auto-Register Phone Tool [61-2](#)
 - troubleshooting Unified CM Auto-Register Phone Tool [64-8](#)
- Cisco Customer Response Solutions, see Cisco CRS
- Cisco Unified CallManager
 - enable auto-registration for Unified CM Auto-Register Phone Tool [61-3](#)
 - inserting
 - CTI ports [6-1, 17-1, 39-1, 48-1](#)
 - H.323 clients [6-1, 17-1, 39-1, 48-1](#)
 - phones [6-1, 17-1, 39-1, 48-1](#)
 - phones with users [27-1](#)
 - Unified CM Assistant manager-assistant associations [29-1](#)
 - users [17-1](#)
 - VG200 gateway (FXS or FXO) [48-6](#)
 - VG200 gateway (T1 CAS or T1/E1 PRI) [48-6](#)
 - overview of inserting records [1-10](#)
- Cisco Unified CallManager Assistant, see Unified CM Assistant
- Cisco Unified CM Assistant Configuration Wizard [28-2](#)
- Cisco Unified IP-IVR
 - required for Unified CM Auto-Register Phone Tool [61-2](#)
- Client Matter Codes
 - BAT considerations [50-2](#)
 - BAT settings for inserting CSV file (table) [50-7](#)
 - configuration checklist (table) [50-1](#)
 - creating a CSV file (BAT.xlt) [50-3](#)
 - creating custom CSV file (text-based) [A-18](#)
 - CSV file settings (table) [50-5](#)
 - deleting code settings (BAT) [51-1](#)
 - inserting CSV file in BAT [50-6](#)
 - updating existing CSV file [50-4](#)
- CMC
 - text-based CSV file, updating [A-19](#)
- configuring Cisco Unified CallManager records, process [1-3](#)
- configuring gateway file format [46-2](#)
- copying
 - file format for text-based CSV [36-3](#)
 - file format for text-based CSV file [4-3, 46-3, 56-18](#)
 - phone template [3-8](#)
 - template [35-4](#)
 - user template [16-3](#)
- CPG
 - text-based CSV file, updating [A-22](#)
- CSV, comma separated values text file [1-2, A-1](#)
- CSV, text-based
 - Catalyst 6000 FXS ports, creating [A-16](#)
 - Catalyst 6000 FXS ports format [A-17](#)
- CMC
 - options [50-4](#)
 - updating [A-19](#)
- CPG
 - options [52-3](#)
 - updating [A-22](#)
- CTI ports format [A-3](#)
- CTI ports-users format [A-3](#)
- FAC
 - options [50-4](#)
 - updating [A-20](#)
- FXO or FXS ports format [A-14](#)
- H.323 clients format [A-3](#)

- H.323 client-users format [A-3](#)
- manager assistant associations
 - creating [A-12](#)
 - custom format [A-13](#)
- manager assistant default formats [A-12](#)
- overview [A-1](#)
- phones
 - creating [A-1](#)
 - export file, all details [A-4](#)
 - options [4-1](#)
 - tips for creating [A-2](#)
 - with users format [A-2](#)
- T1 CAS, T1/E1 PRI format [A-14](#)
- user device profile format [A-9](#)
- user device profile options [36-1](#)
- user device profiles
 - creating [A-9](#)
 - export file [A-11](#)
 - two lines format [A-10](#)
- users
 - creating [A-6](#)
 - format [A-7](#)
 - updating [A-8](#)
- VG200 gateways, creating [A-13](#)
- VG224 gateways, creating [A-15](#)
- CSV data file
 - adding new devices [1-5](#)
 - overview [1-5](#)
 - updating existing devices [1-6](#)
 - using BAT spreadsheet (BAT.xlt) [1-8](#)
- CTI ports
 - deleting [8-1, 13-1, 40-1](#)
 - dummy MAC address, using [6-2, 27-1, 39-2](#)
 - text-based CSV format [A-3](#)
- CTI ports-users
 - text-based CSV format [A-3](#)
- custom file
 - deleting phones [8-3, 40-2](#)
 - deleting Unified CM Assistant managers [31-2, 32-2](#)

- deleting users [19-2](#)
- updating phones [7-2](#)
- using [1-6](#)
- using to reset password and PIN [21-3](#)

D

- deleting
 - call pickup groups [53-1](#)
 - file format for text-based CSV file [4-5, 36-4, 46-4](#)
 - manager-assistant associations [30-1](#)
 - phones using custom files [8-3, 40-2](#)
 - phones using query [8-1, 13-1](#)
 - phone template [3-9](#)
 - remote destination file format for text-based CSV file [56-19](#)
 - Remote Destination Profiles using query [56-21](#)
 - template [35-5](#)
 - Unified CM Assistant assistants [32-1](#)
 - Unified CM Assistant managers [31-1](#)
 - user device profiles [40-1](#)
 - users [19-1](#)
 - user template [16-3](#)
 - VG200 gateway [47-1](#)
- dialed number analyzer
 - trace configuration files [64-1](#)
- directory number
 - finding secure directory numbers from Unified CM Auto-Register Phone Tool [61-9](#)
 - lifting restrictions [61-10](#)
 - restricting from Unified CM Auto-Register Phone Tool [61-10](#)
 - securing from Unified CM Auto-Register Phone Tool [61-9](#)
- downloading phone configuration using Unified CM Auto-Register Phone Tool [62-3](#)
- dummy MAC address [3-32, 6-2, 27-1, 39-2](#)
 - generate a list [12-5](#)

E

E1 PRI

- creating CSV file for VG200 gateway [48-1](#)
- field descriptions for VG200 gateway template [45-22](#)
- text-based CSV file format [A-14](#)

E1 PRI ports [45-8](#)error messages, BAT [64-3](#)exported fields [56-24](#)

- all phone details [9-2](#)
- all user device profile details [41-1](#)
- default phone details [9-2](#)
- default user device profile details [41-2](#)

exporting

fields

- all phone details [9-2](#)
- all user device profile details [41-1](#)
- default phone details [9-2](#)
- Default Remote Destination Profile file format details [56-24](#)
- default user device profile details [41-2](#)

line appearance [23-1](#)moving records from one Cisco Unified CallManager to another [9-1](#)phone records options [9-1](#)phones with more than one user [9-5](#)remote destination profile records options [56-22](#)steps for exporting phone records [9-3](#)user device profile options [41-3](#)user device profile records format [41-1](#)user records format [20-1](#)user records options [20-1](#)using export files [1-6](#)adding or updating lines [3-22](#)

BAT spreadsheet

- adding lines [10-9, 43-3](#)
- updating users [18-2](#)
- user device profile [34-4](#)

phone template [3-9](#)updating lines [10-3, 42-3](#)updating users with BAT spreadsheet [18-2](#)user device profile template [35-2](#)user template [16-4](#)VG200 gateway - T1/E1 PRI template [45-22](#)VG200 gateway - T1 CAS template [45-19](#)

file format for gateway

finding [46-1](#)

file format for text-based CSV file

- associating [4-5, 25-1, 37-1, 56-20](#)
- copying [4-3, 36-3, 46-3, 56-18](#)
- creating phone [4-2, 46-2](#)
- creating remote destination profile [56-17](#)
- creating user device profile [36-2](#)
- deleting [4-5, 36-4, 46-4](#)
- finding [4-2, 36-1, 56-16](#)
- modifying [4-4, 36-4, 46-3](#)
- overview [1-7](#)

file format for text-based CSV file gateway

associating [46-5](#)

finding

- file [2-1](#)
- gateway file format [46-1](#)
- gateway templates [45-3](#)
- gateway file format [46-1](#)
- jobs [63-3](#)
- phone file format [4-2](#)
- phone template [3-2](#)
- remote destination file format [56-16](#)
- secure directory numbers from Unified CM Auto-Register Phone Tool [61-9](#)
- UDP file format for text-based CSV [36-1](#)
- UDP template [35-1](#)

F

FAC

- text-based CSV file, updating [A-20](#)

field descriptions

user template [16-1](#)

Forced Authorization Codes

BAT considerations [50-2](#)

BAT settings for inserting CSV file (table) [50-7](#)

configuration checklist (table) [50-1](#)

creating a CSV file (BAT.xlt) [50-3](#)

creating custom CSV file (text-based) [A-18](#)

CSV file settings (table) [50-5](#)

deleting code settings (BAT) [51-1](#)

inserting CSV file in BAT [50-6](#)

updating existing CSV file [50-4](#)

FXO

inserting VG200 gateway to Cisco Unified CallManager [48-6](#)

text-based CSV file format for VG200 gateway [A-14](#)

FXO ports [45-7](#)

FXS

Catalyst 6000 ports

creating CSV data file [48-3](#)

text-based CSV format [A-17](#)

creating template for Catalyst 6000 ports [45-8](#)

VG200 gateways

inserting to Cisco Unified CallManager [48-6](#)

text-based CSV file format [A-14](#)

G

gateway

associating file format for text-based CSV file [46-5](#)

gateway file format

configuring [46-2](#)

finding [46-1](#)

gateway template

adding or editing [45-4](#)

Catalyst 6000 FXS ports

creating template [45-8](#)

configuration settings [45-11](#)

finding [45-3](#)

port configuration settings (table) [45-35](#)

POTS port configuration settings (table) [45-36](#)

VG200 gateway template

creating template [45-4, 45-9](#)

FXO ports, adding [45-7](#)

T1-CAS ports, adding [45-8](#)

T1 PRI or E1 PRI ports, adding [45-8](#)

H

H.323 clients

deleting [8-1, 13-1, 40-1](#)

text-based CSV format [A-3](#)

H.323 client-users

text-based CSV format [A-3](#)

help, online [1-11](#)

I

inserting records to Cisco Unified CallManager, overview [1-10](#)

installing

Unified CM Auto-Register Phone Tooloverview [61-5](#)

Unified CM Auto-Register Phone Tool prerequisites [61-5](#)

instructions, Unified CM Auto-Register Phone Tool for end-users [62-3](#)

IP telephony devices

supported with BAT [16-1](#)

IP telephony devices, see phones

J

jobs

activating BPS [63-1](#)

deactivating BPS [63-2](#)

finding [63-3](#)

scheduling [63-4](#)

viewing log files [63-6](#)

L

language prompts for Unified CM Auto-Register Phone Tool [61-4](#)

line appearance

export [23-1](#)

update [23-3](#)

lines

adding or updating on template [3-4](#)

field descriptions in template for adding or updating [3-22](#)

master phone template [1-5](#)

maximum number [3-5](#)

updating to user device profiles [42-1](#)

log files

BAT [64-3](#)

file naming convention [64-3](#)

report log files [12-6, 22-2, 33-2, 49-2](#)

viewing job log files [63-6](#)

M

master phone template [1-5](#)

MGCP

T1-CAS ports [45-8](#)

T1 PRI or E1 PRI ports, adding [45-8](#)

modifying

file format for text-based CSV [36-4](#)

file format for text-based CSV file [4-4, 46-3](#)

phone template [3-7](#)

remote destination file format for text-based CSV file [56-18](#)

user template [16-3](#)

N

NM-1V [45-12](#)

NM-2V [45-12](#)

NM-HDV [45-12](#)

O

overriding template values [1-5](#)

overview

BAT application [1-1](#)

BAT spreadsheet [1-8](#)

Cisco Unified CM Assistant [28-1](#)

CSV data file [1-5](#)

data input files [1-2](#)

file formats for text-based CSV files [1-7](#)

inserting records to Cisco Unified CallManager [1-10](#)

installation [1-2](#)

reports [12-1, 22-1, 44-1](#)

templates [1-4](#)

text-based CSV files [A-1](#)

Unified CM Auto-Register Phone Tool tool [61-1](#)

user device profiles [34-1](#)

users [15-1](#)

validating [1-10](#)

P

passwords

resetting [21-1](#)

phones

adding

IP services [3-5](#)

lines [3-4](#)

lines to existing [10-8, 43-1](#)

speed dial settings [3-6, 3-7](#)

with users [24-1](#)

configuring CAPF [3-44, 16-6](#)

creating text-based CSV file [A-1](#)

deleting [8-1, 13-1, 40-1](#)

dummy MAC address, using [3-32, 6-2, 27-1, 39-2](#)

dummy MAC addresses list [12-5](#)

export file with all details [A-4](#)

exporting records options [9-1](#)

exporting records steps [9-3](#)

- generating reports [12-1](#)
- insert to Cisco Unified CallManager [6-1, 17-1, 39-1, 48-1](#)
- proxy mode for Unified CM Assistant [28-2](#)
- reloading configurations [61-3](#)
- report options [12-3](#)
- template
 - copying [3-8](#)
 - creating new [3-4](#)
 - deleting [3-9](#)
 - field descriptions [3-9](#)
 - finding template [3-2](#)
 - for IP telephony devices [3-4](#)
 - modifying [3-7](#)
- Unified CM Assistant assistant [28-5](#)
- Unified CM Assistant manager configuration [28-4](#)
- updating [7-1, 18-1, 19-1](#)
- updating with custom file [7-2](#)
- updating with query [7-1](#)
- using Unified CM Auto-Register Phone Tool to configure [61-3](#)
 - enable auto-registration [61-3](#)
- validating records [5-1, 38-1](#)

phones with users

- inserting to Cisco Unified CallManager [27-1](#)
- text-based CSV format [A-2](#)
- using BAT spreadsheet [24-1](#)
- validating records [26-1](#)

PINs

- resetting [21-1](#)

prerequisites

- Unified CM Auto-Register Phone Tool [61-5](#)

Q

query

- customizing a filter [1-6](#)
- deleting call pickup groups [53-1](#)
- deleting phones [8-1, 13-1](#)

- deleting Remote Destination Profiles [56-21](#)
- deleting Unified CM Assistant managers [31-1, 32-1](#)
- deleting users [19-1](#)
- updating lines [42-1](#)
- updating phones [7-1](#)
- using to reset password and PIN [21-1](#)

R

remote destination file format for text-based CSV file

- deleting [56-19](#)
- modifying [56-18](#)

remote destination profile

- exporting records options [56-22](#)

Remote Destination Profile template [56-1](#)

reports

- dummy MAC addresses [12-5](#)
- overview [12-1, 22-1, 44-1](#)
- phone options [12-3](#)
- phones [12-1](#)
- Unified CM Assistant manager assistant [33-1](#)
- user device profile [44-1](#)
- users [22-1](#)
- VG200 gateway [49-1](#)

resetting password and PIN

- using custom file [21-3](#)
- using query [21-1](#)

resetting phones

- after update [11-1](#)
- using custom file [11-2](#)
- using query [11-1](#)

restarting phones

- after update [11-1](#)
- using custom file [11-2](#)
- using query [11-1](#)

retaining user records when updating [18-1](#)

S

securing directory numbers from Unified CM
Auto-Register Phone Tool [61-4](#), [61-9](#)

services, adding or updating [3-5](#)

speed dial settings, adding or updating [3-6](#), [3-7](#)

sub-unit [45-5](#), [45-10](#)

T

T1 CAS

creating CSV data file for VG200 gateway [48-1](#)

field descriptions for VG200 template [45-19](#)

text-based CSV file format [A-14](#)

T1-CAS ports, adding [45-8](#)

T1 PRI

creating CSV file for VG200 gateway [48-1](#)

field descriptions for VG200 gateway template [45-22](#)

text-based CSV file format [A-14](#)

T1 PRI ports [45-8](#)

templates

adding or updating IP services [3-5](#)

adding or updating lines [3-4](#)

adding or updating speed dial settings [3-6](#), [3-7](#)

BAT template overview [1-4](#)

copying [35-4](#)

copying phone [3-8](#)

copying users [16-3](#)

deleting [35-5](#)

deleting phone [3-9](#)

deleting users [16-3](#)

field descriptions

adding or updating lines [3-22](#)

phone [3-9](#)

user device profiles [35-2](#)

users [16-4](#)

VG200 gateway - T1 CAS gateway [45-19](#)

finding [35-1](#)

master phone [1-5](#)

modifying [35-4](#)

modifying phone [3-7](#)

modifying users [16-3](#)

overriding values [1-5](#)

template type

Catalyst 6000 FXS ports [45-8](#)

IP telephony devices [3-4](#)

phones [3-4](#)

Unified CM Assistant assistant for proxy mode [28-3](#)

Unified CM Assistant manager for proxy mode [28-3](#)

user device profiles [35-2](#)

users [16-2](#)

VG200 gateway template [45-4](#), [45-9](#)

trace configuration files

viewing [64-1](#)

troubleshooting

BAT [64-3](#)

BAT log files [64-3](#)

BAT performance [64-6](#)

Unified CM Auto-Register Phone Tool [64-7](#)

troubleshooting message

BAT.xlt spreadsheet does not work with Excel XP
(Office XP) [64-6](#)

BAT excel sheet does not respond to actions [64-4](#)

BAT menu does not display in Cisco Unified
CallManager [64-3](#)

BAT spreadsheet gives a compilation error while
exporting data [64-4](#)

cannot access complete BAT functionality [64-3](#)

CSV data files do not match phone template/sample
file [64-4](#)

export to BAT does not work in BAT.xlt file [64-4](#)

job does not display in find and list job window [64-5](#)

jobs remain in hold state [64-5](#)

jobs remain in pending state [64-5](#)

MAC address values are not allowed in CSV file if
dummy MAC address option selected [64-6](#)

port number not configured in template [64-6](#)

uploaded csv file does not display [64-5](#)

when Cisco CRS starts, JTAPI shows partial service or out of service [64-8](#)

when dialing Unified CM Auto-Register Phone Tool number, caller hears busy [64-8](#)

U

UDP, see user device profiles

Unified CM Assistant

assistant template for proxy mode [28-3](#)

creating CSV data file [28-9](#)

deleting assistants

described [32-1](#)

using custom file [32-2](#)

deleting manager-assistant associations [30-1](#)

deleting managers

described [31-1](#)

using custom file [31-2](#)

using query [31-1, 32-1](#)

generating reports [33-1](#)

inserting manager-assistant associations [29-1](#)

manager and assistant line configurations, proxy mode [28-3](#)

manager and assistant shared line configurations [28-8](#)

manager template for proxy mode [28-3](#)

overview [28-1](#)

phones

assistant configuration options [28-5](#)

manager configuration options [28-4](#)

proxy line example [28-5](#)

proxy lines on existing [28-6](#)

proxy lines on new [28-6](#)

proxy mode [28-2](#)

shared line example [28-8](#)

shared line mode [28-7](#)

setting up phones and lines [28-1](#)

text-based CSV file, creating [A-12](#)

text-based CSV file custom format [A-13](#)

Unified CM Assistant Configuration Wizard [28-2](#)

Unified CM Auto-Register Phone Tool

activating Unified CM Auto-Register Phone Tool service [61-6](#)

Cisco CRS required [61-2](#)

Cisco Unified IP-IVR required [61-2](#)

configuring auto-registration options [61-8](#)

configuring on Cisco CRS server [61-6](#)

finding secure directory numbers [61-9](#)

installation overview [61-5](#)

instructions for end-users [62-3](#)

language prompts [61-4](#)

removing [62-2](#)

lifting restriction on directory numbers [61-10](#)

log files location [64-7](#)

overview [61-1](#)

reloading configurations [61-3](#)

requirements [61-2](#)

restarting service [61-7](#)

restricting directory numbers [61-10](#)

securing directory numbers [61-4, 61-9](#)

setting options for using [61-8](#)

starting service [61-7](#)

stopping service [61-7](#)

troubleshooting [64-7](#)

uninstalling [61-6](#)

uninstalling

Unified CM Auto-Register Phone Tool [61-6](#)

update

line appearance [23-3](#)

updating

lines to user device profiles [42-1](#)

phone configuration using Unified CM Auto-Register Phone Tool [62-3](#)

updating lines

field descriptions [10-3, 42-3](#)

uploading/downloading file

delete [2-3](#)

download [2-2](#)

finding [2-1](#)

- upload [2-3](#)
 - user device profiles
 - adding lines to existing [10-8, 43-1](#)
 - BAT spreadsheet
 - field descriptions [34-4](#)
 - using [34-2](#)
 - creating CSV data file [34-2](#)
 - deleting [40-1](#)
 - export file format [41-1](#)
 - export file with all details [A-11](#)
 - exporting record options [41-3](#)
 - overview [34-1](#)
 - removing [40-1](#)
 - reports, generating [44-1](#)
 - steps for adding [34-1](#)
 - template
 - copying [35-4](#)
 - creating [35-2](#)
 - deleting [35-5](#)
 - finding [35-1](#)
 - modifying [35-4](#)
 - text-based CSV file, creating [A-9](#)
 - text-based CSV file format [A-9](#)
 - updating lines [42-1](#)
 - validating records [38-1](#)
 - users
 - adding overview [15-1](#)
 - adding with phones [24-1](#)
 - creating CSV data file [15-2](#)
 - deleting [19-1](#)
 - using custom file [19-2](#)
 - using query [19-1](#)
 - exported records format [20-1](#)
 - exporting records [20-1](#)
 - field descriptions for updating with BAT spreadsheet [18-2](#)
 - generating reports [22-1](#)
 - inserting to Cisco Unified CallManager [17-1](#)
 - resetting passwords and PINs [21-1](#)
 - retaining stored values [18-1](#)
 - template
 - copying [16-3](#)
 - creating new [16-2](#)
 - deleting [16-3](#)
 - field descriptions [16-4](#)
 - finding [16-1](#)
 - for users [16-2](#)
 - modifying [16-3](#)
 - text-based CSV file, creating [A-6](#)
 - text-based CSV file, updating [A-8](#)
 - text-based CSV format [A-7](#)
 - updating [18-1](#)
 - updating users field descriptions [18-2](#)
 - users with phones
 - inserting to Cisco Unified CallManager [27-1](#)
 - using BAT spreadsheet [24-1](#)
 - validating records [26-1](#)
-
- ## V
- validating
 - options [1-10](#)
 - overview [1-10](#)
 - phone and user records [26-1](#)
 - phone records [5-1, 38-1](#)
 - user device profile records [38-1](#)
 - version, finding [1-11](#)
 - VG200 gateway
 - creating CSV data file for T1 CAS or T1/E1 PRI [48-1](#)
 - creating template [45-4, 45-9](#)
 - creating text-based CSV file [A-13](#)
 - deleting gateway [47-1](#)
 - field descriptions
 - T1/E1 PRI template [45-22](#)
 - T1 CAS template [45-19](#)
 - generating reports [49-1](#)
 - inserting to Cisco Unified CallManager (FXS or FXO) [48-6](#)

- inserting to Cisco Unified CallManager (T1 CAS or T1/E1 PRI) [48-6](#)
- VG200 gateway template
 - FXO ports, adding [45-7](#)
- VG224 gateway
 - creating text-based CSV file [A-15](#)
- VIC-2FXO [45-5](#)
- VIC-2FXS [45-5, 45-10](#)
- viewing trace configuration files [64-1](#)
- VWIC-1MFT-E1 [45-5](#)
- VWIC-1MFT-T1 [45-5](#)
- VWIC-2MFT-E1 [45-5](#)
- VWIC-2MFT-T1 [45-5](#)

