



## INDEX

---

### A

- activating services
  - BPS [66-1](#)
  - TAPS [64-6](#)
- adding intercom templates
  - field descriptions [3-44](#)
- adding lines
  - field descriptions for BAT spreadsheet [10-9, 43-3](#)
  - field descriptions for template [3-29](#)
  - to existing phones [10-7, 43-1](#)
  - to existing phones using BAT spreadsheet [10-8, 43-2](#)
  - to existing user device profiles [10-7, 43-1](#)
  - to phone template [3-4](#)
- associating file format for text-based CSV file [4-5, 25-1, 37-1, 58-20](#)
- auto-registration, enabled for Cisco Unified CallManager
  - enable auto-registration for TAPS [64-2](#)
- auto-registration options, configuring [64-7](#)

---

### B

- BAT
  - application overview [1-1](#)
  - browser requirements [1-11](#)
  - configuration process overview [1-3](#)
  - data input files [1-2](#)
  - error messages [66-3](#)
  - installation [1-2](#)
  - log files location [66-3](#)
  - online help [1-11](#)
  - scheduling jobs [66-1](#)
  - troubleshooting [66-3](#)
  - troubleshooting performance [66-6](#)
  - version [1-12](#)
- BAT.xlt, see BAT spreadsheet
- BAT Performance [B-1](#)
- BAT spreadsheet
  - adding lines to existing phones [10-8, 43-2](#)
  - Catalyst 6000 FXS ports [49-3](#)
  - field descriptions
    - adding lines [10-9, 43-3](#)
    - updating users [18-2](#)
    - user device profile [34-4](#)
  - IP telephony devices [3-46](#)
  - manager assistant associations [28-9](#)
  - overview [1-8](#)
  - phones [3-46](#)
  - 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 [49-1](#)
  - VG224 gateway for FXS or VG224 gateway
    - creating CSV data file for FXS
      - creating CSV data file for VG224 gateway [49-4](#)
- browser requirements [1-11](#)
- Bulk Provisioning Service
  - activating BPS [66-1](#)
  - deactivating BPS [66-2](#)

**C**

## Call Pickup Groups

- BAT considerations [53-1](#)
- BAT settings for inserting CSV file (table) [53-5](#)
- creating a CSV file (BAT.xlt) [53-2](#)
- creating custom CSV file (text-based) [A-20](#)
- CSV file settings (table) [53-4](#)
- inserting CSV file in BAT [53-4](#)
- updating existing CSV file [53-3](#)
- using query to delete call pickup groups [54-1](#)

## Catalyst 6000 FXS ports

- creating CSV data file [49-3](#)
- text-based CSV file, creating [A-16](#)
- text-based CSV file format [A-17](#)

## Cisco CRS

- configuring TAPS [64-5](#)
- required for TAPS [64-2](#)
- troubleshooting Unified CM Auto-Register Phone Tool [66-8](#)

## Cisco Customer Response Solutions, see Cisco CRS

## Cisco Unified CallManager

- enable auto-registration for TAPS [64-2](#)
- inserting
  - CTI ports [6-1, 17-1, 39-1, 49-1](#)
  - H.323 clients [6-1, 17-1, 39-1, 49-1](#)
  - phones [6-1, 17-1, 39-1, 49-1](#)
  - phones with users [27-1](#)
  - Unified CM Assistant manager-assistant associations [29-1](#)
  - users [17-1](#)
  - VG200 gateway (FXS or FXO) [49-6](#)
  - VG200 gateway (T1 CAS or T1/E1 PRI) [49-6](#)
- 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 TAPS [64-2](#)

## Client Matter Codes

- BAT considerations [51-2](#)
- BAT settings for inserting CSV file (table) [51-7](#)
- configuration checklist (table) [51-1](#)
- creating a CSV file (BAT.xlt) [51-3](#)
- creating custom CSV file (text-based) [A-18](#)
- CSV file settings (table) [51-5](#)
- deleting code settings (BAT) [52-1](#)
- inserting CSV file in BAT [51-6](#)
- updating existing CSV file [51-4](#)

## CMC

- text-based CSV file, updating [A-19](#)
- configuring Cisco Unified CallManager records, process [1-3](#)
- configuring gateway file format [47-2](#)
- copying
  - file format for text-based CSV [36-3](#)
  - file format for text-based CSV file [4-3, 47-3, 58-18](#)
  - phone template [3-9](#)
  - 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 [51-4](#)
- updating [A-19](#)

## CPG

- options [53-3](#)
- updating [A-22](#)

CTI ports format [A-3](#)CTI ports-users format [A-3](#)

## FAC

- options [51-4](#)
- 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

- delete
  - time of day access [57-2](#)
- deleting
  - call pickup groups [54-1](#)
  - file format for text-based CSV file [4-5, 36-4, 47-4](#)
  - manager-assistant associations [30-1](#)
  - phones using custom files [8-3, 40-2](#)
  - phones using query [8-1, 13-1](#)
  - phone template [3-10](#)
  - remote destination file format for text-based CSV file [58-19](#)
  - Remote Destination Profiles using query [58-21](#)
  - 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 [48-1](#)
- dialed number analyzer
  - trace configuration files [66-1](#)
- directory number
  - finding secure directory numbers from TAPS [64-8](#)
  - lifting restrictions [64-9](#)
  - restricting from TAPS [64-9](#)
  - securing from TAPS [64-8](#)
- downloading phone configuration using Unified TAPS [65-2](#)
- dummy MAC address [3-48, 6-2, 27-1, 39-2](#)
  - generate a list [12-5](#)

**E****E1 PRI**

- creating CSV file for VG200 gateway [49-1](#)
- field descriptions for VG200 gateway template [46-22](#)
- text-based CSV file format [A-14](#)

**E1 PRI ports** [46-8](#)**error messages, BAT** [66-3](#)**export**

- time of day access [57-3](#)

**exported fields** [58-24](#)

- 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 [58-24](#)
- default user device profile details [41-2](#)

**line appearance** [23-2](#)**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** [58-22](#)**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](#)**text-based CSV file, updating** [A-20](#)**field descriptions****adding or updating intercom template** [3-44](#)**adding or updating lines** [3-29](#)**BAT spreadsheet****adding lines** [10-9, 43-3](#)**updating users** [18-2](#)**user device profile** [34-4](#)**phone template** [3-10](#)**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** [46-22](#)**VG200 gateway - T1 CAS template** [46-19](#)**file format for gateway****finding** [47-1](#)**file format for text-based CSV file****associating** [4-5, 25-1, 37-1, 58-20](#)**copying** [4-3, 36-3, 47-3, 58-18](#)**creating phone** [4-2, 47-2](#)**creating remote destination profile** [58-17](#)**creating user device profile** [36-2](#)**deleting** [4-5, 36-4, 47-4](#)**finding** [4-2, 36-1, 58-16](#)**modifying** [4-4, 36-4, 47-3](#)**overview** [1-7](#)**file format for text-based CSV file gateway****associating** [47-5](#)**finding****file** [2-1](#)**gateway file format** [47-1](#)**gateway templates** [46-3](#)**gateway file format** [47-1](#)**jobs** [66-3](#)**line appearances** [23-1](#)**phone file format** [4-2](#)**phone template** [3-2](#)**remote destination file format** [58-16](#)**F****FAC**

secure directory numbers from TAPS [64-8](#)

UDP file format for text-based CSV [36-1](#)

UDP template [35-1](#)

user template [16-1](#)

#### Forced Authorization Codes

BAT considerations [51-2](#)

BAT settings for inserting CSV file (table) [51-7](#)

configuration checklist (table) [51-1](#)

creating a CSV file (BAT.xlt) [51-3](#)

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

CSV file settings (table) [51-5](#)

deleting code settings (BAT) [52-1](#)

inserting CSV file in BAT [51-6](#)

updating existing CSV file [51-4](#)

#### FXO

inserting VG200 gateway to Cisco Unified CallManager [49-6](#)

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

#### FXO ports [46-7](#)

#### FXS

Catalyst 6000 ports

creating CSV data file [49-3](#)

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

creating template for Catalyst 6000 ports [46-8](#)

VG200 gateways

inserting to Cisco Unified CallManager [49-6](#)

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

## G

#### gateway

associating file format for text-based CSV file [47-5](#)

#### gateway file format

configuring [47-2](#)

finding [47-1](#)

#### gateway template

adding or editing [46-4](#)

Catalyst 6000 FXS ports

creating template [46-8](#)

configuration settings [46-11](#)

finding [46-3](#)

port configuration settings (table) [46-35](#)

POTS port configuration settings (table) [46-36](#)

VG200 gateway template

creating template [46-4, 46-9](#)

FXO ports, adding [46-7](#)

T1-CAS ports, adding [46-8](#)

T1 PRI or E1 PRI ports, adding [46-8](#)

## 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

#### import/export

validate [62-1](#)

#### insert

time of day access [57-1](#)

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

#### installing

TAPS overview [64-4](#)

TAPS prerequisites [64-4](#)

instructions, TAPS for end-users [65-2](#)

#### Intercom DNs

Add [45-2](#)

#### Intercom Templates

adding or updating on template [3-7](#)

#### IP telephony devices

supported with BAT [16-1](#)

IP telephony devices, see phones

**J**

## jobs

- activating BPS [66-1](#)
- deactivating BPS [66-2](#)
- finding [66-3](#)
- scheduling [66-4](#)
- viewing log files [66-6](#)

**L**

language prompts for TAPS [64-4](#)

## line appearance

- export [23-2](#)
- update [23-3](#)

## line appearances

- find [23-1](#)

## lineappearances

- view [23-1](#)

## lines

- adding or updating on template [3-4](#)
- field descriptions in template for adding or updating [3-29, 3-44](#)
- master phone template [1-5](#)
- maximum number [3-5, 3-8](#)
- updating to user device profiles [42-1](#)

## log files

- BAT [66-3](#)
- file naming convention [66-3](#)
- report log files [12-6, 22-2, 33-2, 50-2](#)
- viewing job log files [66-6](#)

**M**

master phone template [1-5](#)

## MGCP

- T1-CAS ports [46-8](#)
- T1 PRI or E1 PRI ports, adding [46-8](#)

## modifying

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

file format for text-based CSV file [4-4, 47-3](#)

phone template [3-8](#)

remote destination file format for text-based CSV file [58-19](#)

user template [16-3](#)

**N**

NM-1V [46-12](#)

NM-2V [46-12](#)

NM-HDV [46-12](#)

**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](#)
- TAPS [64-1](#)
- templates [1-4](#)
- text-based CSV files [A-1](#)
- user device profiles [34-1](#)
- users [15-1](#)
- validating [1-10](#)

**P**

## passwords

- resetting [21-1](#)

## phones

- adding

- Intercom template [3-7](#)
- IP services [3-5](#)
- lines [3-4](#)
- lines to existing [10-7, 43-1](#)
- speed dial settings [3-6, 3-7](#)
- with users [24-1](#)
- configuring CAPF [3-68, 16-6](#)
- creating text-based CSV file [A-1](#)
- deleting [8-1, 13-1, 40-1](#)
- dummy MAC address, using [3-48, 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, 49-1](#)
- proxy mode for Unified CM Assistant [28-2](#)
- reloading configurations [64-3](#)
- report options [12-3](#)
- template
  - copying [3-9](#)
  - creating new [3-4](#)
  - deleting [3-10](#)
  - field descriptions [3-10](#)
  - finding template [3-2](#)
  - for IP telephony devices [3-4](#)
  - modifying [3-8](#)
- 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 TAPS to configure [64-2](#)
  - enable auto-registration [64-2](#)
- 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

- TAPS [64-4](#)

---

## Q

query

- customizing a filter [1-6](#)

- deleting call pickup groups [54-1](#)

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

- deleting Remote Destination Profiles [58-21](#)

- 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 [58-19](#)

- modifying [58-19](#)

remote destination profile

- exporting records options [58-22](#)

Remote Destination Profile template [58-1](#)

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 [50-1](#)

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 [18-2](#)

---

## S

securing directory numbers from TAPS [64-3, 64-8](#)

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

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

sub-unit [46-5, 46-10](#)

---

## T

### T1 CAS

- creating CSV data file for VG200 gateway [49-1](#)
- field descriptions for VG200 template [46-19](#)
- text-based CSV file format [A-14](#)

T1-CAS ports, adding [46-8](#)

### T1 PRI

- creating CSV file for VG200 gateway [49-1](#)
- field descriptions for VG200 gateway template [46-22](#)
- text-based CSV file format [A-14](#)

T1 PRI ports [46-8](#)

### TAPS

- activating TAPS service [64-6](#)
- Cisco CRS required [64-2](#)
- Cisco Unified IP-IVR required [64-2](#)
- configuring auto-registration options [64-7](#)
- configuring on Cisco CRS server [64-5](#)
- finding secure directory numbers [64-8](#)

- installation overview [64-4](#)
- instructions for end-users [65-2](#)
- language prompts [64-4](#)
  - removing [65-2](#)
- lifting restriction on directory numbers [64-9](#)
- log files location [66-7](#)
- overview [64-1](#)
- reloading configurations [64-3](#)
- requirements [64-1](#)
- restarting service [64-6](#)
- restricting directory numbers [64-9](#)
- securing directory numbers [64-3, 64-8](#)
- setting options for using [64-7](#)
- starting service [64-6](#)
- stopping service [64-6](#)
- troubleshooting [66-7](#)
- uninstalling [64-5](#)

### templates

- adding or updating intercom templates [3-7](#)
- 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 [3-9](#)
- copying users [16-3](#)
- deleting [35-5](#)
- deleting phone [3-10](#)
- deleting users [16-3](#)
- field descriptions
  - adding or updating intercom templates [3-44](#)
  - adding or updating lines [3-29](#)
  - phone [3-10](#)
  - user device profiles [35-2](#)
  - users [16-4](#)
  - VG200 gateway - T1 CAS gateway [46-19](#)
- finding [35-1](#)
- master phone [1-5](#)
- modifying [35-4](#)

- modifying phone [3-8](#)
  - modifying users [16-3](#)
  - overriding values [1-5](#)
  - template type
    - Catalyst 6000 FXS ports [46-8](#)
    - 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 [46-4, 46-9](#)
  - time of day access [57-1](#)
    - delete [57-2](#)
    - export [57-3](#)
    - insert [57-1](#)
  - trace configuration files
    - viewing [66-1](#)
  - troubleshooting
    - BAT [66-3](#)
    - BAT log files [66-3](#)
    - BAT performance [66-6](#)
    - TAPS [66-7](#)
  - troubleshooting message
    - BAT.xlt spreadsheet does not work with Excel XP (Office XP) [66-6](#)
    - BAT excel sheet does not respond to actions [66-4](#)
    - BAT menu does not display in Cisco Unified CallManager [66-3](#)
    - BAT spreadsheet gives a compilation error while exporting data [66-4](#)
    - cannot access complete BAT functionality [66-3](#)
    - CSV data files do not match phone template/sample file [66-4](#)
    - export to BAT does not work in BAT.xlt file [66-4](#)
    - job does not display in find and list job window [66-5](#)
    - jobs remain in hold state [66-5](#)
    - jobs remain in pending state [66-5](#)
    - MAC address values are not allowed in CSV file if dummy MAC address option selected [66-6](#)
    - port number not configured in template [66-6](#)
    - uploaded csv file does not display [66-5](#)
    - when Cisco CRS starts, JTAPI shows partial service or out of service [66-8](#)
    - when dialing Unified CM Auto-Register Phone Tool number, caller hears busy [66-8](#)
- 
- ## 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](#)
- uninstalling
  - TAPS [64-5](#)
- update
  - line appearance [23-3](#)
- updating
  - lines to user device profiles [42-1](#)
  - phone configuration using TAPS [65-2](#)
- 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 [10-7, 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 [18-2](#)
  - 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**

- validate
  - import/export [62-1](#)
- validate import file [62-1](#)

## 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 [1-12](#)

## VG200 gateway

- creating CSV data file for T1 CAS or T1/E1 PRI [49-1](#)
- creating template [46-4, 46-9](#)
- creating text-based CSV file [A-13](#)
- deleting gateway [48-1](#)
- field descriptions
  - T1/E1 PRI template [46-22](#)
  - T1 CAS template [46-19](#)
- generating reports [50-1](#)
- inserting to Cisco Unified CallManager (FXS or FXO) [49-6](#)
- inserting to Cisco Unified CallManager (T1 CAS or T1/E1 PRI) [49-6](#)

## VG200 gateway template

- FXO ports, adding [46-7](#)

## VG224 gateway

- creating text-based CSV file [A-15](#)

VIC-2FXO [46-5](#)VIC-2FXS [46-5, 46-10](#)

## viewing

- line appearances [23-1](#)

viewing trace configuration files [66-1](#)VWIC-1MFT-E1 [46-5](#)VWIC-1MFT-T1 [46-5](#)VWIC-2MFT-E1 [46-5](#)VWIC-2MFT-T1 [46-5](#)

