



---

## A

AA prompt

configuring [A-11](#)

creating automated attendant [4-10](#)

AA Route Address, field description [A-33](#)

accessing

administrator interface [4-4](#)

user interface [5-2](#)

adding

Personal Assistant to existing partitions [1-33](#)

Personal Assistant to new partitions [1-36](#)

Add Rule section (Dial Rules), field description [A-17](#)

Add Rule section (Directory Lookup Rules), field description [A-19](#)

Add Server button [A-15](#)

administrator interface, logging into [4-4](#)

Allow Barge-In, field description [A-4](#)

Alternate Spoken Name, field description [A-21](#)

assigning

calling search space [3-4](#)

phones to partition [3-4](#)

audience, for this document [x](#)

automated attendant

configuring [A-11](#)

[automated attendant \(continued\)](#)

configuring CTI route point [3-11](#)

creating [4-10](#)

explanation [1-3](#)

---

## B

Barge-In

configuring [4-7](#)

purpose of [4-7](#)

busy tone, when calling Personal Assistant [6-6](#)

---

## C

calendar, rules not working [6-8](#)

calendar-based routing, configuring [4-11](#)

Calendar Mailbox Name, field description [A-13](#)

Calendar Server Name, field description [A-12](#)

call

dropping, resolving [6-4](#)

history logs [6-15](#)

intercepting, configuration [3-5](#)

problems with interception [6-11](#)

takes too long to answer [6-6](#)

transferred to voice mail too quickly [6-3](#)

- call forward busy
  - configuring for CTI route point [3-12](#)
  - disabling for media ports [3-14](#)
  - load balancing's affect on users [1-25](#)
  - use in load balancing [1-24](#)
- call forward no answer
  - configuring for CTI route point [3-12](#)
  - disabling for media ports [3-14](#)
  - load balancing's affect on users [1-25](#)
  - use in load balancing [1-24](#)
- calling search space
  - adding Personal Assistant to existing [1-33](#)
  - adding Personal Assistant to new [1-36](#)
  - assigning [3-4](#)
  - creating [3-3](#)
  - creating for Personal Assistant [3-6](#)
  - managed phone partition [1-38](#)
  - sample configuration without Personal Assistant [1-31](#)
  - sample configuration with Personal Assistant [1-33](#)
  - understanding [1-6](#)
- call intercepting
  - software requirements [1-10](#)
  - understanding [1-30](#)
- Call Pickup Timeout, field description [A-26](#)
- call routing
  - calendar-based rules not working [6-8](#)
  - load balancing's effect on [1-26](#)
- CDP support, in Personal Assistant [6-19](#)
- changing partitions [3-10](#)
- Cisco CallManager
  - configuring for Personal Assistant [3-1](#)
  - configuring Unity [3-15](#)
  - configuring user [3-12](#)
  - CTI route points and media ports [1-5](#)
  - database locations, required for installation [2-5](#)
  - enabling Personal Assistant to intercept calls from [1-30](#)
  - load balancing [1-24](#)
  - multiple clusters [1-29](#)
  - partitions and calling search spaces [1-6](#)
  - required version [1-10](#)
  - understanding load balancing [1-23](#)
- Cisco CallManager clusters
  - effect on rule-based routing [1-7](#)
  - understanding [1-6](#)
  - using with Personal Assistant [1-7](#)
- Cisco IP terminology, understanding [1-4](#)
- CiscoWorks2000, integrating with [6-19](#)
- CiscoWorks2000 Host Name, field description [A-27](#)
- cluster
  - configuring Personal Assistant servers [4-20](#)
  - creating [1-18](#)
  - creating with active failover [1-27](#)
  - creating with failover [1-26](#)
  - creating with spare failover [1-28](#)
  - interaction between servers [1-16](#)

**cluster (continued)**

- multiple Cisco CallManager [1-29](#)
- collecting trace and debug information [6-17](#)
- concurrent calls
  - estimated support per server [1-20](#)
  - estimated support per server (example) [1-22](#)
  - supporting [1-19](#)
- configuring
  - automated attendant [4-10](#)
  - corporate directory [4-18](#)
  - corporate directory settings [A-22](#)
  - CTI route point [3-11](#)
  - dial rules [A-16](#)
  - directory hierarchies [4-17](#)
  - directory lookup rules [A-18](#)
  - JTAPI user [3-12](#)
  - load balancing [1-24](#)
  - messaging [4-11](#)
  - messaging settings [A-12](#)
  - overview [4-1](#)
  - Personal Assistant [4-1](#)
  - Personal Assistant servers [4-20](#)
  - phone route plan [3-2](#)
  - server settings [A-31](#)
  - speech recognition [4-5](#)
  - speech recognition settings [A-2](#)
  - telephony [4-8](#)
  - telephony settings [A-8](#)
  - voice mail [4-11](#)
- control center icons [6-10](#)
- Control Center page [A-28](#)
- controlling
  - servers [6-10](#)
  - server status [A-28](#)
- corporate directory
  - configuration settings [A-22](#)
  - configuring [4-18](#)
  - understanding [1-7](#)
- CPU, 100% usage [6-11](#)
- creating
  - automated attendant [4-10](#)
  - calling search space [3-3](#)
  - directory lookup rules [4-15](#)
  - global dial rules [4-13](#)
  - partition [3-2](#)
  - Personal Assistant calling search space [3-6](#)
  - Personal Assistant interceptor ports [3-7](#)
  - Personal Assistant partitions [3-5](#)
  - server clusters [1-18](#)
  - server clusters with active failover [1-27](#)
  - server clusters with failover [1-26](#)
  - server clusters with spare failover [1-28](#)
- CTI route point
  - configuring [3-11](#)
  - understanding [1-5](#)

---

**D**

debug, setting [6-17](#)

Debug Package List, field description [A-36](#)

Delete Users, field description [A-25](#)

deleting users [5-3](#)

department hierarchy [4-17](#)

DHCP, use with Personal Assistant [6-11](#)

dialing Personal Assistant [5-2](#)

dialog, definition [1-11](#)

dial rules

- configuration settings [A-16](#)
- creating global [4-13](#)
- not working properly [6-4](#)

directory

- configuring corporate [4-18](#)
- corporate settings [A-22](#)
- hierarchies [4-17](#)
- hierarchy configuration [A-20](#)
- lookup rules [4-15](#)
- lookup rule settings [A-18](#)

Directory Admin DN, field description [A-23](#)

Directory Admin Password, field description [A-23](#)

Directory Hierarchy page [A-20](#)

Directory Lookup Rules page [A-18](#)

Directory Search Base DN for Users, field description [A-23](#)

Directory Search Filter, field description [A-23](#)

Directory Server URL, field description [A-23](#)

DNS, affect on Personal Assistant [6-6](#)

domain account, used for installation [2-5](#)

DTMF Redirection Sequence (External), field description [A-15](#)

DTMF Redirection Sequence (Internal), field description [A-15](#)

DTMF Sequence, field description [A-21](#)

---

**E**

email paging server [A-12](#)

estimating

- simultaneous session support [1-20](#)
- simultaneous session support (example) [1-22](#)
- usage [1-19](#)

---

**F**

failover

- configuring [4-20](#)
- understanding [1-26](#)

Fail-over Servers, field description [A-36](#)

features, of Personal Assistant [1-2](#)

Follow-Me call transferring, explanation [1-3](#)

---

**G**

grammar, definition [1-11](#)

**H**

hardware prerequisites, for installation [2-2](#)

help

obtaining [5-3](#)

user [5-3](#)

hierarchy, directory [4-17](#)

Hierarchy Type, field description [A-20](#)

Host name or IP Address, field  
description [A-32](#)

**I**

icons

control center [6-10](#)

server status [A-37](#)

identifying toll fraud [6-15](#)

improving speech recognition [4-17](#)

installation

Cisco CallManager database locations [2-5](#)

hardware and software prerequisites [2-2](#)

overview [2-2](#)

Personal Assistant components [2-5](#)

procedure [2-4](#)

upgrade procedure [2-6](#)

using a domain account [2-5](#)

integrating

with CiscoWorks2000 [6-19](#)

with network management systems [6-19](#)

interaction between servers [1-16](#)

intercepting calls

configuration [3-5](#)

explanation [1-30](#)

software required [1-10](#)

Interceptor Port Provider, field  
description [A-34](#)

Interceptor Port Range, field description [A-35](#)

interceptor ports

assigning to JTAPI user [6-6](#)

creating Personal Assistant [3-7](#)

understanding [1-4](#)

IP address, using with Personal Assistant [6-6](#)

**J**

JTAPI

adding a user [3-12](#)

configuring [4-8](#)

configuring settings [A-8](#)

**L**

LDAP directory

requirements [1-10](#)

understanding usage [1-7](#)

LDAP Search Filter, field description [A-21](#)

License Code, field description [A-3](#)

license manager

not recognized [6-10](#)

**license manager (continued)**

- overview [1-15](#)
- starting and stopping [6-16](#)
- List of Nodes in Hierarchy, field description [A-22](#)
- List of Rules section (Dial Rules), field description [A-17](#)
- List of Rules section (Directory Lookup Rules), field description [A-19](#)
- List of Voicemail Servers, field description [A-15](#)
- load balancing
  - configuring [1-24](#)
  - effect on call routing [1-26](#)
  - effect on users [1-25](#)
  - understanding [1-23](#)
- location hierarchy [4-17](#)
- log, call history [6-15](#)
- login [4-4](#)
- lookup rules, directory [4-15](#)

---

**M**

- Mailbox Name, field description [A-13](#)
- managing users [5-3](#)
- Max Disambiguate, field description [A-4](#)
- Max Error Count, field description [A-6](#)
- Max Help Count, field description [A-6](#)
- Max License Capacity, field description [A-3](#)
- Max Total Error Count, field description [A-6](#)

- Max Total Help Count, field description [A-6](#)
- Media Port Begin Address, field description [A-33](#)
- Media Port Provider, field description [A-33](#)
- media ports
  - adding for Personal Assistant [3-13](#)
  - understanding [1-5](#)
- Media Termination UDP Port Begin, field description [A-32](#)
- message waiting indicator [6-7](#)
- messaging, configuring [4-11](#)
- messaging configuration settings [A-12](#)
- Microsoft Exchange, requirements [1-10](#)
- minimal configuration [4-1](#)
- Miscellaneous Settings [A-26](#)
- monitoring
  - performance [6-12](#)
  - server status [6-10, 6-12](#)
  - subsystem status [6-20](#)

---

**N**

- Name, field description [A-20](#)
- network management systems, integrating with [6-19](#)
- nodes, directory [A-20](#)
- Number of Buffered Trace Lines, field description [A-27](#)
- Number of Telephony Ports, field description [A-34](#)

Number of Unity Licenses, field  
description [A-14](#)

---

## O

operator, excessive transferals [6-3](#)  
Operator Extension, field description [A-26](#)  
overview  
    configuration [4-1](#)  
    installation [2-2](#)

---

## P

PADtmf, definition [6-18](#)  
paging, configuring [4-11](#)  
paging server [A-12](#)  
Paging SMTP Domain Name, field  
    description [A-13](#)  
Paging SMTP Server, field description [A-13](#)  
Paging SMTP Server Port, field  
    description [A-13](#)  
partition  
    assigning [3-4](#)  
    creating [3-2](#)  
    creating for Personal Assistant [1-33, 1-36, 3-5](#)  
    creating for Personal Assistant managed  
        phones [1-38](#)  
    sample configuration with Personal  
        Assistant [1-33](#)  
    understanding [1-6](#)  
    updating [3-10](#)  
PARULES, definition [6-18](#)  
PASCCP, definition [6-18](#)  
PASpeech, definition [6-18](#)  
PASRV, definition [6-18](#)  
Peer Keep-Alive Interval, field  
    description [A-26](#)  
Peer TCP Port, field description [A-27](#)  
Perfmon, definition [6-18](#)  
Performance Monitor [6-12](#)  
Personal Assistant  
    call history logs [6-15](#)  
    configuration overview [4-1](#)  
    configuration settings reference [A-1](#)  
    configuring [4-1](#)  
    configuring Cisco CallManager user [3-12](#)  
    dialing [5-2](#)  
    features [1-2](#)  
    installation procedure [2-4](#)  
    logging into and out of [4-4](#)  
    multiple Cisco CallManager clusters [1-29](#)  
    partition and calling search space use [1-33,](#)  
        [1-36, 1-38](#)  
    planning [1-1](#)  
    resolving problems using [6-1](#)  
    role in Cisco IP telephony network [1-8](#)  
    server status [6-12](#)  
    setting up to intercept calls [3-5](#)  
    troubleshooting [6-1](#)  
    understanding [1-2](#)  
    understanding access to [1-12](#)

**Personal Assistant (continued)**

- understanding user interactions [1-11](#)
- Unity configuration in Cisco CallManager [3-15](#)
- upgrade procedure [2-6](#)
- Personal Assistant components, installing [2-5](#)
- Personal Assistant number, configuring [3-11](#)
- Personal Assistant server
  - components of [1-13](#)
  - configuring [4-20](#)
  - creating clusters [1-18](#)
  - creating clusters with failover [1-26](#)
  - determining number required [1-19](#)
  - estimated simultaneous sessions [1-20](#)
  - estimated simultaneous sessions (example) [1-22](#)
  - load balancing [1-24](#)
  - load balancing's effect on call routing [1-26](#)
  - load balancing's effect on users [1-25](#)
  - starting and stopping [6-16](#)
  - structure [1-16](#)
  - understanding [1-14](#)
  - understanding load balancing [1-23](#)
- Personal Assistant Server Control, field description [A-28](#)
- Personal Assistant Speech Server, field description [A-30](#)
- personal calendar, requirements [1-10](#)
- phone
  - changing partition [3-10](#)
  - configuring [3-4](#)

**phone (continued)**

- setting up route plan [3-2](#)
- Pilot Number, field description [A-14](#)
- PIN resetting [5-3](#)
- planning, Personal Assistant [1-1](#)
- preparing users [5-1](#)
- Primary Spoken Response, field description [A-20](#)
- processor, 100% usage [6-11](#)
- product key, used in installation [2-4](#)
- prompt, configuring AA [4-10](#)
- Prompt File Name, field description [A-11](#)

---

**R**

- Reconfirm Confidence Level, field description [A-5](#)
- Redirection Delay, field description [A-14](#)
- Refresh User Information, field description [A-3](#)
- Rejection Confidence Level, field description [A-5](#)
- Reset Pin, field description [A-25](#)
- Reset Spoken Name, field description [A-25](#)
- resetting
  - PIN [5-3](#)
  - spoken name [5-3](#)
- resolving, dropped calls [6-4](#)
- resolving problems, using Personal Assistant [6-1](#)
- resource manager, overview [1-15](#)

Route Address, field description [A-33](#)

Route Address Provider, field description [A-32](#)

route plan, setting up [3-2](#)

route point

- interceptor port [1-4](#)
- using as interceptor port [3-7](#)

rule-based call routing

- explanation [1-2](#)
- using Personal Assistant without [1-40](#)
- using with Cisco CallManager clusters [1-7](#)

rules

- creating global dial [4-13](#)
- dial rule settings [A-16](#)
- directory lookup [4-15](#)
- directory lookup settings [A-18](#)

## S

server

- configuration settings [A-31](#)
- monitoring [6-10](#)

server cluster

- creating [1-18](#)
- creating with active failover [1-27](#)
- creating with failover [1-26](#)
- creating with spare failover [1-28](#)

Server List, field description [A-31](#)

Server Name, field description [A-32](#)

Server Status page [A-37](#)

session, definition [1-11](#)

setting up phone route plans [3-2](#)

Skippy

- configuring provider [4-8](#)
- configuring settings [A-8](#)

SMTP paging server

- configuring [A-12](#)
- requirements [1-10](#)

software prerequisites, for installation [2-2](#)

speech commands

- too many options [6-3](#)
- unable to use [6-2](#)

speech-enabled conferencing, explanation [1-3](#)

speech-enabled directory dialing, explanation [1-3](#)

speech-enabled voice mail browsing, explanation [1-3](#)

Speech License Manager, field description [A-29](#)

speech recognition

- configuration settings [A-2](#)
- configuring [4-5](#)
- directory hierarchies [4-17](#)

Speech Recognition License Manager Hosts, field description [A-7](#)

speech-recognition server

- configuring [4-5](#)
- creating clusters [1-18](#)
- determining number required [1-19](#)
- estimated simultaneous sessions [1-20](#)

**speech-recognition server (continued)**

- estimated simultaneous sessions (example) [1-22](#)
  - not recognized [6-10](#)
  - starting and stopping [6-16](#)
  - structure [1-16](#)
  - understanding [1-14](#)
  - using Personal Assistant without [1-40](#)
- Speech Recognition Server Hosts, field description [A-7](#)
- Speech Services page [A-2](#)
- spoken name, resetting [5-3](#)
- SS\_PA, definition [6-18](#)
- SS\_PA\_MAIL, definition [6-18](#)
- SS\_PA\_TEL, definition [6-18](#)
- starting, servers and managers [6-16](#)
- stopping, servers and managers [6-16](#)
- Synchronize with Unity Spoken Name, field description [A-16](#)
- Syslog Collector
- call history [6-15](#)
  - collecting system logs with [6-21](#)

**T**

- technical difficulties, troubleshooting [6-5](#)
- telephony
  - configuring [4-8](#)
  - configuring Cisco CallManager user [3-12](#)
- text-to-speech, troubleshooting [6-9](#)
- toll fraud, identifying [6-15](#)
- trace, setting [6-17](#)
- Trace Package List, field description [A-36](#)
- translation pattern
  - interceptor port [1-4](#)
  - using with interceptor port [3-7](#)
- troubleshooting
  - 100% CPU [6-11](#)
  - busy tone [6-6](#)
  - calendar-based rules not working [6-8](#)
  - calls not intercepted [6-11](#)
  - calls transferred to voice mail too quickly [6-3](#)
  - connectivity to server [6-10](#)
  - dial rules not working as expected [6-4](#)
  - dropped calls [6-4](#)
  - fine tuning speech recognition [4-5](#)
  - message waiting indicator [6-7](#)
  - operator, excessive transfers [6-3](#)
  - Personal Assistant [6-1](#)
  - speech commands, too many options [6-3](#)
  - starting and stopping servers [6-16](#)
  - takes too long to answer call [6-6](#)
  - technical difficulties [6-5](#)
  - text-to-speech [6-9](#)
  - voice mail, cannot access [6-7](#)
  - voice mail, cannot log into [6-8](#)
  - voice mail, unable to browse [6-7](#)

## U

- understanding
  - access to Personal Assistant [1-12](#)
  - CDP support [6-19](#)
  - Cisco CallManager clusters [1-6](#)
  - Cisco IP terminology [1-4](#)
  - directory usage [1-7](#)
  - incoming call handling [1-12](#)
  - interceptor ports [1-4](#)
  - load balancing [1-23](#)
  - partition and calling search space use [1-33](#), [1-36](#)
  - partition for managed phones [1-38](#)
  - partitions and calling search spaces [1-6](#)
  - Personal Assistant [1-2](#)
  - Personal Assistant and user interactions [1-11](#)
- Unique User Attribute Name, field description [A-23](#)
- Unity
  - configuring Cisco CallManager [3-15](#)
- updating partitions [3-10](#)
- upgrade procedure [2-6](#)
- Upload button, field description [A-12](#)
- usage
  - estimated simultaneous session support [1-20](#)
  - estimated simultaneous session support (example) [1-22](#)
  - estimating [1-19](#)
- user
  - deleting [5-3](#)
  - how administrative changes affect [5-4](#)
  - managing [5-3](#)
  - obtaining help [5-3](#)
  - preparing [5-1](#)
- User ID, field description [A-24](#)
- user interface
  - accessing [5-2](#)
  - problems accessing [6-2](#)
- user name, for logging in [4-4](#)
- User Settings Administration page [A-24](#)
- utterance, definition [1-11](#)

## V

- voice mail
  - cannot log in [6-8](#)
  - configuring [4-11](#)
  - configuring settings [A-2](#)
  - requirements [1-10](#)
  - unable to browse [6-7](#)
  - users cannot access [6-7](#)
- VoiceMail Server Name, field description [A-14](#)

## W

- WAN, cluster relationship to [1-29](#)
- web administration, logging into [4-4](#)

Windows 2000

installing Personal Assistant in domains [2-2](#),  
[2-5](#)

user name, for logging in [4-4](#)

Write to Syslog, field description [A-27](#)