



System Configuration Overview

For best results when configuring a complete Cisco IP telephony system, start with the system-level components and work toward the individual devices. For example, you have to configure the appropriate device pools, route patterns, and calling search spaces before you can use those components to configure phones and lines.

This chapter presents an overall flow, or order, for configuring the components of your Cisco IP telephony network. It covers the following topics:

- [Basic Configuration Flow, page 3-1](#)
- [Where to Find More Information, page 3-4](#)

Basic Configuration Flow

[Table 3-1](#) lists the general steps involved in configuring a complete IP telephony system. If you are not using a particular feature or component, you can skip that step. You have some flexibility in the order for performing these configuration steps, and in some cases you might have to alternate between steps or return to a given step several times to complete your configuration.

Table 3-1 Configuration Overview Checklist

Configuration Steps		Procedures and related topics
Step 1	Install the Cisco CallManager software on your servers, and configure the servers as needed for TFTP, database publisher, and database subscriber services.	<i>Installing Cisco CallManager Release 3.1</i> Server Configuration, Cisco CallManager Administration Guide.
Step 2	Configure system-level settings: <ul style="list-style-type: none"> • Cisco CallManager groups • Date/time groups • Regions • Device pools • Device defaults • Enterprise parameters • Locations 	System-Level Configuration Settings, page 4-1
Step 3	Design and configure your dialing plan: <ul style="list-style-type: none"> • Partitions • Calling search spaces • Route filters • Route groups • Route lists • Route patterns • Translation patterns 	Partitions and Calling Search Spaces, page 12-1 Understanding Route Plans, page 13-1.

Table 3-1 Configuration Overview Checklist (continued)

Configuration Steps	Procedures and related topics
Step 4 Configure media resources: <ul style="list-style-type: none"> • Conference bridges • Transcoders • Media termination points • Music on hold • Media resource groups • Media resource group lists 	Media Resource Management, page 16-1 Media Resource Group Configuration, Cisco CallManager Administration Guide.
Step 5 Install and configure one of the following voice messaging systems: <ul style="list-style-type: none"> • External (non-Cisco) voice messaging system • Cisco Unity voice messaging system • Cisco uOne voice messaging system 	SMDI Voice Mail Integration, page 22-1 Cisco uOne Voice Messaging Integration, page 24-1
Step 6 Configure system-wide features: <ul style="list-style-type: none"> • Call park • Call pickup and group call pickup • Cisco IP phone services • Extension mobility • Cisco WebAttendant • Custom phone rings 	Call Park, page 26-1 Call Pickup and Group Call Pickup, page 27-1 Cisco IP Phone Services, page 28-1 Extension Mobility and Phone Login Features, page 29-1 Understanding Cisco WebAttendant, page 30-1 Custom Phone Rings
Step 7 Install and configure the gateways.	Understanding Voice Gateways
Step 8 Configure and install the phones; then, associate users with the phones.	Cisco IP Phones, page 33-1 Managing User Directory Information, page 15-1
Step 9 Enable computer telephony integration (CTI) application support; then, install and configure the desired CTI applications.	Computer Telephony Integration, page 34-1

Where to Find More Information

Related Topics

- See [Table 3-1](#).

Additional Cisco Documentation

- *Installing Cisco CallManager Release 3.1*
- *Cisco CallManager Administration Guide*