Cisco Unified Communications Express - QCT Worksheets

First Published: September 19, 2006

Before using Cisco Unified Communications Express - QCT to configure a Typical (recommended) installation of an IP telephony system, use these tables to gather required site-specific information for the Cisco router to be configured.

Note All parameters to be configured for a Custom installation are described in the configuration tasks in the *Cisco Unified Communications Express - Quick Configuration Tool Users Guide* at http://www.cisco.com/en/US/products/sw/voicesw/ps4625/products_documentation_roadmap09186a0 080189132.html.

Contents

Note The tables in this worksheet are organized by configuration task.

Configuring Basic Set Up

Table 1   General Router Parameters to Be Configured

Field Name	Description	Value
Router Login	Login ID for the Cisco router to be configured.	
Router Password	Password for logging in to the Cisco router to be configured.	

Configuring Network

If you are configuring a PBX system and you want to configure DID phone numbers:

Table 2   DID Telephone Number Parameters to Be Configured

Field Name	Description	Value
First Phone Number	First number in pool of DID numbers to be configured. Starting with this number, Cisco Unified Communications Express - QCT automatically configures the remaining extension numbers in a contiguous manner.	
How many numbers are needed?	Corresponds to the number of FXO *ports* installed in the Cisco router to be configured.	

If you are configuring a Square Mode (keysystem), you must configure at least one CO Trunk number. Maximum number of CO trunk numbers is limited to the number of FXO ports to be configured.

Table 3   CO Trunk Number Parameters to Be Configured

Field Name	Description	Value
First CO Trunk Phone Number	Telephone number for the Analog Trunk (FXO). Must be at least 7 characters long and can include numbers 0 to 9 and hyphens (-).	
CO Trunk Phone Number	Telephone number for the Analog Trunk (FXO). Number must be at least 7 characters long and can include numbers 0 to 9 and hyphens (-).	

Configuring Internet Connection

If the Cisco router to be configured will access the network:

Table 4   Internet Connection Type Parameters to Be Configured

Field Name	Description	Value
Internet Interface	From the drop-down menu, choose the port for connecting to the internet.	—
Internet Connection Type	From the drop-down menu, choose the type of internet connection to be configured.	—
PPPoE		
User Name	Name to be used as authentication credential for PPPoE (Point to Point Protocol over Ethernet.	
Password	Password for this user name.	
Static IP		
Internet IP Address	IP address and subnet mask of the network to which the Cisco router to be configured is connected.	
Subnet Mask		
Default gateway	IP address of the internal network interface.	

Configuring SIP Trunk

If the Cisco router to be configured will connect to a SIP trunk service provider for PSTN access:

Table 5   SIP Trunk Parameters to Be Configured

Field Name	Description	Value
SIP Trunk Provider	From the drop-down menu, choose the SIP trunk provider.	—
SIP Proxy/AS	IP address of SIP trunk provider.	

Configuring System / Voicemail

Table 6   General Phone System Parameters to Be Configured

Field Name	Description	Value
Number of Phones to Deploy	Number of IP phones to be connected to the Cisco router to be configured. Maximum number is platform and version dependent.	
Extension Digit Length	Maximum length of extension numbers. Range: 2 to 6.	

If you want to configure Cisco Unity Express:

Table 7   Voicemail Parameters to Be Configured

Field Name	Description	Value
Feature License	Number voice-mail ports to be configured. Maximum number is license dependent.	
Auto Attendant Pilot Number	Extension number to be accessed for general company AA functions. Typically, this is the main phone extension number for your office.	
Voicemail Access Number	Extension number to be accessed for welcome greeting. This is the extension number for a fully-automated front end for incoming calls.	
Timeout	Number of seconds before voice mail is accessed for unanswered incoming calls. Directs calls to voice mail after the specified time has elapsed.	
Message Waiting Indicator "On" number	Extension number to be configured for Message Waiting Indicator (MWI) on.	
Message Waiting Indicator "Off" number	Extension number to be configured for Message Waiting Indicator (MWI) off	

Table 8   International and Domestic Dial Plan Parameters to Be Configured

Field Name	Description	Value
Digits for Placing Long Distance Call	Numeric string that phone user must press after the outgoing call dialtone digit (if required) for placing outbound calls to phones outside of the local calling area. String is 1 to 7 characters long and can include numbers 0 to 9. Default: 1 (for calling within USA only).	
Digits for Placing International Call	Numeric string that must press after the outgoing call dialtone digit (if required) for placing outbound calls to phones in one or more countries other than the one where the phones are installed. String is 1 to 7 characters long and can include numbers 0 to 9. Default: 011 (For calling outside USA only).	

Configuring Phones / Users

For a complete list of required parameters for each IP phone to be configured: In the folder on your PC in which Cisco Unified Communications Express - QCT is installed, open batch\qct-bat.cvs.

Note   While using Cisco Unified Communications Express - QCT, you can manually configure the IP phones to be connected to the Cisco router or you can upload a BAT file containing all required phone parameters. If you choose to manually configure the IP phones, you can use a bar-code scanner to enter IP phone MAC address and phone types. Cisco has tested a scanner Flic™.

Uploading or Saving the Configuration

If you want to use an FTP utility to upload a configuration template to Cisco Unified Communications Express - QCT:

Table 9   Uploading /Saving Configuration Parameters to Be Configured

Field Name	Description	Value
Router Address	IP address of the FTP server on which the template file is stored.	
User Name	User name for the FTP server.	
User Password	Login password for the FTP server.	

Additional References

Related Documents.

Related Topic	Document Title
Cisco Unified Communications Express - Quick Configuration Tool	Cisco Unified Communications Express - Quick Reference Guide Users Guide at http://www.cisco.com/en/US/products/sw/voicesw/ps4625/products_documentation_roadmap09186a0080189132.html.

Standards

Standard	Title
No new or modified standards are supported by this feature, and support for existing standards has not been modified by this feature.	—

MIBs

MIB	MIBs Link
No new or modified MIBs are supported by this feature, and support for existing MIBs has not been modified by this feature.	To locate and download MIBs for selected platforms, Cisco IOS releases, and feature sets, use Cisco MIB Locator found at the following URL: http://www.cisco.com/go/mibs

RFCs

RFC	Title
No new or modified RFCs are supported by this feature, and support for existing RFCs has not been modified by this feature.	—

Technical Assistance

Description	Link
The Cisco Technical Support & Documentation website contains thousands of pages of searchable technical content, including links to products, technologies, solutions, technical tips, and tools. Registered Cisco.com users can log in from this page to access even more content.	http://www.cisco.com/techsupport