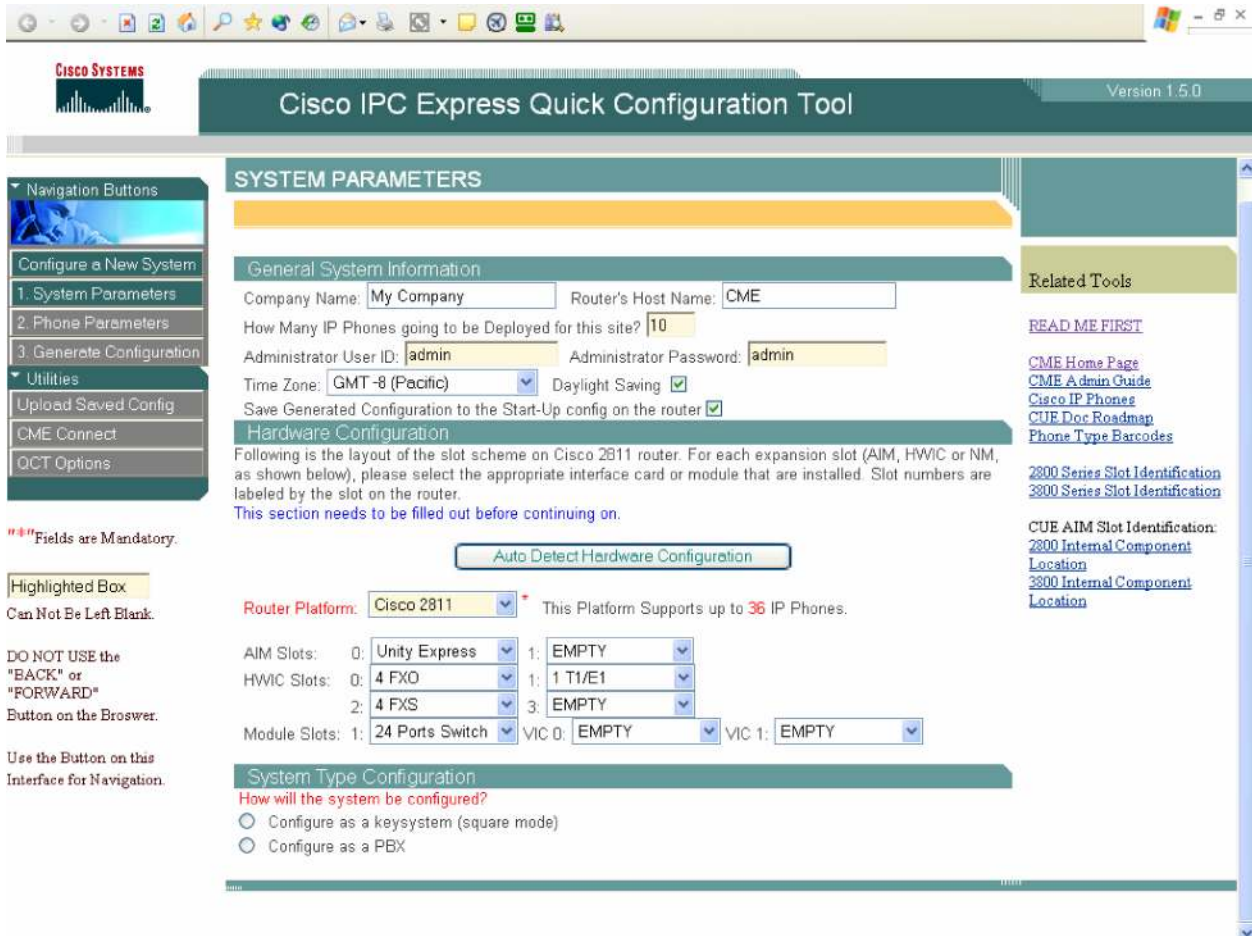


# CISCO IP COMMUNICATIONS EXPRESS QUICK CONFIGURATION TOOL

The Cisco® IP Communications Express Quick Configuration Tool (QCT) is a management application that greatly simplifies the configuration and installation of Cisco CallManager Express and Cisco Unity® Express. The QCT application, as an HTML-based Java Script program, runs on the user's workstation using Microsoft Internet Explorer. Cisco Systems® offers the QCT application to partners for free download on Cisco.com.

Using the QCT application, a Cisco reseller partner or system administrator can dramatically reduce the time required to configure an IP telephony solution based on Cisco CallManager Express and Cisco Unity Express, as compared to manually performing the configuration of Cisco IOS® Software, Cisco CallManager Express, and Cisco Unity Express subsystems using their respective command-line interfaces (CLIs). An IP telephony configuration based on Cisco CallManager Express and Cisco Unity Express for an SMB with 50 phones or fewer can easily be completed in less than one hour using the QCT application.

Figure 1. Cisco IPCE-QCT Sample GUI Interface



The QCT application, through its user-friendly GUI interface, prompts the user for the common parameters needed to configure the Cisco Integrated Services router to support a complete IP telephony solution. It gives the user the choice of configuring Cisco CallManager Express in either a private-branch-exchange (PBX) mode with direct-inward-dial extensions, or a key system square mode. QCT supports the following telephony configuration parameters:

- Basic network configuration—Network Time Protocol (NTP) configuration, Trivial File Transfer Protocol (TFTP), and Dynamic Host Configuration Protocol (DHCP) options
- Basic telephony features—User names, extensions, IP phone types and MAC addresses, public-switched-telephone-network (PSTN) parameters, basic voicemail, and dial peers for 911 and 9+ calls
- Advanced telephony features—Paging, intercom, call park, hunt group, and calling line identification (caller ID) blocking

QCT also supports auto-discovery of the hardware setup of the Cisco router, so the user can deploy an IP telephony configuration to a Cisco router without having detailed knowledge of the modules installed in the router.

Table 1 list shows the primary features and benefits of using the Quick Configuration Tool.

**Table 1.** Features and Benefits of QCT

Feature	Benefits
<b>User-Friendly GUI for Input of IP Telephony System Parameters</b>	Users can configure an IP telephony system without having detailed knowledge of Cisco IOS Software, Cisco CallManager Express, or Cisco Unity Express CLI.
<b>Autodetection of Cisco Router Components</b>	Users can configure an IP telephony system without having detailed knowledge of the Cisco router hardware architecture, expansion modules, or slot configurations.
<b>Support for Barcode-Scanned Input of IP Phone MAC Addresses and Phone Types</b>	Users can avoid the process of manually entering IP phone MAC addresses and phone types, and quickly input this information into the Cisco CallManager Express configuration.

### QCT TECHNICAL SUMMARY

- Communication to router—QCT supports serial communication between the user’s workstation and the Cisco router, using a serial cable connection from a serial COM port on the workstation to the router console port, to enable QCT to perform the configuration process.
- Default router settings—QCT assumes that the Cisco router has only the factory default configuration loaded on its nonvolatile memory and in its running configuration.
- Scalability—QCT can be used for any size Cisco CallManager Express installation, from 24 to 240 phones, but is targeted for use in configuring systems with 50 phones or fewer.
- Version support—QCT supports the following versions of Cisco IOS Software, Cisco CallManager Express, and Cisco Unity Express:
  - Cisco CallManager Express Version 3.2 using IOS Software 12.3(11)T6 and above
  - Cisco Unity Express Version 2.1.0 and above
- Hardware support—QCT can configure Cisco CallManager Express telephony services on any Cisco router that supports Cisco IOS Software Release 12.3(11)T6 and above and Cisco Unity Express Version 2.1.0 and above, including all the Cisco integrated services routers (Cisco 2800 and 3800 series), as well as the earlier generation of Cisco access routers (Cisco 1700, 2600 and 3700 series).

### HOW TO OBTAIN QCT

QCT can be downloaded from Cisco.com with a current Cisco.com (CCO) login ID and password in order to access the QCT software located at the following URL: <http://www.cisco.com/cgi-bin/tablebuild.pl/cme-qct>

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