



## Preface

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## Change History

This table lists changes made to this guide. Most recent changes appear at the top.

Change	See	Date
Moved ports for various system services that support the contact center enterprise solutions into a separate chapter.	"Port Utilization for System Services"	March, 2017
Added a new port TCP 1051 and UDP 1051	"Unified CVP Port Utilization"	February, 2017
Initial Release of Document for Release 11.5(1)		August, 2016
Added ports for PG3	"Contact Center Enterprise Port Utilization"	
Added traffic direction for many ports	"Contact Center Enterprise Port Utilization"	

## About This Guide

This document provides a list of the TCP and UDP ports that Cisco Unified Contact Center products use. You use this information to configure Quality of Service (QoS) and Firewall/VPN solutions. Proper configuration is important on a network with an Architecture for Voice, Video, and Integrated Data (AVVID) solution.

## Audience

This document is intended primarily for network administrators.

## Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at <https://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html>.

Subscribe to *What's New in Cisco Product Documentation*, which lists all new and revised Cisco technical documentation as an RSS feed and delivers content directly to your desktop using a reader application. The RSS feeds are a free service.

## Field Alerts and Field Notices

Cisco can modify its products or determine key processes to be important. These changes are announced through use of the Cisco Field Alerts and Cisco Field Notices. You can register to receive Field Alerts and Field Notices through the Product Alert Tool on Cisco.com. This tool enables you to create a profile to receive announcements by selecting all products of interest.

Sign in [www.cisco.com](http://www.cisco.com) and then access the tool at <https://www.cisco.com/cisco/support/notifications.html>.

## Documentation Feedback

To provide comments about this document, send an email message to the following address: [contactcenterproducts\\_docfeedback@cisco.com](mailto:contactcenterproducts_docfeedback@cisco.com).

We appreciate your comments.

## Conventions

This document uses the following conventions:

Convention	Description
<b>boldface</b> font	Boldface font is used to indicate commands, such as user entries, keys, buttons, and folder and submenu names. For example: <ul style="list-style-type: none"> <li>• Choose <b>Edit</b> &gt; <b>Find</b>.</li> <li>• Click <b>Finish</b>.</li> </ul>

Convention	Description
<i>italic font</i>	Italic font is used to indicate the following: <ul style="list-style-type: none"><li>• To introduce a new term. Example: A <i>skill group</i> is a collection of agents who share similar skills.</li><li>• A syntax value that the user must replace. Example: IF (<i>condition, true-value, false-value</i>)</li><li>• A book title. Example: See the <i>Cisco Unified Contact Center Enterprise Installation and Upgrade Guide</i>.</li></ul>
window font	Window font, such as Courier, is used for the following: <ul style="list-style-type: none"><li>• Text as it appears in code or that the window displays. Example: <code>&lt;html&gt;&lt;title&gt;Cisco Systems, Inc. &lt;/title&gt;&lt;/html&gt;</code></li></ul>
< >	Angle brackets are used to indicate the following: <ul style="list-style-type: none"><li>• For arguments where the context does not allow italic, such as ASCII output.</li><li>• A character string that the user enters but that does not appear on the window such as a password.</li></ul>

