# TLS 1.3 Configuration Overview Guide

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## Overview

For security or compliance reasons, administrators can lock down the TLS version of many Cisco Collaboration products to 1.3 and disable TLS 1.0 and TLS 1.1. For an overview, considerations, and implications of enabling TLS 1.3 and disabling TLS 1.0 or 1.1, see the *TLS 1.3 for On-Premises Cisco Collaboration Deployments* available at Link.

This document provides an overview of how to enable TLS 1.3 and disable TLS 1.0 and 1.1 for Cisco Collaboration products. It also provides references to the relevant product documentation.

Note: Upgrades to 15SU2 or the version mentioned for each product automatically enable TLS 1.3, and only the set TLS version disables versions lower than the configured version.

## Configuration

The following table outlines how to configure your Cisco Collaboration products for TLS 1.3.

Prerequisite: Before configuring your products for TLS 1.3, verify that your product versions can enable TLS 1.3 and disable TLS 1.0 and 1.1. For a list of product versions with this capability, see the TLS 1.3 Compatibility Matrix for Cisco Collaboration Products.

Note: You can configure TLS 1.3 and disable TLS 1.0 and 1.1 for the following products in any order.

Table 1. Configure Collaboration Products for TLS 1.3

| Product | How to Configure TLS 1.3 | References to Product Documentation |
|---|---|---|
| Call Control | | |
| Cisco Unified Communications Manager and IM and Presence Service | Use CLI Command:<br><br>set tls min-version <1.0 \| 1.1 \| 1.2 \| 1.3> | *The TLS Setup* chapter in the *Security Guide for Cisco Unified Communications Manager is* available at https://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/products-maintenance-guides-list.html |
| Cisco Unified Survivable Remote Site Telephony | Use CLI Command:<br><br>sip-ua transport tcp tls [v1.0 \| v1.1 \| v1.2 \| v1.3] | *Cisco Unified SCCP and SIP SRST System Administrator Guide* is available at https://www.cisco.com/c/en/us/support/unified-communications/unified-survivable-remote-site-telephony/products-installation-and-configuration-guides-list.html |
| Conferencing | | |

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| Cisco Meeting Server | Use CLI Command:<br><br>tls <sip \| ldap \| webadmin> min-tls-version <1.0 \| 1.1 \| 1.2 \| 1.3> | *Cisco Meeting Server MMP Command Line Reference Guide* is available at https://www.cisco.com/c/en/us/support/conferencing/meeting-server/products-programming-reference-guides-list.html |
| Cisco Meeting Management | No command is necessary. TLS 1.1 and 1.0 are disabled. | *Cisco Meeting Management Release Notes* are available at https://www.cisco.com/c/en/us/support/conferencing/meeting-management/products-release-notes-list.html |
| Enterprise Edge | | |
| Cisco Expressway Series | On the Maintenance > Security > Ciphers page of the product's web UI, you can configure the cipher suite and minimum supported TLS version for each service. | *Cisco Expressway Administrator Guide is* available at https://www.cisco.com/c/en/us/support/unified-communications/expressway-series/products-maintenance-guides-list.html |
| Cisco Unified Border Element (CUBE) | Use CLI Command:<br><br>sip-ua<br><br>transport tcp tls <1.0 \| 1.1 \| 1.2 \| 1.3><br><br>For dspfarm configuration, it is<br><br>Dspfarm profile <n> conference security<br><br>Tls-version <v1.0 \| v1.1 \| v1.2 \| v1.3> | *Cisco Unified Border Element Configuration Guide* is available at https://www.cisco.com/c/en/us/support/unified-communications/unified-border-element/products-installation-and-configuration-guides-list.html |
| SIP PSTN Gateway | Use CLI Command:<br><br>sip-ua<br><br>transport tcp tls [v1.0 \| v1.1 \| v1.2 \| v1.3] | *Cisco Unified Border Element Configuration Guide* is available at https://www.cisco.com/c/en/us/support/unified-communications/unified-border-element/products-installation-and-configuration-guides-list.html |
| Server Applications | | |
| Cisco Emergency Responder | For pre 12.0(1)SU1, install cop file.<br><br>For 12.0(1)SU1+, use CLI command:<br><br>set tls min-version <1.0 \| 1.1 \| 1.2 \| 1.3> | *Cisco Emergency Responder Version Release Notes are* available at https://www.cisco.com/c/en/us/support/unified-communications/emergency-responder/products-release-notes-list.html |
| Voicemail and Messaging | | |

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| Cisco Unity Connection | Use CLI Command:<br><br>set tls min-version <1.0 \| 1.1 \| 1.2 \| 1.3> | *IP Communications Required by Cisco Unity Connection* chapter in the *Security Guide for Cisco Unity Connection Guides is* available at https://www.cisco.com/c/en/us/support/unified-communications/unity-connection/products-user-guide-list.html |
| Endpoints | | |
| Cisco IP Phone 7800 and 8800 Series | From Cisco Unified CM, set "Disable TLS 1.0 and TLS 1.1 for Web Access" to enabled or disabled. | *The TLS Setup* chapter of the Security Guide for *Cisco Unified Communications Manager is* available at https://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/products-maintenance-guides-list.html<br><br>*The Cisco IP Phone Administration* chapter in the *Cisco IP Phone 7800 Series Administration Guide for Cisco Unified Communications Manager* is available at https://www.cisco.com/c/en/us/support/collaboration-endpoints/unified-ip-phone-7800-series/products-maintenance-guides-list.html<br><br>*The Cisco IP Phone Administration* chapter in the *Cisco IP Phone 8800 Series Administration Guide for Cisco Unified Communications Manager* is available at https://www.cisco.com/c/en/us/support/collaboration-endpoints/unified-ip-phone-8800-series/products-maintenance-guides-list.html |
| Cisco Video Phone 8875 | TLS Client Min Version<br><br>TLS Server Min Version | |
| Cisco Desk Phone 9800 Series | TLS Client Min Version<br><br>TLS Server Min Version | |
| Cisco RoomOS | TLS 1.0 is always disabled. To disable TLS 1.1, go to Setup > Configuration > NetworkServices > ServerMinimumTLSVersion in the endpoint web interface. | |
| Cisco Webex App | | |
| Cisco Jabber | Not applicable. There is no TLS server interface. | https://www.cisco.com/c/en/us/products/unified-communications/jabber/index.html |
| Service Management | | |

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| Cisco Prime Collaboration (Deployment) | Use CLI Command:<br><br>set tls min-version <1.0 \| 1.1 \| 1.2 \| 1.3> | *The minimum TLS Version Control* chapter in the *Cisco Prime Collaboration Deployment Administration Guide* is available at https://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/products-maintenance-guides-list.html |
| Communication Gateways | | |
| STC App and Cisco VG Series Gateways | Use CLI Command:<br><br>stcapp security tls-version v1.3 | *Configuring Voice Functionality* chapter in the *Cisco 4000 Series ISRs Software Configuration Guide* is available at https://www.cisco.com/c/en/us/support/routers/4000-series-integrated-services-routers-isr/products-installation-and-configuration-guides-list.html |
| Other | | |
| IOS MTP/CFB | Use CLI Command:<br><br>dspfarm profile <n> conference security tls-version <v1.0 \| v1.1 \| v1.2 \|v1.3> | The *Cisco 4000 Series ISRs Software Configuration Guide* is available at https://www.cisco.com/c/en/us/support/routers/4000-series-integrated-services-routers-isr/products-installation-and-configuration-guides-list.html |

# Documentation Changes

Table 2. Documentation Changes

| Date | Change |
|---|---|
| October 2024 | Updated and Published the guide for TLS 1.3. |

# 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*.