



Cisco Emergency Responder Version 12.5(1)SU3 Release Notes

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Introduction

Cisco Emergency Responder Release 12.5(1)SU3 supports the following new features:

FCC Emergency Call Regulations

The United States Federal Communications Commission (FCC) adopted rules to help ensure people who call 911 from Multi Line Telephone Systems (MLTS) like Unified Communications Manager can reach 911 directly and be quickly located by first responders. The FCC's rules also impose requirements for transmitting dispatchable location information and require a notification be sent to a central location in the organizations when a 911 call is initiated.

Cisco Emergency Responder provides advanced Emergency Calling functionality to Cisco Unified Communications Manager. It assures that Unified CM will send emergency calls to the appropriate public safety answering point (PSAP) for the caller's location, and that the PSAP can identify the caller's location and return the call if necessary. In addition, the system automatically tracks and updates phone moves and changes. It provides local onsite notification through several methods, including phone alert, web portal alert, email, and text alert. Deploying this capability helps ensure compliance with FCC rules. For more information, see the [FCC Emergency Call Regulations](#) section.

Certificate Support For TLS

From this release, Emergency Responder use TLS certificates that are signed with SHA-256 hash algorithm to meet the required changing security and performance needs. Here, the Key Length should be of 2048 bits or higher. Emergency Responder will also be able to use certificates signed with SHA-256 hash algorithm and Key Size of 4096 bits in TLS.

Smart Licensing Registration through Authentication based Proxy

Proxy server is updated to include extra authentication measures to register to Cisco Smart Software Manager using authentication based proxy server (HTTP or HTTPS).

Switch Support

Support switch port based tracking for new Voice LAN Switches: Cisco Catalyst 1000 Series. For more information, see the [Supported Voice Ready Lan Switches, on page 5](#) section.

Requirements

Supported Hardware and Software

The information in the following sections discuss Hardware and Software requirements for Cisco Emergency Responder 12.5(1)SU3. Read these sections before you perform an upgrade.

Required Software

The following table lists required software that you must install to use Emergency Responder.

Table 1: Required Software

| Item | Supported Software Release | Description |
|--------------------------------------|--|---|
| Cisco Unified Communications Manager | <ul style="list-style-type: none"> • Cisco Unified Communications Manager 12.5(x) • Cisco Unified Communications Manager 12.0(x) • Cisco Unified Communications Manager 11.5(x) • Cisco Unified Communications Manager 11.0(x) • Cisco Unified Communications Manager 10.5(x) • Cisco Unified Communications Manager 10.0(x) | The software that runs the telephony network. |

| Item | Supported Software Release | Description |
|-------------|--|--|
| Web Browser | <ul style="list-style-type: none"> • Firefox with Windows 10 (64 bit) • Chrome with Windows 10 (64 bit) • Internet Explorer 11 with Windows 10 (64 bit) • Internet Explorer 11 with Windows 8.1 (64 bit) • Internet Explorer 11 with Windows 7 (64 bit) • Safari with MacOS (10.x) • Microsoft Edge browser with Windows 10 (32 bit/64 bit) | We recommend that you use the latest version for all the web browsers supported. |

Recommended Software

The following table lists optional software that is recommended for use with Emergency Responder.

Table 2: Recommended Software

| Item | Minimum software release | Description |
|--------------|--------------------------|--|
| Email server | Any SMTP email server | Used to send email notifications to onsite alert (security) personnel. If you use an SMTP email paging server, personnel are paged instead of emailed. |

Supported Phones

The following table lists the different types of phones that support Emergency Responder. The support that Emergency Responder supplies differs depending on the type of phone and the type of switch port to which the phone is attached.

Table 3: Supported Phones

| Phones | Description |
|---|---|
| <p>Phones that are automatically tracked using Cisco Discovery Protocol</p> <ul style="list-style-type: none"> • Skinny Call Control Protocol (SCCP) on Cisco Unified IP Phone 8945, 8941, 7985, 7975, 7971, 7970, 7965, 7962, 7961, 7960, 7945, 7942, 7941, 7940, 7937, 7936, 7935, 7931, 7912, 7911, 7910, 7906, 6961, 6945, 6941, 6921, 6911, 6901 • Session Initiation Protocol (SIP) on Cisco Unified IP Phone 9971, 9951, 8961, 8945, 8941, 8865, 8861, 8851, 8845, 8841, 8832, 8831, 8811, 8800, 7975, 7971, 7970, 7965, 7962, 7961, 7960, 7945, 7942, 7941, 7940, 7912, 7911, 7910, 7906, 7905, 7902, 7861, 7841, 7821, 7811, 7832, 6961, 6945, 6941, 6921, 6911, 6901, 3911, 3905; Cisco IP Phone 7821, 7841, 7861; Cisco IP Video Phone E20; Cisco TelePresence EX60, EX90, MX200, MX300, MX700, MX800, SX10, SX20, and SX80; Cisco TelePresence System Quick Set C20 and Cisco TelePresence Codec C40, C60, and C90 • VXC 6215 • SPA Phones: 525G, 512G • Cisco IP Communicator • Cisco Webex DX650, DX70, DX80 | <p>These phones do not require any special Emergency Responder configuration. However, you must enable Cisco Discovery Protocol on the switches.</p> <p>Note Although Cisco Analog Telephone Adapter (ATA) phones support Cisco Discovery Protocol and SCCP, Emergency Responder cannot automatically track them. You can add ATA phones manually and assign them to an Emergency Response Location (ERL). Emergency Responder routes calls from ATA phones based on the assigned ERL.</p> <p>Note Cisco IP Communicator can be tracked using Cisco Discovery Protocol only when it is installed with the Device ID containing the MAC address of the wired network interface and operating over a wired network interface.</p> |
| <p>Phones that you can track using IP subnet</p> <ul style="list-style-type: none"> • Cisco Unified Wireless IP Phone 7920, 7921G, 7925G, 7925G-EX, 7926G, 8821, and Cisco Cius • Cisco Jabber Client • VXC 6215 • Cisco IP Communicator • Cisco UC Integration for Microsoft Office Communicator, Cisco UC Integration for Microsoft Lync, Cisco Unified Personal Communicator, and third-party SIP phones • Any Cisco Unified IP Phone or third-party SIP phone that is connected to Cisco or third-party switches that are not discovered or supported by Emergency Responder | <p>To track these phones, you must configure the subnet and then assign ERLs to the configured subnets.</p> <p>Note Any IP endpoint can be tracked at call time using the IP subnet provided that the Use IP Address from Call Signaling Telephony setting is enabled.</p> |

| Phones | Description |
|--|---|
| <p>Phones that you can manually define or track using IP subnet</p> <ul style="list-style-type: none"> • Phones that are connected to analog line gateways such as Cisco VG350 or VG224 series or ATA 180 series or ATA 190 series or ATA 191 series • Any H.323 endpoints • Cisco Webex (registered natively to Unified Communications Manager) | <p>These phones are supported only if their calls are routed by Cisco Unified Communications Manager.</p> <p>Note Any IP endpoint can be tracked at call time using the IP subnet provided that the Use IP Address From Call Signaling Telephony setting is enabled.</p> <p>Cisco Webex client (registered natively to Unified Communications Manager) is represented through the registered Spark RD (Remote Destination) and needs to be manually defined in Emergency Responder for tracking.</p> |
| <p>Phones supported for off-premises location confirmation and update with the Remote Worker Emergency Calling feature in Unified Communications Manager 9.0 and later</p> <ul style="list-style-type: none"> • Cisco IP Communicator • Cisco Virtual Desktop (VXCC) • Cisco IP Phone 7800 Series • Cisco Unified IP Phone 9971, 9951, 8961, 8945, 8941, 8865, 8861, 8851, 8845, 8841, 7975, 7971, 7970, 7965, 7962, 7961, 7945, 7942, 7941, 7911, 7910, and 7906 | <p>When configured for off-premises use in Unified Communications Manager 9.0 and later, these phones provide displays for off-premises users to confirm or update their off-premises location.</p> <p>Note If the user dismisses the display before confirming or updating the location, the location can be recovered by selecting Running Applications from the Services menu or by resetting the phone.</p> |
| <p>Phones supported for Access Point based tracking with Unified Communications Manager 11.5 and later</p> <p>Cisco Unified Wireless IP Phone 7925G, 7925G-EX, 7926G, 8821, Cisco Jabber, and Webex App</p> | <p>Wireless Access Points need to be defined in Unified Communications Manager 11.5 and later, these phones provide their upstream infrastructure information (like BSSID) through Station Info messages to Unified Communications Manager. Cisco Emergency Responder through AXL Change Notification can track these phones through the associated Access Point.</p> |

Supported Voice Ready Lan Switches

The following table lists the LAN switch models that Emergency Responder supports. A LAN switch model is supported only if the SNMP System Object ID appears in this table, regardless of the LAN switch configuration or software release.



Note Emergency Responder requires SNMP Version 1, Version 2, Version 2c, or Version 3 for automatic tracking of Cisco Unified IP Phones by connected switch ports.

Table 4: Supported Voice-Ready LAN Switches

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|------------------------------------|------------------|--|
| Catalyst C1000 | C1000-8FP-2G-L | 1.3.6.1.4.1.9.1.2959 |
| | C1000-8P-2G-L | 1.3.6.1.4.1.9.1.2959 |
| | C1000-8FP-E-2G-L | 1.3.6.1.4.1.9.1.2959 |
| | C1000-8P-E-2G-L | 1.3.6.1.4.1.9.1.2959 |
| | C1000-8T-2G-L | 1.3.6.1.4.1.9.1.2959 |
| | C1000-8T-E-2G-L | 1.3.6.1.4.1.9.1.2959 |
| | C1000-16FP-2G-L | 1.3.6.1.4.1.9.1.2959 |
| | C1000-16P-2G-L | 1.3.6.1.4.1.9.1.2959 |
| | C1000-16P-E-2G-L | 1.3.6.1.4.1.9.1.2959 |
| | C1000-16T-2G-L | 1.3.6.1.4.1.9.1.2897 |
| | C1000-16T-E-2G-L | 1.3.6.1.4.1.9.1.2959 |
| | C1000-24FP-4G-L | 1.3.6.1.4.1.9.1.2959 |
| | C1000-24FP-4X-L | 1.3.6.1.4.1.9.1.2959 |
| | C1000-24P-4G-L | 1.3.6.1.4.1.9.1.2959 |
| | C1000-24P-4X-L | 1.3.6.1.4.1.9.1.2897 |
| | C1000-24PP-4G-L | 1.3.6.1.4.1.9.1.2959 |
| | C1000-24T-4X-L | 1.3.6.1.4.1.9.1.2897 |

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---|-------------------------|--|
| Catalyst C1000 | C1000-48FP-4G-L | 1.3.6.1.4.1.9.1.2959 |
| | C1000-48FP-4X-L | 1.3.6.1.4.1.9.1.2897 |
| | C1000-48P-4X-L | 1.3.6.1.4.1.9.1.2897 |
| | C1000-48PP-4G-L | 1.3.6.1.4.1.9.1.2959 |
| | C1000-48T-4G-L | 1.3.6.1.4.1.9.1.2959 |
| | C1000-24T-4G-L | 1.3.6.1.4.1.9.1.2959 |
| | C1000SM-16FP-2G-L | 1.3.6.1.4.1.9.1.2943 |
| | C1000SM-16P-2G-L | 1.3.6.1.4.1.9.1.2941 |
| | C1000SM-16P-E-2G-L | 1.3.6.1.4.1.9.1.2942 |
| | C1000SM-16T-2G-L | 1.3.6.1.4.1.9.1.2939 |
| | C1000SM-16T-E-2G-L | 1.3.6.1.4.1.9.1.2940 |
| | C1000SM-24FP-4G-L | 1.3.6.1.4.1.9.1.2947 |
| | C1000SM-24FP-4X-L | 1.3.6.1.4.1.9.1.2954 |
| | C1000SM-24P-4G-L | 1.3.6.1.4.1.9.1.2946 |
| | C1000SM-24P-4X-L | 1.3.6.1.4.1.9.1.2953 |
| | C1000SM-24PP-4G-L | 1.3.6.1.4.1.9.1.2945 |
| | C1000SM-24T-4G-L | 1.3.6.1.4.1.9.1.2944 |
| | C1000SM-24T-4X-L | 1.3.6.1.4.1.9.1.2952 |

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---|-------------------------|--|
| Catalyst C1000 | C1000SM-48FP-4G-L | 1.3.6.1.4.1.9.1.2951 |
| | C1000SM-48FP-4X-L | 1.3.6.1.4.1.9.1.2957 |
| | C1000SM-48P-4G-L | 1.3.6.1.4.1.9.1.2950 |
| | C1000SM-48P-4X-L | 1.3.6.1.4.1.9.1.2956 |
| | C1000SM-48PP-4G-L | 1.3.6.1.4.1.9.1.2949 |
| | C1000SM-48T-4G-L | 1.3.6.1.4.1.9.1.2948 |
| | C1000SM-48T-4X-L | 1.3.6.1.4.1.9.1.2955 |
| | C1000SM-8P-2G-L | 1.3.6.1.4.1.9.1.2935 |
| | C1000SM-8P-E-2G-L | 1.3.6.1.4.1.9.1.2936 |
| | C1000-48T-4X-L | 1.3.6.1.4.1.9.1.2897 |
| | C1000SM-8T-2G-L | 1.3.6.1.4.1.9.1.2933 |
| | C1000SM-8T-E-2G-L | 1.3.6.1.4.1.9.1.2934 |
| | C1000-12MP-2X-L | 1.3.6.1.4.1.9.1.2897 |
| | C1000-24MP-4X-L | 1.3.6.1.4.1.9.1.2897 |
| Catalyst C1000 | C1000SM-8FP-2G-L | 1.3.6.1.4.1.9.1.2937 |
| | C1000SM-8FP-E-2G-L | 1.3.6.1.4.1.9.1.2938 |
| | C1000FE-24T-4G-L | 1.3.6.1.4.1.9.1.3021 |
| | C1000FE-24P-4G-L | 1.3.6.1.4.1.9.1.3022 |
| | C1000FE-48T-4G-L | 1.3.6.1.4.1.9.1.3023 |
| | C1000FE-48P-4G-L | 1.3.6.1.4.1.9.1.3024 |
| Connected Grid 2500 | CGS-2520-16S-8PC | 1.3.6.1.4.1.9.1.1246 |
| Catalyst 2940 | 2940-8TF | 1.3.6.1.4.1.9.1.542 |
| | 2940-8TT | 1.3.6.1.4.1.9.1.540 |

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---|-------------------------|--|
| Catalyst 2950 | 2950-12 | 1.3.6.1.4.1.9.1.323 |
| | 2950-24 | 1.3.6.1.4.1.9.1.324 |
| | 2950C-24 | 1.3.6.1.4.1.9.1.325 |
| | 2950G-24-EI-DC | 1.3.6.1.4.1.9.1.472 |
| | 2950S-24 | 1.3.6.1.4.1.9.1.430 |
| | 2950SX-24 | 1.3.6.1.4.1.9.1.480 |
| | 2950SX-48 | 1.3.6.1.4.1.9.1.560 |
| Catalyst 2960 | 2960-24LT-L | 1.3.6.1.4.1.9.1.951 |
| | 2960-24PC-L | 1.3.6.1.4.1.9.1.950 |
| | 2960-24-S | 1.3.6.1.4.1.9.1.929 |
| | 2960-24TC-L | 1.3.6.1.4.1.9.1.694 |
| | 2960-24TC-S | 1.3.6.1.4.1.9.1.928 |
| | 2960-24TT-L | 1.3.6.1.4.1.9.1.716 |
| | 2960-48PST-L | 1.3.6.1.4.1.9.1.1016 |
| | 2960-48TC-L | 1.3.6.1.4.1.9.1.695 |
| | 2960-48TC-S | 1.3.6.1.4.1.9.1.927 |
| | 2960-48TT-L | 1.3.6.1.4.1.9.1.717 |
| | 2960-8TC-L | 1.3.6.1.4.1.9.1.798 |
| | 2960-8TC-S | 1.3.6.1.4.1.9.1.1006 |
| | 2960G-24TC-L | 1.3.6.1.4.1.9.1.696 |
| | 2960G-48TC-L | 1.3.6.1.4.1.9.1.697 |
| | 2960G-8TC-L | 1.3.6.1.4.1.9.1.799 |
| | 2960PD-8TT-L | 1.3.6.1.4.1.9.1.952 |
| | 2960-48PST-S | 1.3.6.1.4.1.9.1.1148 |
| | 2960-24LC-S | 1.3.6.1.4.1.9.1.1146 |
| | 2960-24PC-S | 1.3.6.1.4.1.9.1.1147 |

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---|-------------------------|--|
| Catalyst 2960-C | 2960CPD-8PT-L | 1.3.6.1.4.1.9.1.1315 |
| | 2960C-8PC-L | 1.3.6.1.4.1.9.1.1366 |
| | 2960C-12PC-L | 1.3.6.1.4.1.9.1.1367 |
| Catalyst 2960-Plus | 2960-Plus 48PST-L | 1.3.6.1.4.1.9.1.1748 |
| | 2960-Plus 24PC- | 1.3.6.1.4.1.9.1.1749 |
| | 2960-Plus 24LC-L | 1.3.6.1.4.1.9.1.1750 |
| | 2960-Plus 48PST-S | 1.3.6.1.4.1.9.1.1753 |
| | 2960-Plus 24PC-S | 1.3.6.1.4.1.9.1.1754 |
| | 2960-Plus 24LC-S | 1.3.6.1.4.1.9.1.1755 |
| Catalyst 2960-S | 2960S Stack | 1.3.6.1.4.1.9.1.1208 |
| | 2960S-24PD-L | 1.3.6.1.4.1.9.1.1261 |
| | 2960S-24PS-L | 1.3.6.1.4.1.9.1.1265 |
| | 2960S-48FPD-L | 1.3.6.1.4.1.9.1.1258 |
| | 2960S-48FPS-L | 1.3.6.1.4.1.9.1.1263 |
| | 2960S-48LPD-L | 1.3.6.1.4.1.9.1.1259 |
| | 2960S-48LPS-L | 1.3.6.1.4.1.9.1.1264 |

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB | |
|------------------------------------|------------------|--|----------------------|
| Catalyst 2960L | C2960L24TQLL | 1.3.6.1.4.1.9.1.2495 | |
| | C2960L48TQLL | 1.3.6.1.4.1.9.1.2496 | |
| | C2960L24PQLL | 1.3.6.1.4.1.9.1.2497 | |
| | C2960L48PQLL | 1.3.6.1.4.1.9.1.2498 | |
| | Catalyst 2960X | Catalyst 2960X-48LPD-L | 1.3.6.1.4.1.9.1.1691 |
| Catalyst 2960X-48TD-L | | 1.3.6.1.4.1.9.1.1692 | |
| Catalyst 2960X-24TD-L | | 1.3.6.1.4.1.9.1.1694 | |
| Catalyst 2960X-48FPS-L | | 1.3.6.1.4.1.9.1.1695 | |
| Catalyst 2960X-48LPS-L | | 1.3.6.1.4.1.9.1.1696 | |
| Catalyst 2960X-48TS-L | | 1.3.6.1.4.1.9.1.1698 | |
| Catalyst 2960X-24TS-L | | 1.3.6.1.4.1.9.1.1699 | |
| Catalyst 2960X-24PSK-L | | 1.3.6.1.4.1.9.1.1700 | |
| Catalyst 2960X-48LPS-S | | 1.3.6.1.4.1.9.1.1701 | |
| Catalyst 2960X-24PS-S | | 1.3.6.1.4.1.9.1.1702 | |
| Catalyst 2960X-48TS-LL | | 1.3.6.1.4.1.9.1.1703 | |
| Catalyst 2960X-24TS-LL | | 1.3.6.1.4.1.9.1.1704 | |
| Catalyst 2960X-24PS-L | | 1.3.6.1.4.1.9.1.1697 | |
| Catalyst 2960X-24PD-L | | 1.3.6.1.4.1.9.1.1693 | |
| | | 1.3.6.1.4.1.9.1.1690 | |

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---|-------------------------|--|
| Catalyst 2960X-48FPD-L | | |
| Catalyst 2960XR | Catalyst 2960XR-24PD-I | 1.3.6.1.4.1.9.1.1800 |
| | Catalyst 2960XR-24TD-I | 1.3.6.1.4.1.9.1.1801 |
| | Catalyst 2960XR-48FPS-I | 1.3.6.1.4.1.9.1.1802 |
| | Catalyst 2960XR-48LPS-I | 1.3.6.1.4.1.9.1.1803 |
| | Catalyst 2960XR-48TS-I | 1.3.6.1.4.1.9.1.1804 |
| | Catalyst 2960XR-24PS-I | 1.3.6.1.4.1.9.1.1805 |
| | Catalyst 2960XR-24TS-I | 1.3.6.1.4.1.9.1.1806 |
| | Catalyst 2960XR-48FPD-L | 1.3.6.1.4.1.9.1.1807 |
| | Catalyst 2960XR-48LPD-L | 1.3.6.1.4.1.9.1.1808 |
| | Catalyst 2960XR-48PD-L | 1.3.6.1.4.1.9.1.1809 |
| | Catalyst 2960XR-24PD-L | 1.3.6.1.4.1.9.1.1810 |
| | Catalyst 2960XR-24TD-L | 1.3.6.1.4.1.9.1.1811 |
| | Catalyst 2960XR-48FPS-L | 1.3.6.1.4.1.9.1.1812 |
| | Catalyst 2960XR-48LPS-L | 1.3.6.1.4.1.9.1.1813 |
| | Catalyst 2960XR-48TS-L | 1.3.6.1.4.1.9.1.1814 |
| | Catalyst 2960XR-24PS-L | 1.3.6.1.4.1.9.1.1815 |
| | Catalyst 2960XR-24TS-L | 1.3.6.1.4.1.9.1.1816 |
| | Catalyst 2960XR-48FPD-I | 1.3.6.1.4.1.9.1.1797 |
| | Catalyst 2960XR-48LPD-I | 1.3.6.1.4.1.9.1.1798 |
| | Catalyst 2960XR-48TD-I | 1.3.6.1.4.1.9.1.1799 |
| Catalyst 2975 | 2975GS-48PS-L | 1.3.6.1.4.1.9.1.1067 |
| | 2975GS-48PS-L-Stack | 1.3.6.1.4.1.9.1.1068 |
| Catalyst 3550 | 3550-24-DC | 1.3.6.1.4.1.9.1.452 |

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---|-------------------------|--|
| Catalyst 3560 | 3560-12PC-S | 1.3.6.1.4.1.9.1.1015 |
| | 3560-24PS | 1.3.6.1.4.1.9.1.563 |
| | 3560-24TS | 1.3.6.1.4.1.9.1.633 |
| | 3560-48PS | 1.3.6.1.4.1.9.1.564 |
| | 3560-48TS | 1.3.6.1.4.1.9.1.634 |
| | 3560-8PC | 1.3.6.1.4.1.9.1.797 |
| | 3560G-24PS | 1.3.6.1.4.1.9.1.614 |
| | 3560G-24TS | 1.3.6.1.4.1.9.1.615 |
| | 3560G-48PS | 1.3.6.1.4.1.9.1.616 |
| | 3560G-48TS | 1.3.6.1.4.1.9.1.617 |
| | 3560V2-24PS | 1.3.6.1.4.1.9.1.1021 |
| | 3560V2-48PS | 1.3.6.1.4.1.9.1.1025 |
| | 3560CX-12TC-S | 1.3.6.1.4.1.9.1.2133 |
| | 3560CX-8XPD-S | 1.3.6.1.4.1.9.1.2131 |
| | 3560CX-8PT-S | 1.3.6.1.4.1.9.1.2130 |
| Catalyst 3560-C | 3560CG-8PC-S | 1.3.6.1.4.1.9.1.1317 |
| | 3560CPD-8PT-S | 1.3.6.1.4.1.9.1.1368 |
| | 3560C-8PC-S | 1.3.6.1.4.1.9.1.1466 |
| | 3560C-12PC-S | 1.3.6.1.4.1.9.1.1465 |
| Catalyst 3560-E | 3560E-12D | 1.3.6.1.4.1.9.1.930 |
| | 3560E-12SD | 1.3.6.1.4.1.9.1.956 |
| | 3560E-24PD | 1.3.6.1.4.1.9.1.795 |
| | 3560E-24TD | 1.3.6.1.4.1.9.1.793 |
| | 3560E-48PD | 1.3.6.1.4.1.9.1.796 |
| | 3560E-48TD | 1.3.6.1.4.1.9.1.794 |

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---|-------------------------------|--|
| Catalyst 3560-X | 3560X-24P (-L/S/E) | 1.3.6.1.4.1.9.1.1228 |
| | 3560X-48PF (-L/S/E) | 1.3.6.1.4.1.9.1.1229 |
| | 3560X-48P (-L/S/E) | 1.3.6.1.4.1.9.1.1229 |
| | 3560X-48U | 1.3.6.1.4.1.9.1.1710 |
| | 3560X-48TS | 1.3.6.1.4.1.9.1.2066 |
| | WS-C3560X-48T-S | 1.3.6.1.4.1.9.1.1227 |
| Catalyst 3650 | Catalyst C3650-24TS (-L/S/E) | 1.3.6.1.4.1.9.1.1823 |
| | Catalyst C3650-48TS (-L/S/E) | 1.3.6.1.4.1.9.1. 1824 |
| | Catalyst C3650-24PS (-L/S/E) | 1.3.6.1.4.1.9.1. 1825 |
| | Catalyst C3650-48PS (-L/S/E) | 1.3.6.1.4.1.9.1. 1826 |
| | Catalyst C3650-24TD (-L/S/E) | 1.3.6.1.4.1.9.1. 1827 |
| | Catalyst C3650-48TD (-L/S/E) | 1.3.6.1.4.1.9.1. 1828 |
| | Catalyst C3650-24PD (-L/S/E) | 1.3.6.1.4.1.9.1. 1829 |
| | Catalyst C3650-48PD (-L/S/E) | 1.3.6.1.4.1.9.1.1830 |
| | Catalyst C3650-Stack (-L/S/E) | 1.3.6.1.4.1.9.1.1830 |
| | Catalyst C3650-48PQ (-L/S/E) | 1.3.6.1.4.1.9.1.1881 |
| | Catalyst C3650-48TQ (-L/S/E) | 1.3.6.1.4.1.9.1.1882 |

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---|-------------------------|--|
| Catalyst 3750 | 3750 Stack | 1.3.6.1.4.1.9.1.516 |
| | 3750-24FS | 1.3.6.1.4.1.9.1.656 |
| | 3750-24PS | 1.3.6.1.4.1.9.1.536 |
| | 3750-24TS | 1.3.6.1.4.1.9.1.513 |
| | 3750-48PS | 1.3.6.1.4.1.9.1.535 |
| | 3750-48TS | 1.3.6.1.4.1.9.1.512 |
| | 3750G-12S | 1.3.6.1.4.1.9.1.530 |
| | 3750G-12S-SD | 1.3.6.1.4.1.9.1.688 |
| | 3750G-16TD | 1.3.6.1.4.1.9.1.591 |
| | 3750G-24PS | 1.3.6.1.4.1.9.1.602 |
| | 3750G-24T | 1.3.6.1.4.1.9.1.514 |
| | 3750G-24TS | 1.3.6.1.4.1.9.1.511 |
| | 3750G-24TS-1U | 1.3.6.1.4.1.9.1.624 |
| | 3750G-24WS-S25 | 1.3.6.1.4.1.9.1.778 |
| | 3750G-24WS-S50 | 1.3.6.1.4.1.9.1.779 |
| | 3750G-48PS | 1.3.6.1.4.1.9.1.603 |
| | 3750G-48TS | 1.3.6.1.4.1.9.1.604 |
| | 3750V2-24PS | 1.3.6.1.4.1.9.1.1023 |
| | 3750V2-48PS | 1.3.6.1.4.1.9.1.1027 |
| Catalyst 3750-X | 3750X-48P (-L/E) | 1.3.6.1.4.1.9.1.1225 |
| | 3750X-48PF (-L/S/E) | 1.3.6.1.4.1.9.1.1225 |
| | 3750X-48P (-L/S) | 1.3.6.1.4.1.9.1.1225 |
| | 3750X-24P (-L/S/E) | 1.3.6.1.4.1.9.1.1224 |
| Catalyst 3750 Metro | 3750-24TE-M | 1.3.6.1.4.1.9.1.574 |

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---|-----------------------------|--|
| Catalyst 3750-E | 3750E-24PD | 1.3.6.1.4.1.9.1.792 |
| | 3750E-24TD | 1.3.6.1.4.1.9.1.789 |
| | 3750E-48PD | 1.3.6.1.4.1.9.1.791 |
| | 3750E-48TD-S | 1.3.6.1.4.1.9.1.790 |
| Catalyst 3850 | Catalyst C3850-24U (-L/S/E) | 1.3.6.1.4.1.9.1.1767 |
| | Catalyst C3850-48U (-L/S/E) | 1.3.6.1.4.1.9.1.1768 |
| | 3850-48P (-L/S/E) | 1.3.6.1.4.1.9.1.1641 |
| | 3850-24P (-L/S/E) | 1.3.6.1.4.1.9.1.1642 |
| | 3850-48T (-L/S/E) | 1.3.6.1.4.1.9.1.1643 |
| | 3850-24T (-L/S/E) | 1.3.6.1.4.1.9.1.1644 |
| | Catalyst 3850-12S-S | 1.3.6.1.4.1.9.1.1880 |
| | Catalyst 3850-12S-E | 1.3.6.1.4.1.9.1.1880 |
| | Catalyst 3850-24S-S | 1.3.6.1.4.1.9.1.1879 |
| | Catalyst 3850-24S-E | 1.3.6.1.4.1.9.1.1879 |
| | Catalyst C3850-12X48U | 1.3.6.1.4.1.9.1.1745 |
| Catalyst 4500 | 4503 | 1.3.6.1.4.1.9.5.58 |
| | 4503 | 1.3.6.1.4.1.9.1.503 |
| | 4506 | 1.3.6.1.4.1.9.5.59 |
| | 4506 | 1.3.6.1.4.1.9.1.502 |
| | 4507 | 1.3.6.1.4.1.9.1.501 |
| | 4510 | 1.3.6.1.4.1.9.1.537 |

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---|------------------------------|--|
| Catalyst 4500-E | 4503-E | 1.3.6.1.4.1.9.1.874 |
| | 4506-E | 1.3.6.1.4.1.9.1.875 |
| | 4507R-E | 1.3.6.1.4.1.9.1.876 |
| | 4510R-E | 1.3.6.1.4.1.9.1.877 |
| | 4507R+E | 1.3.6.1.4.1.9.1.1286 |
| | 4510R+E | 1.3.6.1.4.1.9.1.1287 |
| Catalyst 4900 | 4948 | 1.3.6.1.4.1.9.1.626 |
| | 4948-10GE | 1.3.6.1.4.1.9.1.659 |
| Catalyst 6500 | 6503 | 1.3.6.1.4.1.9.5.56 |
| | 6503 | 1.3.6.1.4.1.9.1.449 |
| | 6504 | 1.3.6.1.4.1.9.1.657 |
| | 6506 | 1.3.6.1.4.1.9.5.45 |
| | 6506 | 1.3.6.1.4.1.9.1.282 |
| | 6509 | 1.3.6.1.4.1.9.5.44 |
| | 6509 | 1.3.6.1.4.1.9.1.283 |
| | 6509-NEB | 1.3.6.1.4.1.9.5.61 |
| | 6513 | 1.3.6.1.4.1.9.5.50 |
| | 6513 | 1.3.6.1.4.1.9.1.400 |
| Catalyst 6500-E | 6509-E | 1.3.6.1.4.1.9.1.283 |
| | 6506-E | 1.3.6.1.4.1.9.1.282 |
| | 6504-E | 1.3.6.1.4.1.9.1.657 |
| | 6503-E | 1.3.6.1.4.1.9.1.449 |
| Catalyst 6800ia | Catalyst 6800ia-48FPD-L | 1.3.6.1.4.1.9.1.1866 |
| | Catalyst 6800ia-48TD-L | 1.3.6.1.4.1.9.1.1867 |
| Catalyst 68xx | Catalyst 68xx Virtual Switch | 1.3.6.1.4.1.9.1.1934 |
| Catalyst 6880-X | Catalyst 6880-XLE | 1.3.6.1.4.1.9.1.1784 |

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|------------------------------------|----------------------|--|
| Catalyst 6807-XL | Catalyst 6807-XL | 1.3.6.1.4.1.9.1.1765 |
| Catalyst 9200 | C9200-24T | 1.3.6.1.4.1.9.1.2694 |
| | C9200-24P | 1.3.6.1.4.1.9.1.2694 |
| | C9200-48T | 1.3.6.1.4.1.9.1.2694 |
| | C9200-48P | 1.3.6.1.4.1.9.1.2694 |
| C9200CX-12P-2XGH | 1.3.6.1.4.1.9.1.3164 | |
| C9200CX-8PT-2G | 1.3.6.1.4.1.9.1.3098 | |
| C9200CX-8UXG-2X | 1.3.6.1.4.1.9.1.3099 | |
| C9200CX-8P-2XGH | 1.3.6.1.4.1.9.1.3195 | |
| C9200CX-8UXG-2XH | 1.3.6.1.4.1.9.1.3196 | |
| Catalyst 9200L | C9200L-24T-4G | 1.3.6.1.4.1.9.1.2695 |
| | C9200L-24P-4G | 1.3.6.1.4.1.9.1.2695 |
| | C9200L-48T-4G | 1.3.6.1.4.1.9.1.2695 |
| | C9200L-48P-4G | 1.3.6.1.4.1.9.1.2695 |
| | C9200L-24T-4X | 1.3.6.1.4.1.9.1.2695 |
| | C9200L-24P-4X | 1.3.6.1.4.1.9.1.2695 |
| | C9200L-48T-4X | 1.3.6.1.4.1.9.1.2695 |
| | C9200L-48P-4X | 1.3.6.1.4.1.9.1.2695 |

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---|-------------------------|--|
| Catalyst 9300 | c9300 | 1.3.6.1.4.1.9.1.2494 |
| | c930024T | 1.3.6.1.4.1.9.1.2435 |
| | c930024P | 1.3.6.1.4.1.9.1.2436 |
| | c930024U | 1.3.6.1.4.1.9.1.2437 |
| | c930024X | 1.3.6.1.4.1.9.1.2438 |
| | c930048T | 1.3.6.1.4.1.9.1.2439 |
| | c930048P | 1.3.6.1.4.1.9.1.2440 |
| | c930048U | 1.3.6.1.4.1.9.1.2441 |
| | c930048UXM | 1.3.6.1.4.1.9.1.2442 |
| Catalyst 9400 | C9407R | 1.3.6.1.4.1.9.1.2500 |
| | C9410R | 1.3.6.1.4.1.9.1.2501 |
| | C9404R | 1.3.6.1.4.1.9.1.2499 |
| Catalyst 9500 | c950012Q | 1.3.6.1.4.1.9.1.2418 |
| | c950024Q | 1.3.6.1.4.1.9.1.2419 |
| | c950040X | 1.3.6.1.4.1.9.1.2420 |
| Catalyst Express 500 | 500-24LC | 1.3.6.1.4.1.9.1.725 |
| | 500-24PC | 1.3.6.1.4.1.9.1.726 |
| | 500-24TT | 1.3.6.1.4.1.9.1.724 |
| | 500G-12TC | 1.3.6.1.4.1.9.1.727 |
| Catalyst Express 520 | 520-24LC | 1.3.6.1.4.1.9.1.933 |
| | 520-24PC | 1.3.6.1.4.1.9.1.934 |
| | 520-24TT | 1.3.6.1.4.1.9.1.932 |
| | 520-8PC | 1.3.6.1.4.1.9.1.897 |
| | 520G-24TC | 1.3.6.1.4.1.9.1.935 |
| Cisco ME 4900 | ME 4924-10GE | 1.3.6.1.4.1.9.1.788 |
| Catalyst C6880x | ciscoC6880x | 1.3.6.1.4.1.9.1.1936 |

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---|------------------------------|--|
| Catalyst 3560CX | Cisco Catalyst 3560CX-8XPD-S | 1.3.6.1.4.1.9.1.2131 |
| | Cisco Catalyst 3560CX-8PT-S | 1.3.6.1.4.1.9.1.2130 |
| Catalyst C3560 | catwsC3560CX12pdS | 1.3.6.1.4.1.9.1.2132 |
| | catwsC3560CX12pcS | 1.3.6.1.4.1.9.1.2134 |
| | catwsC3560CX8tcS | 1.3.6.1.4.1.9.1.2135 |
| | catwsC3560CX8pcS | 1.3.6.1.4.1.9.1.2136 |
| Catalyst C2960 | catwsC2960CX8tcL | 1.3.6.1.4.1.9.1.2137 |
| Catalyst 2960CX | Cisco Catalyst 2960CX-8PC-L | 1.3.6.1.4.1.9.1.2191 |

Table 5: Supported Voice-Ready LAN Switches (Continuation)

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---|-------------------------|--|
| Catalyst IE2000 | IE-2000-24T67-B | 1.3.6.1.4.1.9.1.1842 |
| | IE-2000-24T67-B | 1.3.6.1.4.1.9.1.1841 |
| | IE-2000-24T67-B | 1.3.6.1.4.1.9.1.1844 |
| | IE-2000-24T67-B | 1.3.6.1.4.1.9.1.1843 |
| | IE-2000-16T67P-G-E | 1.3.6.1.4.1.9.1.1845 |
| | IE-2000-4TS-G-L | 1.3.6.1.4.1.9.1.1470 |
| | IE-2000-4TS-G-B | 1.3.6.1.4.1.9.1.1470 |
| | IE-2000-4T-G-B | 1.3.6.1.4.1.9.1.1471 |
| | IE-2000-8TC-B | 1.3.6.1.4.1.9.1.1472 |
| | IE-2000-16TC-L | 1.3.6.1.4.1.9.1.1474 |

Table 6: Supported Voice-Ready LAN Switches (Continuation)

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---------------------------------|-------------------|---|
| Catalyst IE2000 | IE-2000-16TC-B | 1.3.6.1.4.1.9.1.1474 |
| | IE-2000-16TC-G-L | 1.3.6.1.4.1.9.1.1475 |
| | IE-2000-16TC-G-N | 1.3.6.1.4.1.9.1.1715 |
| | IE-2000-16PTC-G-E | 1.3.6.1.4.1.9.1.1730 |
| | IE-2000-4S-TS-G-B | 1.3.6.1.4.1.9.1.1759 |
| | IE-2000-4T-G-L | 1.3.6.1.4.1.9.1.1471 |
| | IE-2000-16PTC-G-L | 1.3.6.1.4.1.9.1.1729 |
| | IE-2000-8TC-G-L | 1.3.6.1.4.1.9.1.1473 |
| | IE-2000-8TC-G-B | 1.3.6.1.4.1.9.1.1473 |
| | IE-2000-16TC-G-X | 1.3.6.1.4.1.9.1.1520 |

Table 7: Supported Voice-Ready LAN Switches (Continuation)

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---------------------------------|------------------|---|
| Catalyst IE2000U | IE-2000U-4S-G | 1.3.6.1.4.1.9.1.1839 |
| | IE-2000U-4TS-G | 1.3.6.1.4.1.9.1.1869 |
| | IE-2000U-8TC-G | 1.3.6.1.4.1.9.1.1870 |
| | IE-2000U-16TC-GP | 1.3.6.1.4.1.9.1.1868 |
| | IE-2000U-16TC-GP | 1.3.6.1.4.1.9.1.1871 |
| | IE-2000U-16TC-GP | 1.3.6.1.4.1.9.1.1872 |
| | IE-2000U-16TC-GP | 1.3.6.1.4.1.9.1.1840 |

Table 8: Supported Voice-Ready LAN Switches (Continuation)

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---|-------------------------|--|
| Catalyst IE3x00/IE30x0 | IE-3000-4TC | 1.3.6.1.4.1.9.1.958 |
| | IE-3000-8TC | 1.3.6.1.4.1.9.1.959 |
| | IE-3010-16S-8PC | 1.3.6.1.4.1.9.1.1319 |
| | IE-3010-24TC | 1.3.6.1.4.1.9.1.1320 |
| | IE-3200-8P2S | 1.3.6.1.4.1.9.1.2684 |
| | IE-3200-8P2S-E | 1.3.6.1.4.1.9.1.2684 |
| | IE-3200-8T2S | 1.3.6.1.4.1.9.1.2683 |
| | IE-3300-8T2S | 1.3.6.1.4.1.9.1.2685 |
| | IE-3300-8P2S | 1.3.6.1.4.1.9.1.2686 |

Table 9: Supported Voice-Ready LAN Switches (Continuation)

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---|-------------------------|--|
| Catalyst IE3400/IE3400H | IE-3400-8T2S | 1.3.6.1.4.1.9.1.2872 |
| | IE-3400-8P2S | 1.3.6.1.4.1.9.1.2687 |
| | IE-3400H-24FT | 1.3.6.1.4.1.9.1.2883 |
| | IE-3400H-16FT | 1.3.6.1.4.1.9.1.2882 |
| | IE-3400H-16T | 1.3.6.1.4.1.9.1.2885 |
| | IE-3400H-24T | 1.3.6.1.4.1.9.1.2886 |
| | IE-3400H-8FT | 1.3.6.1.4.1.9.1.2881 |
| | IE-3400H-8T | 1.3.6.1.4.1.9.1.2884 |

Table 10: Supported Voice-Ready LAN Switches (Continuation)

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---------------------------------|--------------------|---|
| Catalyst IE4000 | IE-4000-8GT8GP4G-E | 1.3.6.1.4.1.9.1.2079 |
| | IE-4000-4T4P4G-E | 1.3.6.1.4.1.9.1.2072 |
| | IE-4000-8T4G-E | 1.3.6.1.4.1.9.1.2070 |
| | IE-4000-16GT4G-E | 1.3.6.1.4.1.9.1.2078 |
| | IE-4000-16T4G-E | 1.3.6.1.4.1.9.1.2073 |
| | IE-4000-4GC4GP4G-E | 1.3.6.1.4.1.9.1.2077 |
| | IE-4000-4GS8GP4G-E | 1.3.6.1.4.1.9.1.2080 |
| | IE-4000-4S8P4G-E | 1.3.6.1.4.1.9.1.2074 |
| | IE-4000-4TC4G-E | 1.3.6.1.4.1.9.1.2069 |
| | IE-4000-8GS4G-E | 1.3.6.1.4.1.9.1.2076 |

Table 11: Supported Voice-Ready LAN Switches (Continuation)

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---------------------------------|---------------------------|---|
| Catalyst IE4000 | IE-4000-8GT4G-E i+F45:F48 | 1.3.6.1.4.1.9.1.2075 |
| | IE-4000-8S4G-E | 1.3.6.1.4.1.9.1.2071 |
| Catalyst IE4010 | IE-4010-4S24P | 1.3.6.1.4.1.9.1.2368 |
| | IE-4010-16S12P | 1.3.6.1.4.1.9.1.2369 |
| Catalyst IE5000 | IE-5000-16S12P | 1.3.6.1.4.1.9.1.2296 |
| | IE-5000-12S12P-10G | 1.3.6.1.4.1.9.1.2233 |

The following table lists the Meraki Switches and Meraki Managed Catalyst Switches that are supported for Switch Port based tracking through SNMP v2.

Table 12: Meraki Switches and Meraki Managed Catalyst Switches

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---|-------------------------|--|
| Meraki MS120 | MS120-8 | 1.3.6.1.4.1.29671.2.338 |
| | MS120-8LP | 1.3.6.1.4.1.29671.2.339 |
| | MS120-8FP | 1.3.6.1.4.1.29671.2.340 |
| | MS120-24 | 1.3.6.1.4.1.29671.2.341 |
| | MS120-24P | 1.3.6.1.4.1.29671.2.342 |
| | MS120-48 | 1.3.6.1.4.1.29671.2.343 |
| | MS120-48LP | 1.3.6.1.4.1.29671.2.344 |
| | MS120-48FP | 1.3.6.1.4.1.29671.2.356 |
| | MS120-48FP | 1.3.6.1.4.1.29671.2.356 |
| Meraki MS210 | MS210-24P | 1.3.6.1.4.1.29671.2.346 |
| | MS210-48LP | 1.3.6.1.4.1.29671.2.348 |
| | MS210-24 | 1.3.6.1.4.1.29671.2.345 |
| | MS210-48 | 1.3.6.1.4.1.29671.2.347 |
| | MS210-48FP | 1.3.6.1.4.1.29671.2.349 |
| Meraki MS125 | MerakiMS125-24 | 1.3.6.1.4.1.29671.2.371 |
| | MerakiMS125-24P | 1.3.6.1.4.1.29671.2.372 |
| | MerakiMS125-48 | 1.3.6.1.4.1.29671.2.373 |
| | MerakiMS125-48LP | 1.3.6.1.4.1.29671.2.374 |
| | MerakiMS125-48FP | 1.3.6.1.4.1.29671.2.375 |
| Meraki MS220 | MerakiMS220-8 | 1.3.6.1.4.1.29671.2.304 |
| | MerakiMS220-8p | 1.3.6.1.4.1.29671.2.305 |
| | MerakiMS220-24 | 1.3.6.1.4.1.29671.2.306 |
| | MerakiMS220-24p | 1.3.6.1.4.1.29671.2.307 |
| | MerakiMS220-48 | 1.3.6.1.4.1.29671.2.308 |
| | MerakiMS220-48lp | 1.3.6.1.4.1.29671.2.309 |
| | MerakiMS220-48fp | 1.3.6.1.4.1.29671.2.310 |

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|---|-------------------------|--|
| Meraki MS225 | MS225-24 | 1.3.6.1.4.1.29671.2.328 |
| | MS225-24p | 1.3.6.1.4.1.29671.2.329 |
| | MS225-48 | 1.3.6.1.4.1.29671.2.330 |
| | MS225-48lp | 1.3.6.1.4.1.29671.2.331 |
| | MS225-48fp | 1.3.6.1.4.1.29671.2.332 |
| Meraki MS250 | MS250-24 | 1.3.6.1.4.1.29671.2.333 |
| | MS250-24p | 1.3.6.1.4.1.29671.2.334 |
| | MS250-48 | 1.3.6.1.4.1.29671.2.335 |
| | MS250-48lp | 1.3.6.1.4.1.29671.2.336 |
| | MS250-48fp | 1.3.6.1.4.1.29671.2.337 |
| Meraki MS320 | MS320-24 | 1.3.6.1.4.1.29671.2.311 |
| | MS320-24p | 1.3.6.1.4.1.29671.2.312 |
| | MS320-48 | 1.3.6.1.4.1.29671.2.313 |
| | MS320-48lp | 1.3.6.1.4.1.29671.2.314 |
| | MS320-48fp | 1.3.6.1.4.1.29671.2.315 |
| Meraki MS350 | MS350-24 | 1.3.6.1.4.1.29671.2.318 |
| | MS350-24p | 1.3.6.1.4.1.29671.2.319 |
| | MS350-48 | 1.3.6.1.4.1.29671.2.320 |
| | MS350-48lp | 1.3.6.1.4.1.29671.2.321 |
| | MS350-48fp | 1.3.6.1.4.1.29671.2.322 |
| | MS350-24x | 1.3.6.1.4.1.29671.2.327 |
| Meraki MS355 | MS355-24X | 1.3.6.1.4.1.29671.2.357 |
| | MS355-24X2 | 1.3.6.1.4.1.29671.2.358 |
| | Meraki MS355-48X | 1.3.6.1.4.1.29671.2.359 |
| | Meraki MS355-48X2 | 1.3.6.1.4.1.29671.2.360 |

Supported Cisco Routers

The following table lists the Cisco routers Emergency Responder supports.

Table 13: Supported Cisco Routers

| Series (Ethernet Ports Only) | Supported Device | System Object ID from CISCO-PRODUCTS-MIB or CISCO-STACK-MIB |
|------------------------------|------------------------|---|
| Cisco 1800 | Cisco 1861-SRST-B/K9 | 1.3.6.1.4.1.9.1.904 |
| | Cisco 1861-SRST-C-B/K9 | 1.3.6.1.4.1.9.1.939 |
| | Cisco 1861-SRST-C-F/K9 | 1.3.6.1.4.1.9.1.940 |
| | Cisco 1861-SRST-F/K9 | 1.3.6.1.4.1.9.1.905 |
| | Cisco 1861-UC-2BRI-K9 | 1.3.6.1.4.1.9.1.902 |
| | Cisco 1861-UC-4FXO-K9 | 1.3.6.1.4.1.9.1.903 |
| | Cisco1861 | 1.3.6.1.4.1.9.1.1065 |
| Cisco 1900 | Cisco 1905 | 1.3.6.1.4.1.9.1.1192 |
| | Cisco 1921 | 1.3.6.1.4.1.9.1.1191 |
| | Cisco 1941 | 1.3.6.1.4.1.9.1.1047 |
| Cisco 2800 | Cisco 2811 | 1.3.6.1.4.1.9.1.576 |
| | Cisco 2821 | 1.3.6.1.4.1.9.1.577 |
| | Cisco 2851 | 1.3.6.1.4.1.9.1.578 |
| Cisco 2900 | Cisco 2911 | 1.3.6.1.4.1.9.1.1045 |
| | Cisco 2921 | 1.3.6.1.4.1.9.1.1044 |
| | Cisco 2951 | 1.3.6.1.4.1.9.1.1043 |
| Cisco 3800 | Cisco 3825 | 1.3.6.1.4.1.9.1.543 |
| | Cisco 3845 | 1.3.6.1.4.1.9.1.544 |
| Cisco 3900 | Cisco 3925 | 1.3.6.1.4.1.9.1.1042 |
| | Cisco 3925E | 1.3.6.1.4.1.9.1.1144 |
| | Cisco 3945 | 1.3.6.1.4.1.9.1.1041 |
| | Cisco 3945E | 1.3.6.1.4.1.9.1.1145 |

Supported Switch Modules and Network Modules

Emergency Responder supports the following switch modules and network modules.

Table 14: Supported Switch Modules and Network Modules

| Switch Modules and Network Modules | System Object ID from CISCO-PRODUCTS-MIB |
|------------------------------------|--|
| Cisco SM-ES2-16-P | 1.3.6.1.4.1.9.1.1048 |
| Cisco SM-ES3-16-P | 1.3.6.1.4.1.9.1.1049 |
| Cisco SM-ES3G-16-P | 1.3.6.1.4.1.9.1.1050 |
| Cisco SM-ES2-24-P | 1.3.6.1.4.1.9.1.1052 |
| Cisco SM-ES3-24-P | 1.3.6.1.4.1.9.1.1053 |
| Cisco SM-ES3G-24-P | 1.3.6.1.4.1.9.1.1054 |
| Cisco SM-D-ES3-48-P | 1.3.6.1.4.1.9.1.1056 |
| Cisco SM-D-ES3G-48-P | 1.3.6.1.4.1.9.1.1057 |
| NME-16ES-1G | 1.3.6.1.4.1.9.1.702 |
| NME-16ES-1G-P | 1.3.6.1.4.1.9.1.663 |
| NME-X-23ES-1G | 1.3.6.1.4.1.9.1.703 |
| NME-X-23ES-1G-P | 1.3.6.1.4.1.9.1.664 |
| NME-XD-24ES-2S-P | 1.3.6.1.4.1.9.1.665 |
| NME-XD-48ES-2S-P | 1.3.6.1.4.1.9.1.666 |



Note Switch modules and network modules use the System Object IDs of the routers into which they are inserted. Support for ISR-G2 SM and NM requires installation of the Cisco Options Package (COP) file. Download the COP file from the [Download Software](#) page on Cisco.com

Supported Cisco UCS Platforms

For information about supported Cisco Unified Computing System (UCS) platforms, see the [Unified Communications Virtualization Supported Applications](#) section of the Cisco Collaboration Virtualization wiki.

VMware Support

For information about VMware, see the Unified Communications VMWare Requirements section of the Cisco documentation wiki at https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/uc_system/virtualization/virtualization-software-requirements.html.

Supported OVAs and Capacity

For information about OVAs, administrators should see the Virtualization for Cisco Emergency Responder (CER) at http://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/uc_system/virtualization/virtualization-cisco-emergency-responder.html.

Related Documentation

Cisco Emergency Responder Documentation

See the publications for Cisco Emergency Responder. Navigate from the following documentation URL:

<https://www.cisco.com/c/en/us/support/unified-communications/emergency-responder/series.html>

Cisco Unified Communications Manager Documentation

See the *Cisco Unified Communications Manager Documentation Guide* and other publications specific to your Cisco Unified Communications Manager release. Navigate from the following URL:

<https://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/series.html>

Important Notes

Cisco Emergency Responder 12.5(x) Supported Upgrades

Cisco Emergency Responder 10.x and later is supported on Cisco Unified Computing System (UCS) and other virtual platforms only. All existing installations on Media Convergence Servers (MCS) should be migrated to UCS before upgrading to Cisco Emergency Responder 10.x or later.

Direct upgrades to Cisco Emergency Responder 12.5(x) are supported only for the following releases:

- Cisco Emergency Responder 10.0(1) or Cisco Emergency Responder 10.0(2) or Cisco Emergency Responder 10.5(1) or Cisco Emergency Responder 10.5(1a)
- Cisco Emergency Responder 11.0(1) till Cisco Emergency Responder 11.5(4) SU10
- Cisco Emergency Responder 12.0(1) or Cisco Emergency Responder 12.0(1) SU1 or Cisco Emergency Responder 12.0(1) SU2

Direct upgrades from Cisco Emergency Responder 1.x, Cisco Emergency Responder 2.x, Cisco Emergency Responder 7.x, or Cisco Emergency Responder 8.0 or Cisco Emergency Responder 8.5 or Cisco Emergency Responder 8.6 or Cisco Emergency Responder 8.7 to Cisco Emergency Responder 12.5(x) are not supported. Customers must first complete an upgrade to Cisco Emergency Responder 8.6.

- If existing Cisco Emergency Responder 1.x, Cisco Emergency Responder 2.x, Cisco Emergency Responder 7.x, or Cisco Emergency Responder 8.0 or Cisco Emergency Responder 8.5 or Cisco Emergency Responder 8.6 or Cisco Emergency Responder 8.7 is installed on an MCS model that is supported by Cisco Emergency Responder 8.6 or supported through Bridge Upgrade of the system, the customer must first upgrade to Cisco Emergency Responder 8.6, then migrate to UCS or virtual platform, and then upgrade to Cisco Emergency Responder 12.5(x).
- If existing Cisco Emergency Responder 1.x, Cisco Emergency Responder 2.x, Cisco Emergency Responder 7.x, or Cisco Emergency Responder 8.0 or Cisco Emergency Responder 8.5 or Cisco Emergency Responder 8.6 or Cisco Emergency Responder 8.7 is installed on MCS, which is not supported by Cisco Emergency Responder 8.6, customer must perform a fresh installation of Cisco Emergency Responder 12.5(x).

COP Files Required for Upgrades to Release 12.5(x)

Table 15: Required COP Files for Upgrades and Migrations to Emergency Responder Release 12.5(x)

| From | To | Upgrade Type |
|---|--------|---|
| 9.0(1) and 9.0(2) | 12.5.x | Refresh upgrade. Required COP file: <ul style="list-style-type: none"> ciscocm.version3-keys.cop.sgn |
| 10.0(1), 10.0(2), 10.5(1), and 10.5(1a) | 12.5.x | Refresh upgrade. Required COP file: <ul style="list-style-type: none"> ciscocm.version3-keys.cop.sgn <p>Note You should use the following COP file to upgrade from release 10.5(1) to release 12.5(1) SU3 directly when you select the Switch Version as No: ciscocm.cer_10x_RU_12.5su3.cop.sgn</p> |
| 11.0(1) | 12.5.x | Refresh upgrade; no COP file required. |
| 11.5(1)— | 12.5.x | Refresh upgrade; no COP file required. |
| 12.0(1), 12.0(1) SU(1), and 12.0(1) SU(2) | 12.5.x | Refresh upgrade. Required COP file: <ul style="list-style-type: none"> ciscocm.cer_resetudi.cop.sg |

Caveats

This section contains information about accessing the Cisco Bug Search to find open caveats and resolved caveats.

Access Cisco Bug Search

Known problems (bugs) are graded according to severity level. These release notes contain descriptions of the following:

- All severity level 1 or 2 bugs
- Significant severity level 3 bugs

You can search for problems by using Cisco Bug Search.

Before you begin

To access Cisco Bug Search, you need the following items:

- Internet connection
- Web browser
- Cisco.com user ID and password

Procedure

-
- Step 1** To access Cisco Bug Search, go to:
<https://bst.cloudapps.cisco.com/bugsearch>
- Step 2** Log in with your Cisco.com user ID and password.
- Step 3** To look for information about a specific problem, enter the bug ID number in the Search for field, then press **Enter**.
-

Open Caveats

| Identifier | Headline |
|----------------------------|---|
| CSCvv22092 | CER does not retain Intrado cert on upgrade |
| CSCvu69590 | CER: Off-premise device mapping does not correctly map extensions longer than 10 digits |
| CSCvt73209 | Scheduled backups executed 1 hour early or later when DST takes effect |

Resolved Caveats

Table 16: Resolved Caveats for Cisco Emergency Responder 12.5(1)SU3

| Identifier | Headline |
|----------------------------|--|
| CSCvs87729 | CER vulnerabilities cross site Request forgery + |
| CSCvt97450 | Incremental discovery not working due to IPv6 address searched in an incorrect OID |
| CSCvv23389 | RU failure: 10.5 to 12.5SU3 CER using Switch version No |
| CSCvu48074 | CER SLM Connection Fails When Using Proxy |

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Ciscotechnical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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