

## New Cisco IOS Software Release 12.2(35)SE1 for Cisco Catalyst 3750 Metro, Cisco ME 3400 and 2400 Series Ethernet Access Switches

Cisco® announces Cisco IOS® Software updates for Cisco Catalyst® 3750 Metro, Cisco ME 3400 and 2400 Series Ethernet Access Switches. This new release provides enhancements on the Metro Ethernet access switches.

This product bulletin contains content and delivery information for Cisco IOS Software Release 12.2(35)SE1.

The following new features are available with Cisco IOS Software Release 12.2(35)SE1 for Metro Ethernet switches:

- **Multicast VLAN Registration (MVR) on trunk port**—MVR allows a subscriber on a port to subscribe to and unsubscribe from a multicast stream on the network-wide multicast VLAN. It allows the single multicast VLAN to be shared in the network while subscribers remain in separate VLANs. This new enhancement allows MVR receiver ports to be trunk ports.
- **802.3ah Ethernet OAM**—802.3ah Link Layer OAM is an IEEE Ethernet OAM standard for physical connectivity check. 802.3ah at the provider edge covers the OAM frames used across a physical IEEE 802.3 medium between a provider and a customer, between two provider ports, or even potentially between two customer ports.
- **Hierarchical QoS on EtherChannel®**—Allows hierarchical QoS to be applied to a port that belongs to an EtherChannel port.

Table 1 describes product support for new features of Cisco IOS Software Release 12.2(35)SE1 for Metro Ethernet switches.

**Table 1.** Cisco Catalyst Metro Ethernet Switches Features Supported with Cisco IOS Software Release 12.2(35)SE1

Feature	Cisco Catalyst 3750 Metro Advanced Services	Cisco Catalyst 3750 Metro IP Services	Cisco Catalyst 3750 Metro IP Base	Cisco ME 3400 Metro IP Access	Cisco ME 3400 Metro Access	Cisco ME 3400 Metro Base	Cisco ME 2400
MVR on Trunk	X	X	X	X	X	X	X
802.3ah Ethernet OAM	X	X	X	X	X	N	N
Hierarchical QoS on EtherChannel	X	X	X	N	N	N	N

X = supported; N = not supported

Table 2 lists switches supported.

**Table 2.** Cisco Catalyst Metro Ethernet Switches Supported with Cisco IOS Software Release 12.2(35)SE1

Cisco Catalyst 3750 Metro Series Switches and Software Licenses	Cisco ME 3400 Series Switches and Software Images	Cisco ME 2400 Series Switches
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Cisco Catalyst 3750 Metro Series Switches and Software Licenses	Cisco ME 3400 Series Switches and Software Images	Cisco ME 2400 Series Switches
<ul style="list-style-type: none"> <li>• ME-C3750-24TE-M</li> <li>• ME3750-IPSVC-LIC</li> <li>• ME3750-IPSVC-LIC=</li> <li>• ME3750-ADVIP-LIC</li> <li>• ME3750-ADVIP-LIC=</li> <li>• ME3750-UPGRD-LIC=</li> </ul>	<ul style="list-style-type: none"> <li>• ME-3400-24-TS-A</li> <li>• ME-3400-24-TS-D</li> <li>• ME-3400G-12CS-A</li> <li>• ME-3400G-12CS-D</li> <li>• CD-ME3400-B2A=</li> <li>• CD-ME3400-B2I=</li> <li>• CD-ME3400-A2I=</li> <li>• S340XA-12235SE</li> <li>• S340XAT-12235SE</li> <li>• S340XAK9-12235SE</li> <li>• S340XAK9T-12235SE</li> <li>• S340XB-12235SE</li> <li>• S340XBT-12235SE</li> <li>• S340XBK9-12235SE</li> <li>• S340XBK9T-12235SE</li> <li>• S340XI-12235SE</li> </ul>	<ul style="list-style-type: none"> <li>• ME-2400-24-TS-A</li> <li>• ME-2400-24-TS-D</li> </ul>

## Additional Resources

### Software Download

Software is available for download from the following links:

- **Cisco IOS Software Upgrade Planner:** <http://www.cisco.com/cgi-bin/Software/iosplanner/Planner-tool/iosplanner.cgi?majorRel=>
- **Guest Level Access Planner:** <http://www.cisco.com/kobayashi/sw-center/index.shtml>

Because of export restrictions on strong cryptography software, a separate image is required for the cryptographic features (Secure Shell [SSH] Protocol, Simple Network Management Protocol Version 3 [SNMPv3], and Kerberos Protocol). These software images can be downloaded from the corresponding Triple Data Encryption Standard (3DES) area of the links provided in this section.

### Product Information

Additional product information is available at the following URLs:

- **Cisco Catalyst 3750 Metro Series Switches:** <http://www.cisco.com/go/catalyst3750metro>
- **Cisco ME 3400 Series Ethernet Access Switches:** <http://www.cisco.com/en/US/products/ps6580/index.html>
- **Cisco ME 2400 Series Ethernet Access Switches:** <http://www.cisco.com/en/US/products/ps6581/index.html>
- **Cisco Catalyst 3750 Metro and ME 3400/2400 Series release notes:**
  - <http://www.cisco.com/univercd/cc/td/doc/product/lan/cat3750m/index.htm>
  - <http://www.cisco.com/univercd/cc/td/doc/product/metro/me3400/index.htm>
  - <http://www.cisco.com/univercd/cc/td/doc/product/metro/me2400/index.htm>

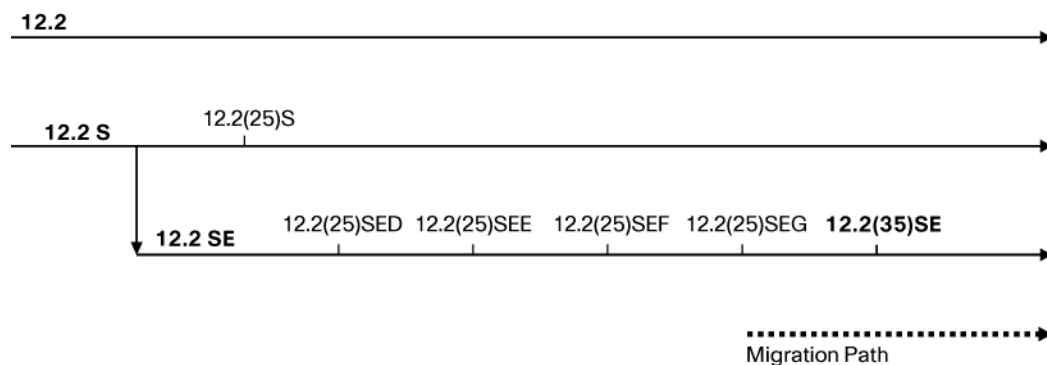
### Support

Cisco IOS Software Release 12.2(35)SE1 follows the standard Cisco support policy indicated at: [http://www.cisco.com/en/US/products/products\\_end-of-life\\_policy.html](http://www.cisco.com/en/US/products/products_end-of-life_policy.html)

### Software Image Migration Guide

Figure 1 displays Cisco IOS Software Release 12.2(35)SE1 functions relative to the 12.2S and 12.2SE releases and identifies the recommended migration path.

**Figure 1.** Cisco IOS Software Release 12.2 Release Train



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