

# Cisco IOS Software Release 12.2(55)SE for Cisco Catalyst 3750 Metro Series Switches and Cisco ME 3400 and ME 3400E Series Ethernet Access Switches

PB 614426

Cisco announces Cisco IOS® Software updates for Cisco® Catalyst® 3750 Metro Series Switches and Cisco ME 3400 and ME 3400E Series Ethernet Access Switches. This release advances Cisco's leadership role by providing support for drop eligibility indicator (DEI)-based quality of service (QoS) and split horizon in IEEE 802.1ad provider bridges frames on the ME 3400E Series, Bidirectional Forwarding Detection (BFD) over switch virtual interface (SVI), and flexible maximum transmission unit (MTU) size per interface for Metro Ethernet deployments.

This product bulletin contains content and delivery information for Cisco IOS Software Release 12.2(55)SE.

## New Features

The following new features are available with Cisco IOS Software Release 12.2(55)SE for Metro Ethernet switches:

- **DEI-based QoS for 802.1ad provider bridges frames:** Supports classification, marking, and policing of 802.1ad frames based on DEI bit.
- **Split horizon for IEEE802.1ad:** Prevents mixing of traffic from different customers on a single Customer Edge (CE) devices.
- **BFD over SVI:** Allows fast Provider Edge (PE) device failure detection and switchover to redundant PE devices when switches are deployed as Layer 3 Customer Premises Equipment (CPE).
- **Flexible MTU size per interface:** Allows service providers to set the MTU on a per port basis.

Table 1 lists the product support for new features in Cisco IOS Software Release 12.2(55)SE.

**Table 1.** New Feature Support

	Cisco Catalyst 3750 Metro Series: Advanced IP	Cisco Catalyst 3750 Metro Series: IP Services	Cisco Catalyst 3750 Metro Series: IP Base	Cisco ME 3400E Series: Metro IP Access	Cisco ME 3400E Series: Metro Access	Cisco ME 3400 Series: Metro IP Access	Cisco ME 3400 Series: Metro Access	Cisco ME 3400 Series: Metro Base
<b>DEI-based QoS for 802.1ad frames</b>	No	No	No	Yes	Yes	No	No	No
<b>Split horizon support for 802.1ad</b>	No	No	No	Yes	Yes	No	No	No
<b>BFD over SVI</b>	Yes	Yes	Yes	Yes	No	Yes	No	No
<b>Flexible MTU size per interface</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

## Supported Products

Table 2 lists the part numbers for the Metro Ethernet switches supported in Release 12.2(55)SE.

**Table 2.** Part Numbers for Cisco Metro Ethernet Switches

Cisco Catalyst 3750 Metro Series Switches and Software Licenses	Cisco ME 3400E Series Switches and Software Images	Cisco ME 3400 Series Switches and Software Images
<ul style="list-style-type: none"> <li>• ME-C3750-24TE-M</li> <li>• ME3750-IPSV-LIC</li> <li>• ME3750-IPSV-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-3400E-24TS-M</li> <li>• ME-3400EG-12CS-M</li> <li>• ME-3400EG-2CS-A</li> <li>• S340XA-12255SE</li> <li>• S340XI-12255SE</li> <li>• CD-ME3400-A2I=</li> </ul>	<ul style="list-style-type: none"> <li>• ME-3400-24TS-A</li> <li>• ME-3400-24TS-D</li> <li>• ME-3400-24FS-A</li> <li>• ME-3400G-12CS-A</li> <li>• ME-3400G-12CS-D</li> <li>• ME-3400G-2CS-A</li> <li>• CD-ME3400-B2A=</li> <li>• CD-ME3400-B2I=</li> <li>• CD-ME3400-A2I=</li> <li>• S340XB-12255SE</li> <li>• S340XA-12255SE</li> <li>• S340XI-12255SE</li> </ul>

## Additional Resources

### Software Downloads

Software is available for download from the following sites:

<http://www.cisco.com/cisco/web/download/index.html>

- 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. Note that the Cisco Advanced IP Services license is available only in cryptographic format.

### Product Information

Additional product information is available at the following sites:

- Cisco Catalyst 3750 Metro Series Switches:  
<http://www.cisco.com/go/catalyst3750metro>
- Cisco ME 3400 Series Switches:  
<http://www.cisco.com/en/US/products/ps6580/index.html>
- Cisco ME 3400E Series Switches:  
<http://www.cisco.com/en/US/products/ps9637/index.html>
- Cisco Catalyst 3750 Metro Series and Cisco ME 3400E and 3400 Series release notes:  
[http://www.cisco.com/en/US/products/hw/switches/ps5532/prod\\_release\\_notes\\_list.html](http://www.cisco.com/en/US/products/hw/switches/ps5532/prod_release_notes_list.html)  
[http://www.cisco.com/en/US/partner/products/ps6580/prod\\_release\\_notes\\_list.html](http://www.cisco.com/en/US/partner/products/ps6580/prod_release_notes_list.html)  
[http://www.cisco.com/en/US/partner/products/ps9637/prod\\_release\\_notes\\_list.html](http://www.cisco.com/en/US/partner/products/ps9637/prod_release_notes_list.html)

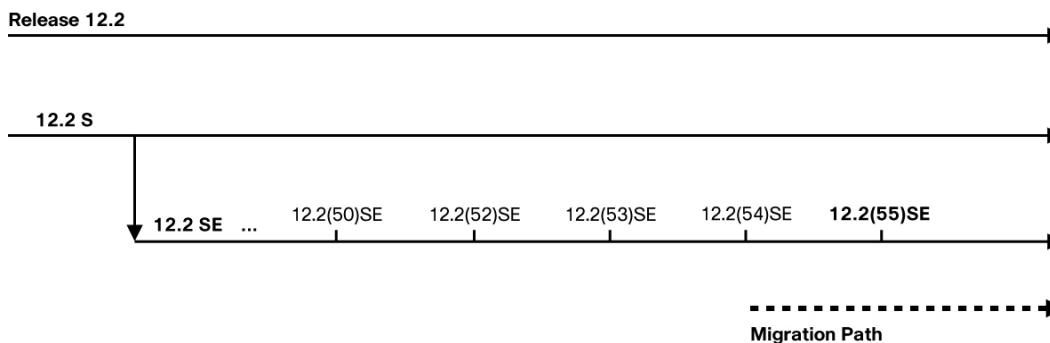
## Support

Cisco IOS Software Release 12.2(55)SE follows the standard Cisco support policy. For more information, visit [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(55)SE functions for Releases 12.2S and 12.2SE and identifies the recommended migration path.

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



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