



# Cisco IOS Software Release 12.2(58)EX for Cisco ME 3400 and ME 3400E Series Ethernet Access Switches

Cisco announces Cisco IOS® Software updates for Cisco® ME 3400 and ME 3400E Series Ethernet Access Switches. This release advances Cisco's leadership role by providing support for ITU Y.1731 Performance Management (PM) Delay Measurement and flexible quality-of-service (QoS) buffer management.

This product bulletin contains content and delivery information for Cisco IOS Software Release 12.2(58)EX.

## New Features

The following new features are available with Cisco IOS Software Release 12.2(58)EX for Metro Ethernet switches:

- **Y.1731 PM Delay Measurement Message (DMM) and Delay Measurement Response (DMR):** Allows service providers to measure the packet delay in their networks and helps ensure customer service-level agreements (SLAs) are met
- **Flexible QoS buffer management:** Provides customers with more flexibility in managing egress buffers to handle the increasing burst traffic pattern in today's networks

Table 1 lists product support for new features in Cisco IOS Software Release 12.2(58)EX.

**Table 1.** New Feature Support

	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
Y.1731 PM DMM and DMR	Yes	Yes	Yes	Yes	No
Flexible QoS buffer management	Yes	Yes	Yes	Yes	Yes

## Supported Products

Table 2 lists the part numbers for the Metro Ethernet switches supported in Release 12.2(58)EX.

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

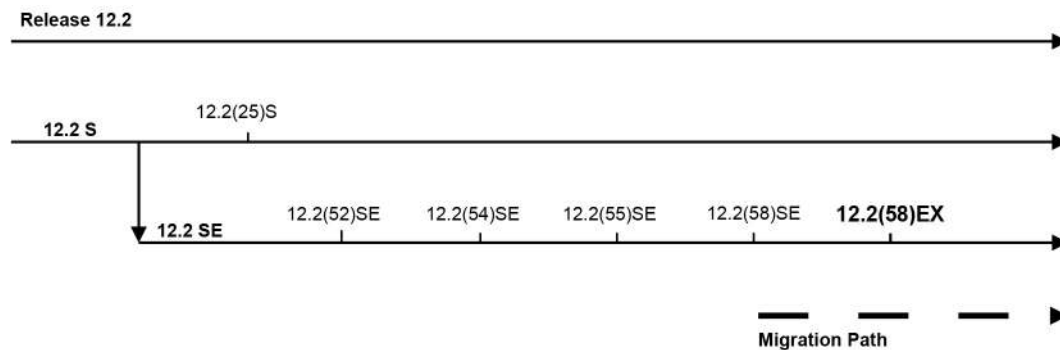
Cisco ME 3400E Series Switches and Software Images	Cisco ME 3400 Series Switches and Software Images
<ul style="list-style-type: none"><li>• ME-3400E-24TS-M</li><li>• ME-3400EG-12CS-M</li><li>• ME-3400EG-2CS-A</li><li>• S340XA-12258EX</li><li>• S340XI-12258EX</li><li>• CD-ME3400-A2I=</li></ul>	<ul style="list-style-type: 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-12258EX</li><li>• S340XA-12258EX</li></ul>

Cisco ME 3400E Series Switches and Software Images	Cisco ME 3400 Series Switches and Software Images
	<ul style="list-style-type: none"> <li>S340XI-12258EX</li> </ul>

## Software Image Upgrade Path

Figure 1 displays Cisco IOS Software Release 12.2(58)EX functions for Releases 12.2S and 12.2SE and identifies the recommended migration path.

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



## Support

Cisco IOS Software Release 12.2(58)EX follows the standard Cisco support policy. For more information, visit [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).

## Additional Resources

- Software downloads: [www.cisco.com/cisco/web/download/index.html](http://www.cisco.com/cisco/web/download/index.html)
- Cisco IOS Software upgrade planner: [www.cisco.com/cgi-bin/Software/iosplanner/Planner-tool/iosplanner.cgi?majorRel=](http://www.cisco.com/cgi-bin/Software/iosplanner/Planner-tool/iosplanner.cgi?majorRel=)
- Guest-level access planner: [www.cisco.com/kobayashi/sw-center/index.shtml](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.

## For More Information

Additional product information is available at the following sites:

- Cisco ME 3400 Series Ethernet Access Switches: [www.cisco.com/en/US/products/ps6580/index.html](http://www.cisco.com/en/US/products/ps6580/index.html)
- Cisco ME 3400E Series Ethernet Access Switches: [www.cisco.com/en/US/products/ps9637/index.html](http://www.cisco.com/en/US/products/ps9637/index.html)
- Cisco ME 3400E and 3400 Series Release Notes: [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)  
[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)



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