

Cisco IOS Software Release 12.0(7)XE1 for the Cisco 7100, 7200 and 7500 Series Routers

Introduction

This product bulletin describes the content and delivery of Cisco IOS® Software Release 12.0(7)XE1 on the Cisco 7100, 7200, and 7500 Series routers. Cisco IOS Release 12.0(7)XE included images for the Catalyst 6000 series only, and release 12.0(7)XE1 introduces images for the Cisco 7100, 7200, and 7500 Series routers in addition to images for the Catalyst 6000 series.

Cisco IOS 12.0XE releases are short-lived early deployment (ED) releases based on Release 12.0T. 12.0XE releases, which support Cisco 7100, 7200, 7500, and Catalyst 6000 platforms, are created when needed to make features, interfaces, and platforms available before they appear in a subsequent 12.0T or 12.1-based release. 12.0XE releases should be chosen when support for these new features is required; if all required features are already available in a 12.0T release, 12.0T is generally recommended. Cisco IOS 12.0XE releases do not receive regular maintenance updates, and customers should migrate to a subsequent 12.1E or 12.1T release to receive maintenance releases.

This document should be used in conjunction with “Cisco IOS Software Release 12.0T,” Product Bulletin #815, at:

http://www.cisco.com/warp/public/cc/cisco/mkt/ios/rel/120/prodlit/815_pb.htm

For information about the Cisco IOS software release process, please see “Types of Cisco IOS Software Releases,” Product Bulletin #537, at:

http://www.cisco.com/warp/public/cc/cisco/mkt/ios/rel/prodlit/537_pp.htm

Before deploying a new software release in a production network, always consult appropriate product-specific documentation, release notes, and field notices, refer to the online defect tracking system, and perform acceptance testing in your own test environment.

Support

Release 12.0(7)XE1 supports the policy listed in the Cisco Systems Product Support Policy publication at:

<http://www.cisco.com/warp/customer/437/27.html>

New Features in Cisco IOS Release 12.0(7)XE1

For the Cisco 7100, 7200, and 7500 Series routers, Cisco IOS Software Release 12.0(7)XE1 includes the new features listed in Table 1.

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Page 1 of 4



Table 1 New Features in Cisco IOS Release 12.0(7)XE1 on the Cisco 7100, 7200, and 7500 Series Routers

Release	Feature
12.0(7)XE1	<ul style="list-style-type: none"> OC-12c Dynamic Packet Transport (DPT) Interface Processor for Cisco 7500 series OC-12c Dynamic Packet Transport (DPT) Port Adapter for Cisco 7200 and Cisco 7200VXR series Inverse multiplexing over ATM (IMA) port adapters (PA-A3-8T1IMA and PA-A3-8E11IMA) on Cisco 7100 series 2-port multichannel T3 port adapter (PA-MC-2T3+) Distributed Weighted Fair Queueing (dWFQ) for Resource Reservation Protocol (RSVP) support for Cisco 7500 Fast EtherChannel enhancements for Cisco 7200 series Inverse Multiplexing over ATM (IMA) enhancements Network-Based Application Recognition (NBAR) enhancements Low-Latency Queueing for the Versatile Interface Processor enhancement Multi-Channel T3 Synchronous Serial Port Adapter enhancement MPLS Class of Service Classification using MPLS Experimental Bits Cisco IOS Firewall Feature Set for Cisco 7100 and 7200

Migration Guide

Table 2 maps Cisco IOS Software Release 12.0(7)XE functionality to subsequent Cisco IOS releases, illustrating the recommended migration path for maintenance releases.

Table 2 Cisco IOS Release 12.0(7)XE Migration Paths

Functionality in Release:	Is next available in Release:
12.0(7)XE	12.0(7)XE1 12.1(1)E 12.1(3)T 12.2(1) 12.2(2)T
12.0(7)XE1	12.1(1)E 12.1(3)T 12.2(1) 12.2(2)T

Detailed Information

For more detailed information about platforms and features delivered in Cisco IOS Software Release 12.0(7)XE1, please refer to the 12.0XE release notes at:

http://www.cisco.com/univercd/cc/td/doc/product/software/ios120/relnote/7000fam/12_0xe/index.htm

For more detailed information about issues affecting 12.0XE releases, refer to the relevant field notices at:

<http://www.cisco.com/warp/customer/770/45.html>

<http://www.cisco.com/warp/customer/770/44.html>

Cisco 7200 Boot Image Issues and Workarounds

Cisco IOS Software maintenance releases 12.0T and 12.0XE boot images for the Cisco 7200 Series router (c7200-boot-mz-*) have outgrown the FLASH SIMM used to store the boot image on Cisco 7200 Series Input/Output Controllers. For detailed information and workarounds, see the Field Notice located at:

http://www.cisco.com/warp/customer/770/fn7771_11161999.shtml

Product Numbers and Descriptions

Table 3 describes the available feature sets, product ordering codes, image names, and memory requirements for Cisco IOS Software Release 12.0(7)XE1 for the Cisco 7100, 7200 and 7500 Series routers.

Table 3 Release 12.0(7)XE1 Feature Sets, Ordering Codes, and Memory Requirements for Cisco 7100, 7200, and 7500 Series Router

Platform	Software Feature Set	Product Code	Image	Flash	DRAM
Cisco 7100	Cisco 7100 series IOS® IP/FW/IDS IPsec 3DES	S71CHK2-12.0.7XE	c7100-ik2o3s-mz	16 MB	64 MB
Cisco 7100	Cisco 7100 series IOS IPsec 3DES	S71CK2-12.0.7XE	c7100-ik2s-mz	16 MB	64 MB
Cisco 7100	Cisco 7100 series IOS IP/FW/IDS	S71CH-12.0.7XE	c7100-io3s-mz	16 MB	64 MB
Cisco 7100	Cisco 7100 series IOS IP/FW/IDS IPsec 56	S71CHL-12.0.7XE	c7100-io3s56i-mz	16 MB	64 MB
Cisco 7100	Cisco 7100 series IOS IP	S71C-12.0.7XE	c7100-is-mz	16 MB	64 MB
Cisco 7100	Cisco 7100 series IOS IPsec 56	S71CL-12.0.7XE	c7100-is56i-mz	16 MB	64 MB
Cisco 7100	Cisco 7100 series IOS Enterprise/FW/IDS IPsec 3DES	S71AHK2-12.0.7XE	c7100-jk2o3s-mz	16 MB	64 MB
Cisco 7100	Cisco 7100 series IOS Enterprise IPsec 3DES	S71AK2-12.0.7XE	c7100-jk2s-mz	16 MB	64 MB
Cisco 7100	Cisco 7100 series IOS Enterprise/FW/IDS	S71AH-12.0.7XE	c7100-jo3s-mz	16 MB	64 MB
Cisco 7100	Cisco 7100 series IOS Enterprise/FW/IDS IPsec 56	S71AHL-12.0.7XE	c7100-jo3s56i-mz	16 MB	64 MB
Cisco 7100	Cisco 7100 series IOS Enterprise	S71A-12.0.7XE	c7100-js-mz	16 MB	64 MB
Cisco 7100	Cisco 7100 series IOS Enterprise IPsec 56	S71AL-12.0.7XE	c7100-js56i-mz	16 MB	64 MB
Cisco 7200	Cisco 7200 series IOS Desktop/IBM/FW/IDS IPsec 3DES	S72BHK2-12.0.7XE	c7200-dk2o3s-mz	16 MB	64 MB
Cisco 7200	Cisco 7200 series IOS Desktop/IBM/FW/IDS	S72BHS-12.0.7XE	c7200-do3s-mz	16 MB	64 MB
Cisco 7200	Cisco 7200 series IOS Desktop/IBM/FW/IDS IPsec 56	S72BHSL-12.0.7XE	c7200-do3s56i-mz	16 MB	64 MB
Cisco 7200	Cisco 7200 series IOS Desktop/IBM	S72BS-12.0.7XE	c7200-ds-mz	16 MB	64 MB
Cisco 7200	Cisco 7200 series IOS Desktop/IBM IPsec 56	S72BSL-12.0.7XE	c7200-ds56i-mz	16 MB	64 MB
Cisco 7200	Cisco 7200 series IOS IP/FW/IDS IPsec 3DES	S72CHK2-12.0.7XE	c7200-ik2o3s-mz	16 MB	64 MB
Cisco 7200	Cisco 7200 series IOS IPsec 3DES	S72CK2-12.0.7XE	c7200-ik2s-mz	16 MB	64 MB
Cisco 7200	Cisco 7200 series IOS IP/FW/IDS	S72CH-12.0.7XE	c7200-io3s-mz	16 MB	64 MB
Cisco 7200	Cisco 7200 series IOS IP/FW/IDS IPsec 56	S72CHL-12.0.7XE	c7200-io3s56i-mz	16 MB	64 MB
Cisco 7200	Cisco 7200 series IOS IP	S72C-12.0.7XE	c7200-is-mz	16 MB	64 MB
Cisco 7200	Cisco 7200 series IOS IPsec 56	S72CL-12.0.7XE	c7200-is56i-mz	16 MB	64 MB
Cisco 7200	Cisco 7200 series IOS Enterprise/FW/IDS IPsec 3DES	S72AHK2-12.0.7XE	c7200-jk2o3s-mz	16 MB	64 MB
Cisco 7200	Cisco 7200 series IOS Enterprise IPsec 3DES	S72AK2-12.0.7XE	c7200-jk2s-mz	16 MB	64 MB
Cisco 7200	Cisco 7200 series IOS Enterprise/FW/IDS	S72AH-12.0.7XE	c7200-jo3s-mz	16 MB	64 MB

Platform	Software Feature Set	Product Code	Image	Flash	DRAM
Cisco 7200	Cisco 7200 series IOS Enterprise/FW/IDS IPsec 56	S72AHL-12.0.7XE	c7200-jo3s56i-mz	16 MB	64 MB
Cisco 7200	Cisco 7200 series IOS Enterprise	S72A-12.0.7XE	c7200-js-mz	16 MB	64 MB
Cisco 7200	Cisco 7200 series IOS Enterprise IPsec 56	S72AL-12.0.7XE	c7200-js56i-mz	16 MB	64 MB
Cisco RSP7000 /7500	Cisco RSPx series IOS Desktop/IBM	S75BS-12.0.7XE	rsp-dsv-mz	16 MB	64 MB
Cisco RSP7000 /7500	Cisco RSPx series IOS Desktop/IBM IPsec 56	S75BSL-12.0.7XE	rsp-dsv56i-mz	16 MB	64 MB
Cisco RSP7000 /7500	Cisco RSPx series IOS IPsec 3DES	S75CK2-12.0.7XE	rsp-ik2sv-mz	16 MB	64 MB
Cisco RSP7000 /7500	Cisco RSPx series IOS IP	S75C-12.0.7XE	rsp-isv-mz	16 MB	64 MB
Cisco RSP7000 /7500	Cisco RSPx series IOS IPsec 56	S75CL-12.0.7XE	rsp-isv56i-mz	16 MB	64 MB
Cisco RSP7000 /7500	Cisco RSPx series IOS Enterprise IPsec 3DES	S75AK2-12.0.7XE	rsp-jk2sv-mz	16 MB	64 MB
Cisco RSP7000 /7500	Cisco RSPx series IOS Enterprise	S75A-12.0.7XE	rsp-jsv-mz	16 MB	64 MB
Cisco RSP7000 /7500	Cisco RSPx series IOS Enterprise IPsec 56	S75AL-12.0.7XE	rsp-jsv56i-mz	16 MB	64 MB



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