

Cisco IOS Software Release 12.0(2)XH

Introduction

This Product Bulletin describes the new features introduced in Cisco IOS(TM) software release 12.0(2)XH. It should be used in conjunction with Product Bulletin titled, Cisco IOS Software Release 12.0T.

New Features

12.0(2)XH is an Early Deployment (ED) release. This release is focused on delivering new voice features for the Cisco AS5300 to market. Any ED release of software should be utilized first in a test network before being deployed in a production network.

The features delivered with this ED release will be immediately incorporated into the 12.0(5)T release and subsequent 12.0T releases. As such, maintenance for both of these platforms should be obtained from the 12.0T release. For more information about the Cisco IOS software release process, please see Product Bulletin #537.

Detailed Information

12.0(2)XH delivers support for the next generation voice DSP (DSPM-549) on the existing Voice Feature carrier card in the AS5300 platform. This release doubles the number of T1/E1/PRI ports supported, from the previous two T1/E1/PRI limit, to four. In other words, the AS5300 will now support up to 96 voice calls in T1/PRI configurations or up to 120 voice calls in E1/PRI configurations - when configured with AS53-VOXD (T1 549-based) voice cards and 12.0(2)XH or higher. Also delivered is initial support for the G.723.1 and G.729a voice coders, out of band DTMF transport for coders that don't transport DTMF well, and codec negotiation. For more detailed information about the platforms and features being delivered in 12.0(2)XH, please reference the following document:

- Release Notes for Cisco AS5300 for Cisco IOS Release 12.0(2)XH

Product Numbers and Descriptions

Cisco IOS Software Release 12.0(2)XH can be ordered using the following product numbers.

Table 1 12.0(2)XH Product Numbers and Descriptions

Product Number	Description
S53BVP-12.0.2XH	Cisco AS5300 Series IOS DESKTOP VOICE PLUS
S53CVP-12.0.2XH	Cisco AS5300 Series IOS IP VOICE PLUS
S53AVP-12.0.2XH	Cisco AS5300 Series IOS ENTERPRISE VOICE PLUS
S53BVP-12.0.2XH=	Cisco AS5300 Series IOS DESKTOP VOICE PLUS (spare)

Product Number	Description
S53CVP-12.0.2XH=	Cisco AS5300 Series IOS IP VOICE PLUS (spare)
S53AVP-12.0.2XH=	Cisco AS5300 Series IOS ENTERPRISE VOICE PLUS (spare)
FL53-V=	Cisco AS5300 Series IOS VOICE (feature licence)

Feature Sets, Images and Minimum Memory Requirements

Each of the 12.0(2)XH images has a minimum memory requirement for flash and DRAM.

Table 2 AS5300 Feature Sets, Images, and Memory Requirements

AS5300 Feature Sets	Images	Flash	DRAM
IP Voice Plus	c5300-is-mz	16MB	64MB
Desktop Voice Plus	c5300-ds-mz	16MB	64MB
Enterprise Voice Plus	c5300-js-mz	16MB	64MB



Corporate Headquarters

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
<http://www.cisco.com>
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 526-4100

European Headquarters

Cisco Systems Europe s.a.r.l.
Parc Evolic, Batiment L1/L2
16 Avenue du Quebec
Villebon, BP 706
91961 Courtaboeuf Cedex
France
<http://www-europe.cisco.com>
Tel: 33 1 6918 61 00
Fax: 33 1 6928 83 26

Americas Headquarters

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
<http://www.cisco.com>
Tel: 408 526-7660
Fax: 408 527-0883

Asia Headquarters

Nihon Cisco Systems K.K.
Fuji Building, 9th Floor
3-2-3 Marunouchi
Chiyoda-ku, Tokyo 100
Japan
<http://www.cisco.com>
Tel: 81 3 5219 6250
Fax: 81 3 5219 6001

Cisco Systems has more than 200 offices in the following countries. Addresses, phone numbers, and fax numbers are listed on the Cisco Connection Online Web site at <http://www.cisco.com>.

Argentina • Australia • Austria • Belgium • Brazil • Canada • Chile • China (PRC) • Colombia • Costa Rica • Czech Republic • Denmark • England • France • Germany • Greece • Hungary • India • Indonesia • Ireland • Israel • Italy • Japan • Korea • Luxembourg • Malaysia • Mexico • The Netherlands • New Zealand • Norway • Peru • Philippines • Poland • Portugal • Russia • Saudi Arabia • Scotland • Singapore • South Africa • Spain • Sweden • Switzerland • Taiwan, ROC • Thailand • Turkey • United Arab Emirates • United States • Venezuela

Copyright © 1998 Cisco Systems, Inc. All rights reserved. Printed in USA. AccessPath, AtmDirector, the CCIE logo, CD-PAC, Centri, Centri Bronze, Centri Gold, Centri Security Manager, Centri Silver, the Cisco Capital logo, Cisco IOS, the Cisco IOS logo, CiscoLink, the Cisco NetWorks logo, the Cisco Powered Network logo, the Cisco Press logo, ClickStart, ControlStream, Fast Step, FragmentFree, IGX, JumpStart, Kernel Proxy, LAN-LAN Enterprise, LAN-LAN Remote Office, MICA, Natural Network Viewer, NetBeyond, Netsys Technologies, Packet, PIX, Point and Click Internetworking, Policy Builder, RouteStream, Secure Script, SMARTnet, StrataSphere, StrataSphere BILLder, StrataSphere Connection Manager, StrataSphere Modeler, StrataSphere Optimizer, Stratum, StreamView, SwitchProbe, The Cell, TrafficDirector, VirtualStream, VlanDirector, Workgroup Director, Workgroup Stack, and XCI are trademarks; Empowering the Internet Generation and The Network Works. No Excuses. are service marks; and BPX, Catalyst, Cisco, Cisco Systems, the Cisco Systems logo, EtherChannel, FastHub, FastPacket, ForeSight, IPX, LightStream, OptiClass, Phase/IP, StrataCom, and StrataView Plus are registered trademarks of Cisco Systems, Inc. in the U.S. and certain other countries. All other trademarks mentioned in this document are the property of their respective owners. 9802R