

Cisco IOS Software Release 12.0(4)XH

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Early Deployment (ED) Release Summary

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Description	<p>Cisco IOS® Software Release 12.0(4)XH is a short-lived ED based on Cisco IOS 12.0(4)T that introduces support for Test Command Language (TCL) scripting language and enhanced voice features on the Cisco 5300, 2600, and 3600. TCL scripting provides a flexible way to create, update, and modify the Interactive Voice Response (IVR) call flow. Cisco IOS Software Release 12.0(4)XH also introduces the Pre-Paid (DebitCard) application that adds the ability to perform pre-paid calling services. Calls are pre-rated and terminated at the end of the talk time. Cisco has also expanded RADIUS Authentication, Authorization, and Accounting (AAA) to support Vendor Specific Attributes (VSAs). Finally, Cisco IOS Software Release 12.0(4)XH integrates Open Settlement Protocol (OSP) client software that enables Service Providers to use Cisco Open Packet Telephony to communicate directly with a clearing house. OSP is an ETSI TIPHON-approved standard.</p> <p>For more information, see the following pages:</p> <ul style="list-style-type: none">• Cisco IOS Release Software Release 12.0(4)XH Product Bulletin• New Features in 12.0T• Cisco IOS Software Release 12.0• Cisco IOS Software Release 12.0 Product Bulletin• New Feature Descriptions• Cisco IOS Software Release Dates and Milestones
Target Market	<p>Cisco Systems, Inc. released Cisco IOS Software Release 12.0(4)XH as a short-lived ED release for the Cisco AS5800, 2600, and 3600 series routers.</p>
Product Support	<p>Cisco IOS Software Release 12.0(4)XH supports the Cisco AS5800, 2600, and 3600 platforms.</p>
Related Cisco IOS Releases	<p>The short-lived ED releases are based on Cisco IOS Software Release 12.0T and do not provide synchronized maintenance releases.</p>
Product/Feature Integration	<p>Short-lived ED or X releases introduce specific features or new platforms to the marketplace prior to their integration into a major Cisco IOS technology release. Cisco IOS ED releases are based on Cisco IOS Software Release 12.0T. For more information, see the following pages:</p> <ul style="list-style-type: none">• Guide to Cisco IOS Release Naming• New Features in 12.0-Based Limited Lifetime Releases• Cisco IOS Software Release 12.0• Cisco IOS Software Release 12.0 Product Bulletin
	<p>Cisco IOS Software Release 12.0(4)XH is a short-lived release and does not provide maintenance releases. If needed, critical bug fixes will be provided in software rebuilds that will use the following naming convention: Cisco IOS Software Release 12.0(4)XH1, 12.0(4)XH2, and so on.</p>

Maintenance Releases					
Interim Builds	<p>Cisco IOS Software Release 12.0(4)XH will not provide interim builds.</p> <p>Interim builds are not recommended and are not fully tested. Customers will only be provided with interim builds when a critical defect renders the maintenance release unusable.</p>				
Maintenance Release Synchronization Points	<p>Cisco IOS short-lived ED or X releases do not provide scheduled maintenance releases.</p> <table border="1"> <thead> <tr> <th>Pulled From</th> <th>Merging To</th> </tr> </thead> <tbody> <tr> <td>Cisco IOS Software Release 12.0(4)T</td> <td>Cisco IOS Software Release 12.0(6)T</td> </tr> </tbody> </table> <p>For more information, see the Projected Release Dates for Cisco IOS Software Product Bulletin.</p>	Pulled From	Merging To	Cisco IOS Software Release 12.0(4)T	Cisco IOS Software Release 12.0(6)T
Pulled From	Merging To				
Cisco IOS Software Release 12.0(4)T	Cisco IOS Software Release 12.0(6)T				
Recommended Migration	<p>Features of Cisco IOS Software Release 12.0(4)XH will be ported to Cisco IOS 12.0(6)T.</p> <p>The migration path is the logical superseding software. The uniqueness of each network requires that customers verify support for hardware, features, and protocols prior to a massive network upgrade. For more information, see the Projected Release Dates for Cisco IOS Software Software Bulletin.</p>				
Year 2000 (Y2K) Compliant	Cisco IOS Software Release 12.0(4)XH is Y2K compliant.				
General Deployment (GD) Plan	Cisco IOS Software Release 12.0(4)XH is not targeted for GD certification.				
Life Cycle	Cisco IOS Software Release 12.0(4)XH is an XED release offering new features, platforms, or interface support. It has a short engineering life span with a migration path to Cisco IOS Software Release 12.0(6)T.				
Comments	<p>For more information, see the following pages:</p> <ul style="list-style-type: none"> • Cisco IOS Field Notices 				

Support Pages:

- Release Notes for Cisco AS5800 Universal Access Servers for Cisco IOS Release 12.0 XH
- Release Notes for 2600 on 12.0(4)XH
- Release Notes for 3600 on 12.0(4)XH
- Product Bulletins

