

Cisco IOS Software Release 12.0ST

Document ID: 23181

Early Deployment (ED) Release Summary

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Description of the Release	<p>The Cisco IOS® Software Release 12.0ST Early Deployment (ED) release train is the support vehicle for Tag Switching or Multi-Protocol Label Switching (MPLS) functionality. Cisco IOS Software Release 12.0ST is directly based on the Cisco IOS Software Release 12.0S software branch and, therefore, includes all of the features that are part of the Cisco IOS Software Release 12.0S ISP release. Cisco IOS Software Release 12.0ST will also continue to synchronize with Cisco IOS Software Release 12.0S in an effort to inherit bug fixes committed to the parent branch. The following features characterize the first release of Cisco IOS Software Release 12.0ST.</p> <p>Refer to the Cisco IOS 12.0(11)ST Product Bulletin for new features that are targeted for 12.0(11)ST.</p> <p>Refer to the Cisco IOS 12.0(14)ST Product Bulletin for new features that are targeted for 12.0(14)ST.</p> <p>In addition to these specific MPLS features, Cisco IOS Software Release 12.0 ST will support all MPLS features currently shipping in the Cisco IOS Software Release 12.0S. These include basic MPLS (label switching and label imposition/disposition on Engine 0, 1, and 2) and MPLS Traffic Engineering (both OSPF and IS-IS on Engine 0, 1, and 2 POS interfaces only). Cisco IOS Software Release 12.0ST is the logical superset of Cisco IOS Software Release 12.0 Mainline, which introduced Tag Switching to the marketplace, and Cisco IOS Software Release 12.0S. Cisco IOS Software Release 12.0ST was created from Cisco IOS Release 12.0S to take advantage of the latest scalability functions built into the Cisco IOS Software Release 12.0S code base.</p>									
Product and Feature Support	<p>Cisco IOS Software Release 12.0ST supports the 12000, RSP7500, and 7200 Series routers.</p> <table border="1" data-bbox="440 1522 1444 1984"><thead><tr><th data-bbox="440 1522 842 1598">Product/Feature</th><th data-bbox="842 1522 1153 1598">Image Name</th><th data-bbox="1153 1522 1444 1598">Memory Requirements</th></tr></thead><tbody><tr><td data-bbox="440 1598 842 1921">Cisco 7200, RSP7500, and GSR12000</td><td data-bbox="842 1598 1153 1921">c7200-p-mz c7200-k3p-mz c7200-k4p-mz rsp-pv-mz rsp-k3pv-mz rsp-k4pv-mz gsr-p-mz gsr-k3p-mz gsr-k4p-mz</td><td data-bbox="1153 1598 1444 1921">Release Notes</td></tr><tr><td data-bbox="440 1921 842 1984">Cisco ESR 10000 released First</td><td data-bbox="842 1921 1153 1984">c10k-k4p6-mz</td><td data-bbox="1153 1921 1444 1984">Release Notes</td></tr></tbody></table>	Product/Feature	Image Name	Memory Requirements	Cisco 7200, RSP7500, and GSR12000	c7200-p-mz c7200-k3p-mz c7200-k4p-mz rsp-pv-mz rsp-k3pv-mz rsp-k4pv-mz gsr-p-mz gsr-k3p-mz gsr-k4p-mz	Release Notes	Cisco ESR 10000 released First	c10k-k4p6-mz	Release Notes
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	on 12.0(17)ST	c10k-p6-mz			
Support Pages	<p>For more information, consult the following web pages:</p> <p>Release Documentation</p> <ul style="list-style-type: none"> • 12.0(11)ST Product Bulletin • 12.0(14)ST Product Bulletin • Cisco 7000 and 12000 12.0ST Release Notes • Cisco IOS Software Release 12.0S Release Notes <p>Other Links</p> <ul style="list-style-type: none"> • Cisco IOS Software Release Field Notices • Cisco IOS Software Release Reference Guide 				
Target Market	Cisco IOS Software Release 12.0ST supports the following platforms: 12000, RSP7500, and 7200 Series routers. It primarily services the ISP and telco market.				
Lifecycle of Release	Cisco IOS Software Release 12.0ST follows the standard Cisco life cycle, see the Cisco IOS Release Lifecycle Matrices.				
	Milestones	Y2K Compliance	Release Designation		
	CCO FCS: MFG FCS: EOS: EOE: EOL:	Yes	ED Release		
Related Cisco IOS Releases	<p>The Cisco IOS Software Release 12.0ST ED release train is based on Cisco IOS Software Release 12.0S. For more information, see the following page.</p> <ul style="list-style-type: none"> • Cisco IOS Software Release 12.0S 				
Maintenance Releases	<p>Maintenance updates for an ED release usually deliver support for additional platforms or features, beyond what was available at the FCS release. While the addition of platforms and features at maintenance releases can have a destabilizing effect on the release, Early Deployment maintenance releases are subject to the same level of testing as the maintenance releases for Major Releases.</p> <table border="1"> <tr> <td>Maintenance Cycle</td> <td>Download Image</td> </tr> </table>			Maintenance Cycle	Download Image
Maintenance Cycle	Download Image				

	7-week maintenance cycle.	
Important Note: This release follows the standard Cisco release process.		

Interim Builds

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.

7-week maintenance cycle:	Cisco IOS Software Release 12.0ST will provide a maintenance release every seven weeks.
13-week maintenance cycle:	Not applicable

Recommended Customer Migration Path

For more information, see the Cisco IOS 12.0 Software Upgrade Planner. The migration path is the logical superseding software. The uniqueness of each network requires that customers verify support for hardware, features, and protocols before a massive network upgrade.

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