

Cisco IOS Software Release 11.2GS

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Early Deployment (ED) Release Summary

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Description	<p>Cisco IOS® Software Release 11.2GS is an early deployment (ED) release delivering support for Cisco 12000 Gigabit Switch Routers (GSRs). Cisco IOS Software Release 11.2GS has been customized to address the unique environment and requirements of Large Enterprise and Internet Service Provider (ISP) customers. For more information, see the following pages:</p> <ul style="list-style-type: none">• Cisco IOS Software Release 11.2GS Product Bulletin• Types of Cisco IOS Software Releases Product Bulletin						
Target Market	<p>Major Internet Service Providers (ISPs) are the target market for Cisco IOS Software Release 11.2GS.</p>						
Product Support	<table border="1"><thead><tr><th data-bbox="520 942 938 1020">Series</th><th data-bbox="938 942 1163 1020">Software Product Number</th><th data-bbox="1163 942 1493 1020">Image Name/Feature Sets Available</th></tr></thead><tbody><tr><td data-bbox="520 1020 938 1171">Cisco 12000 Series (including the Cisco 12008 and 12012)</td><td data-bbox="938 1020 1163 1171"></td><td data-bbox="1163 1020 1493 1171">Service provider (gsr-p-mz) Boot Image (gsr-boot-mz)</td></tr></tbody></table>	Series	Software Product Number	Image Name/Feature Sets Available	Cisco 12000 Series (including the Cisco 12008 and 12012)		Service provider (gsr-p-mz) Boot Image (gsr-boot-mz)
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Related Cisco IOS Releases	<p>Cisco IOS Software Release 11.2GS is based on the Cisco IOS 11.2 major release and is directly parented from Cisco IOS 11.2P.</p> <p>There may be a one-to-one correspondence of Cisco IOS Software Release 11.2GS maintenance releases and maintenance releases for Cisco IOS 11.2 or Cisco IOS 11.2P.</p> <p>Cisco IOS Software Release 11.2GS maintenance releases are created on an as-needed basis, rather than on the regular seven week cycle for Cisco IOS 11.2 and Cisco IOS 11.2P.</p> <p>Only the most recent maintenance release of Cisco IOS Software Release 11.2GS is available through manufacturing. All maintenance releases are available electronically through Cisco Connection Online (CCO).</p> <p>For more information, see the Cisco IOS Software Release 11.2GS Product Bulletin.</p>						
Product/Feature Integration	<p>For more information, see the following pages:</p> <ul style="list-style-type: none">• Cisco 12000 Series Routers• Release Notes for Cisco 12000 Series Gigabit Switch Routers for Cisco IOS Release 11.2 GS						

	<ul style="list-style-type: none"> • Cisco IOS Software Release 11.2GS Product Bulletin 									
Maintenance Releases	<p>Cisco IOS Software Release 11.2GS is based on the Cisco IOS 11.2 major release and is parented directly from the Cisco IOS Software Release 11.2P ED release.</p> <p>Maintenance from Cisco IOS Software Release 11.2P is also synchronized to Cisco IOS 11.2GS; however, synchronizations are not done for every maintenance release of Cisco IOS 11.2P. Maintenance is synchronized to Cisco IOS Software Release 11.2GS from Cisco IOS 11.2P only when necessary to satisfy the unique requirements of the Cisco 12000 series routers. The maintenance performed on Cisco IOS Software Release 11.2 and Cisco IOS 11.2P is constantly evaluated to assess applicability to the Cisco 12000 series routers.</p> <p>As with other ED releases, the maintenance releases are clearly identified by the level of maintenance that has been performed on the underlying release. For example, Cisco IOS Software Release 11.2(9)GS includes all maintenance that has been performed on Cisco IOS 11.2(9) and Cisco IOS 11.2(9)P. It may also include additional maintenance or new functionality specific to Cisco IOS Software Release 11.2GS. For more information, see the Cisco IOS Software Release 11.2GS Product Bulletin.</p>									
Interim Builds	<p>No interims are available through the release process selected. For more information, see the Cisco IOS Software Release 11.2GS Product Bulletin.</p>									
Maintenance Release Synchronization Points	<p>Cisco IOS Software Release 11.2GS provides regular maintenance releases with or without new features.</p> <table border="1"> <thead> <tr> <th>Maintenance Release</th> <th>Additional Features</th> </tr> </thead> <tbody> <tr> <td>Cisco IOS Software Release 11.2(14)GS</td> <td> <ul style="list-style-type: none"> New Buffer Header (Internal software feature) Committed Access Rate/Access Control List (CAR/ACL) on OC48 Route Processor (RP) Redundancy Synchronous Digital Network (SDH) Multiprotocol over ATM Server (MPS) (SDH equivalent of automatic protection switching (APS)) ChSTM4–STM1 (Raptor) </td> </tr> <tr> <td>Cisco IOS Software Release 11.2(15)GS1</td> <td> <ul style="list-style-type: none"> Synchronized to Cisco IOS 11.2(15)P Weighted Random Early Detection (WRED) (without distributed round robin (DRR)) Gig Ethernet (including Inter–Switch Link (ISL) and Hot Standby Routing Protocol (HSRP)) 1483 bridged virtual circuit (VC) encapsulation Frame Relay Switching 4xOC3–ATM Features (Switched Virtual Circuits (SVCs), IP Multicast, permanent virtual circuit (PVC) Operation, Administration, and Maintenance (OAM) Management) APS on OC48 </td> </tr> <tr> <td>Cisco IOS Software Release 11.2(15)GS2</td> <td> <ul style="list-style-type: none"> Gigabit Switch Router (GSR) Alarm Board 8 port Fast Ethernet linecard Spatial Reuse Protocol (SRP) linecard </td> </tr> </tbody> </table>		Maintenance Release	Additional Features	Cisco IOS Software Release 11.2(14)GS	<ul style="list-style-type: none"> New Buffer Header (Internal software feature) Committed Access Rate/Access Control List (CAR/ACL) on OC48 Route Processor (RP) Redundancy Synchronous Digital Network (SDH) Multiprotocol over ATM Server (MPS) (SDH equivalent of automatic protection switching (APS)) ChSTM4–STM1 (Raptor) 	Cisco IOS Software Release 11.2(15)GS1	<ul style="list-style-type: none"> Synchronized to Cisco IOS 11.2(15)P Weighted Random Early Detection (WRED) (without distributed round robin (DRR)) Gig Ethernet (including Inter–Switch Link (ISL) and Hot Standby Routing Protocol (HSRP)) 1483 bridged virtual circuit (VC) encapsulation Frame Relay Switching 4xOC3–ATM Features (Switched Virtual Circuits (SVCs), IP Multicast, permanent virtual circuit (PVC) Operation, Administration, and Maintenance (OAM) Management) APS on OC48 	Cisco IOS Software Release 11.2(15)GS2	<ul style="list-style-type: none"> Gigabit Switch Router (GSR) Alarm Board 8 port Fast Ethernet linecard Spatial Reuse Protocol (SRP) linecard
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	<p>If currently an ISP, Large Enterprise, or Enterprise customer, the recommended upgrade path is Cisco IOS Software Release 12.0S.</p>									

Recommended Migration	The recommended migration path is not very straightforward. Look into the hardware, protocols, and features used along with software defects to verify the above recommendation will work for your unique network.
Year 2000 (Y2K) Compliant	Cisco IOS Software Release 11.2GS is Y2K compliant.
General Deployment (GD) Plan	Cisco IOS Software Release 11.2GS is not targeted for GD.
Life Cycle	Cisco IOS Software Release 11.2GS uses the standard Cisco software cycle.
Comments	

Support Pages:

- Cisco IOS Software Release 11.2GS Product Bulletin
- Release Notes for Cisco 12000 Series Gigabit Switch Routers for Cisco IOS Release 11.2GS
- Cisco IOS Software Release 11.2
- Cisco IOS Release 11.2
- Product Bulletins
- Cisco IOS Field Notices

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