

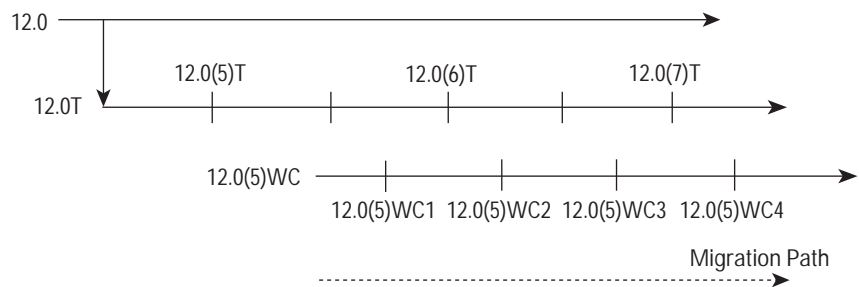
# Cisco IOS Early Deployment Release 12.0(5)WC6

This Product Bulletin describes the content and delivery information concerning Cisco IOS® Software release 12.0(5)WC6. This release is specific for the Long-Reach Ethernet (LRE) solution and should be used by the Catalyst 2900 Series LRE XL switches and not the Catalyst 2900 Series XL and Catalyst 3500 Series XL. For more information about the Cisco IOS Software release process, please see Product Bulletin #537.

## Migration Guide

Diagram 1 below displays Cisco IOS 12.0(5)WC6 release functionality relative to the 12.0 and 12.0T releases. This diagram identifies the recommended migration path for the Catalyst 2900 Series LRE XL switches only. LRE customers should upgrade from 12.0(5)WC4 directly to 12.0(5)WC6.

Figure 1  
Cisco IOS Release 12.0(5)WC Release Train



## New Features in Cisco IOS Release 12.0(5)WC6

This is an Early Deployment release for the following platform: Catalyst 2900 LRE XL. Please note that this release is NOT intended for Catalyst 2900 XL and Catalyst 3500 XL switches. The following features will be delivered in the initial release of Cisco IOS 12.0(5)WC6 and incorporate all new features added from 12.0(5)WC4.

### New Features:

- RADIUS Authentication for switch console
- Port Security MAC Address Aging
- BDPU Guard
- UDLD port auto-recovery



- LRE rate selection: Automates the normally tedious manual process of selecting a profile that can be supported on a given interface
- Cluster Management Suite enhancements for LRE rate selection
- Additional LRE profiles:
  - LRE-15\_5
  - LRE-15\_3
  - LRE-15\_1
  - LRE-8
  - LRE-7
  - LRE-4
  - LRE-4\_1
  - LRE-4\_1LL
  - LRE-3
  - LRE-2
  - LRE-998-15-4-M2 (renamed from PUBLIC-ANSI)
  - LRE-997-10-4-M2 (renamed from PUBLIC-ETSI)
- LRE persistence: LRE link state changes (up/down) are delayed to prevent spanning-tree and MAC address table changes
- Additional MIB Support:
  - ETHER-LIKE-MIB
  - CISCO-VDSL-LINE-MIB
  - IF-MIB (RFC 1573) support for CPE Ethernet ports
  - RMON-MIB (RFC 1757) support for CPE Ethernet ports
- Private VLAN Edge (protected port) for the Fast Ethernet ports on the CISCO585-LRE CPE

#### Detailed Information

For more information about the platforms and features being delivered in Cisco IOS 12.0(5)WC6, refer to the following Release Notes:

[http://www.cisco.com/en/US/products/hw/switches/ps605/prod\\_release\\_notes\\_list.html](http://www.cisco.com/en/US/products/hw/switches/ps605/prod_release_notes_list.html)

#### Support

Cisco IOS Software release 12.0(5)WC6 follows the standard Cisco support policy:

[http://www.cisco.com/en/US/products/products\\_end-of-life\\_policy.html](http://www.cisco.com/en/US/products/products_end-of-life_policy.html)

#### Software Download Information

Customers can download Cisco IOS Release 12.0(5)WC6 software from Cisco in the Software Image Library:

<http://www.cisco.com/public/sw-center/sw-ios.shtml>



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

European Headquarters  
Cisco Systems International BV  
Haarlerbergpark  
Haarlerbergweg 13-19  
1101 CH Amsterdam  
The Netherlands  
www-europe.cisco.com  
Tel: 31 0 20 357 1000  
Fax: 31 0 20 357 1100

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

Asia Pacific Headquarters  
Cisco Systems, Inc.  
Capital Tower  
168 Robinson Road  
#22-01 to #29-01  
Singapore 068912  
www.cisco.com  
Tel: +65 317 7777  
Fax: +65 317 7799

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