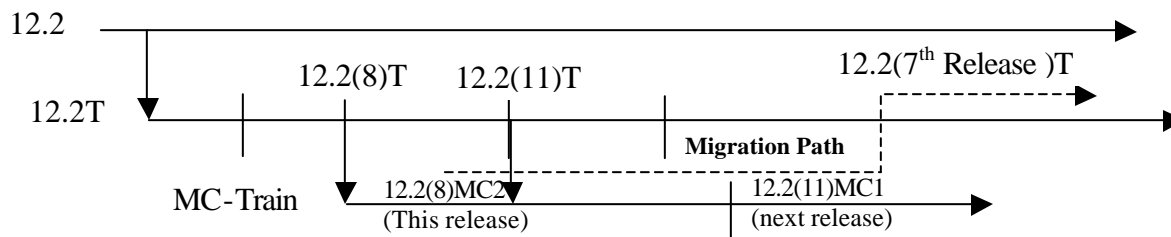# Cisco IOS Early Deployment Release 12.2(8)MC2

## Introduction

**This Product Bulletin describes the content and delivery information concerning Cisco IOS™ software release 12.2(8)MC2. It should be used in conjunction with Product Bulletin titles, Cisco IOS Software Release 12.2(8)T. 12.2(8)MC2 is a short-lived Early Deployment (ED) release parented to 12.2(8)T and supporting the MGX-RPM-1FE-CP back card and the MWR 1900 Mobile Wireless Router.**

### Migration Guide

The diagram below displays Cisco 12.2(8)MC2 release functionality relative to the 12.2T release. This diagram also identifies the recommended migration path.



### New Features in 12.2(8)MC2

12.2(8)MC2 is a maintenance release for the introduction of the MWR 1900 Wireless Edge Router. The new features in this release enable T1/E1 protection switching between two MWR 1900s in a 1:1 redundant configuration; in such deployments, one MWR 1900 is the active router and the other is the standby router. The new features are:

**Redundancy Logic:** HSRP to determine the active/standby router and control the T1/E1 terminations on the VWIC-2MFT-T1-DIRs and VWIC-2MFT-E1-DIRs.

**Failover Logic:** To force a switchover under hardware failures or over temperature conditions on the active MWR 1900 router so that the active router becomes the standby router, and the standby router becomes the active router.

**Relay Control:** To appropriately open and close the T1/E1 interfaces on the VWIC-2MFT-T1-DIRs (or VWIC-2MFT-E1-DIRs) in the active/standby routers so that only one interface is closed at any one time (so that the T1/E1s are not double-terminated).

**Diagnostic Functions:** To monitor the "health" of the standby MWR 1900 router.

For more detailed information about the platforms and features being delivered in 12.2(8)MC2, please reference the following documents:

http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/122relnt/1fecp/122mcrn/122mc2rn/index.htm

http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/122relnt/mwr1900/122mcrn/122mc2rn/index.htm

http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/122newft/122limit/122mc/1228mc2/index.htm

## Support

Cisco IOS software release 12.2(8)MC2 follows the standard Cisco support policy as indicated in the following link:

http://www.cisco.com/warp/public/437/27.html

## Product Numbers

Cisco IOS Release 12.2(8)MC2 Feature Sets, Images, and Memory Recommendations

| Platform | Software Feature Set | Product Code | Image | Flash | DRAM |
|---|---|---|---|---|---|
| MGX-RPM-1FE-CP | MGX back card support | S1FEBS-12208MC2 | rpm-js-mz | N/A | N/A |
| MWR-1900 | Mobile Wireless Edge Router | SM19ER-12208MC2 | mwr1900-i-mz | 32MB | 128MB |

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