



## Introduction

## Migration Guide

The diagram illustrates the migration path for Oracle Database 12.2. It shows a timeline starting with 12.2, which leads to 12.2T. From 12.2T, the path continues through 12.2(4)T and 12.2(8)T to 12.2(4)MB7 (labeled 'this release'). From 12.2(4)MB7, the path leads to 12.2(4)MB8 (labeled 'new features'). A dashed line labeled 'Migration Path' indicates the sequence of updates.

12.2(4)MB7 is a maintenance release for the ITP. This release adds the following capabilities to the IP Transfer Point (ITP) product: support for SIM Authentication/Authorization for Cisco WLAN Solution Architecture, support for the new Route Switch Processor 16 (RSP16) card, and support for the new Versatile Interface Processor 6-80 (VIP6-80) line card for the ITP 7500 platform.



## Key Benefits

SS7oIP frees up link capacity while maintaining stringent levels of reliability and stability that are characteristic of SS7 protocols. SS7oIP will relieve the signaling network from the overwhelming message volume placed on the wireless operators SS7 network in cost-efficient manner. The ITP roadmap provides a migration path to converge today's SS7 and IP networks that is comfortable for the most conservative mobile operator. Moreover, mobile data services require a fundamental shift from legacy mobile core networks to high capacity, high-speed IP networks. The transition to SS7oIP will allow for rapid deployment of emerging IP-based intelligent network applications and services.

The strategic value of ITP is to offer a migration path to an all IP-core network. This systematic approach introduces achievable milestones that utilize existing investments while eliminating further capitol expenditures in legacy equipment and facilities.

The Cisco ITP is based on Cisco's native Cisco IOS Software that resides on proven Cisco high-performance router platforms. Three critical differentiating factors include:

- The Cisco ITP offers high-performance routing with state-of-the-art routing protocols, algorithms, and features (for example, quality of service [QoS]). This performance applies to both IP and Signaling System 7 (SS7) packet throughput. This approach enables revenue-generating IP-based applications by deploying Internet Engineering Task Force (IETF) SS7oIP standards.
- The Cisco ITP is a single device that takes advantage of the economies of scale across the breath of IP platforms, a single network management perspective, space occupancy, power demands, and staffing/training.
- The standards (Signaling Transport [Sigtran])-based offering has great synergy with voice-over –IP (VoIP) solutions that require cost-efficient and high-bandwidth transport of signaling of data in mobile or Public Switched Telephone Network (PSTN) VoIP networks.

For more detailed information about the platforms and features being delivered in 12.2(4)MB5, please reference the following documents:

<http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/122reInt/2600/rn2600mb.htm>

<http://www.cisco.com/univercd/cc/td/doc/product/software/ios/122/122reInt/7000/rn7000mb.htm>

<http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/122newft/122limit/122mb/122mb7/index.htm>

## Support

Cisco IOS software release 12.2(4)MB7 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(4)MB7 Feature Sets, Images, and Memory Recommendations

Platform	Software Feature Set	Product Code	Image	Flash	DRAM
2650	IP Transfer Point	S26ITP-12204MB7	c2600-itp-mz	32MB	64MB
7500-RSP8	IP Transfer Point	S75ITP-12204MB7	rsp-itpv-mz	32MB	128MB
2650	IP Transfer Point	S26ITPSG-12204MB7	c2600-itp-mz	32MB	64MB
7500-RSP8	IP Transfer Point	S75ITPSG-12204MB7	rsp-itpv-mz	32MB	128MB

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