CISCO IOS SOFTWARE FAMILY

Cisco IOS® Software is the world's most widely adopted and deployed network infrastructure software. IOS enables advanced services, solutions, and capabilities end-to-end across IP/MPLS networks, and is currently operating on over ten million active systems ranging from the smallest home office router to the core routing systems of the world's largest service provider networks

The Cisco IOS Software Family consists of IOS T, IOS S, and IOS XR, each of which will continue to deliver innovative, optimized features and services, which address market requirements for scalability, high-availability, security, manageability, and flexibility.

Cisco IOS XR is the newest member of the Cisco IOS Software Family and has been designed to deliver industry-leading IP/MPLS routing features on the multi-terabit, distributed architecture of the Cisco CRS-1 Carrier Routing System.

The key attributes of Cisco IOS XR Software include:

- Support for massively distributed multi-processor, multi-shelf systems
- Microkernel-based distributed operating system infrastructure with a protected memory architecture
- Highly-degree of process granularity and distribution
- Support for Non-Stop Forwarding, Stateful Switchover, and In-Service Software Upgrades
- Modular software packaging
- Simplified management through a comprehensive, embedded management suite which includes Cisco's new XML-based Craft Works Interface (CWI) which provides intuitive visual management

All other Cisco routing platforms will continue to be supported by the other members of the IOS Software Family:

	IOS T	IOS S	IOS XR
Markets	Access Enterprise Managed CPE	Enterprise Core Service Provider Edge Service Provider Core	Terabit-Scale Service Provider Core
Target Market and Applications	Multi-Protocol Routing Security, Firewall, Intrusion Detection IP Telephony Wireless Networking QoS / Service Assurance	High-Performance Platforms Core And Edge IP/ MPLS Routing MPLS Virtual Private Networks Broad Enterprise Feature Sets Redundant Processor Systems	Core IP/MPLS Routing Large-Scale Peering Dedicated IP Infrastructures Pop Consolidation Converged Packet Infrastructures
Platforms	Single-Processor Systems 800, 1700, 2600, 3600, 3700, 7200, 7500	Single- Or Multi-Processor Capable Systems 2950, 3750, 4500, 6500, 7200, 7300, 7600, 10000, 12000	Massively Distributed Multi-Processor Systems CRS-1