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# Carrier Ethernet Services Cisco

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### Carrier Ethernet Services Cisco

#### **Cisco Services for Carrier Ethernet**

Cisco Services for Carrier Ethernet provide a comprehensive suite of service offerings that can be delivered through a flexible engagement process. Flexibility allows for the delivery of Cisco Advanced Services in varying levels of support Advisory—where Cisco advises customers, and Cisco led—where Cisco takes a leadership role in owning

#### **Building Carrier Ethernet Services Using**

Introducing Cisco EVC Framework Functional Highlights Service Abstraction Flexible Service Mapping Standards Alignment Multiplexed Forwarding Services Technology EVC Framework Support mix of Layer 2 and Layer 3 services on same physical port Concurrent support of different flavors of Layer 2 services: Pt-to-Pt and Mpt Ethernet Flow Points

#### **SDN-enabled Carrier Ethernet The Cisco ACE (Agile Carrier ...**

This paper introduces a new SDN-enabled Carrier Ethernet - the ACE (Agile Carrier Ethernet) solution. The ACE solution evolves traditional Carrier Ethernet networks to an SDN enabled programmable network to be capable of delivering all services (Residential, Business, Mobile

#### **VPLS for Carrier Ethernet Services**

VPLS for Carrier Ethernet Services Tim McSweeney Product Manager Source: Cisco MPLS based VPNs: Equivalent to the security of Frame Relay and ATM, Miercom, March 2001, Business Ethernet Services Architecture Large Scale Aggregation Intelligent Edge Multiservice Core Efficient

#### **Introduction to Cisco ASR 9000 Series Network ...**

Introduction to Cisco ASR 9000 Series Network milliseconds for even the most demanding services and scalability needs Cisco nV satellite virtualized access and aggregation: Cisco nV technology lets operators extend Cisco ASR the cost of delivering Ethernet services

**Ethernet Virtual Circuit Framework for Carrier Ethernet ...**

Circuit Framework for Carrier Ethernet Services Vladimir Settey Cisco Expo Slovakia 26th November 2009 generation cross-platform Carrier Ethernet Software Infrastructure Layer 2 P2P services using Ethernet over MPLS Service Instance to EoMPLS PW Layer 2 MP services using VPLS

**Tata Communications and Cisco ASR 9000—**

Tata Communications and Cisco ASR 9000— leading platform is custom-designed to address the needs of next-generation carrier Ethernet services as described earlier and lies at the heart of Tata Communications' new network

**Cisco ASR 920 Series Aggregation Services Routers: High ...**

Powered by the Cisco Carrier Ethernet ASIC Powered by the Cisco Carrier Ethernet application-specific integrated circuit (ASIC), which was designed specifically for service providers, ASR 920 routers deliver essential Carrier Ethernet technologies, including hierarchical quality of service (HQoS), MPLS, and Virtual Private LAN Services (VPLS)

**Layer 2 VPN Concepts - cisco.com**

(NGN) Carrier Ethernet Design The IP NGN Carrier Ethernet Design represents key elements of the Cisco IP NGN architecture that enable a best-in-class implementation for consistent service delivery optimized to meet the specific demands of each service It is the end-to-end service transport foundation from the network access to the IP/MPLS core

**Carrier Ethernet Essentials - Fujitsu**

- The Carrier Ethernet network serves many organizations
- The Carrier Ethernet network is outside the building across a wide area IP Network & Services Carrier Ethernet Network Figure 3: Carrier Ethernet Network Carrier Ethernet Ecosystem The MEF defines Carrier Ethernet based on five attributes as illustrated in Figure 4

**Cisco ASR 9000 Series Aggregation Services Routers**

9000 Series Router, which is designed to address the Carrier Ethernet foundation for visual networking The Cisco ASR 9000 further enhances the IP Next-Generation Network (NGN) Carrier Ethernet design for converged, resilient, intelligent, and scalable services transport of consumer, business, wholesale, and mobile services Carrier Ethernet

**MEF 7.3 - Carrier Ethernet Service Information Model**

Cisco XO Communications 2 Abstract This specification describes the MEF Carrier Ethernet Service Management Information Model s This model identifies and defines the information necessary to manage the Carrier Ethernet services as defined by the MEF, including EVC ...

**Metro Ethernet Services - A Technical Overview**

Metro Ethernet Services - A Technical Overview Ralph Santitoro Introduction This white paper provides a comprehensive technical overview of Ethernet services, based on the work (as of April 2003) of the Metro Ethernet Forum (MEF) Technical Committee The paper is intended to help buyers and users of Ethernet services understand the

**Cisco ME 3600X Series Ethernet Access Switches**

Cisco ME 3600X Series Ethernet Access Switches Product Overview The Cisco® ME 3600X Series of Ethernet Access Switches is Cisco's first series of switches built specifically for the convergence of wireless and wire-line services A natural evolution to Cisco's Carrier Ethernet portfolio, the Cisco ME

**Cisco ASR 920 Series Aggregation Services Router Data Sheet**

the timing services, the Cisco ASR 920 Router can be deployed in small and outdoor environments due to its shallow depth and robust construction designed for extended temperature ranges Metro Ethernet Access The Cisco ASR 920 Router is built to meet service provider requirements for ...

#### **Benefits of Ethernet OAM in Monitoring of Carrier Ethernet ...**

Ethernet OAM Decoded IEEE 8023ah (clause 57) Ethernet Link OAM Also referred as 8023 OAM, Link OAM or Ethernet in the First Mile (EFM) OAM IEEE 8021ag (2007) Connectivity Fault Management (CFM) Also referred as Service OAM ITU-T Y1731 OAM functions and mechanisms for Ethernet-based networks MEF E-LMI Ethernet Local Management Interface

#### **MEF Carrier Ethernet Certified Professional (MEF-CECP ...**

MEF Carrier Ethernet Certified Professional (MEF-CECP) Classroom Training Program shaping tomorrow with you Fujitsu offers a comprehensive, five-day MEF-CECP Exam Preparation course at its Richardson, Texas training facility, or at your choice of location This course provides a thorough knowledge of MEF Carrier

#### **Cisco ASR 900 Series Route Switch Processor Data Sheet**

networks, from Carrier Ethernet technologies to advanced services such as Multiprotocol Label Switching (MPLS) Its three models help providers add innovative traffic management and intelligent packet-switching and routing features The models include the Cisco ASR 900 Series Route Switch Processor 1 (RSP1A/B), the Cisco

#### **Cisco 7600 Series Routers Cisco 7600 Series: Ethernet ...**

Cisco 7600 Series: Ethernet Services 20G Line Cards for Carrier Ethernet The Cisco ® 7600 Series Ethernet Services 20 Gbps (ES20) Line Cards utilize an extensible design that enables service prioritization for voice, video, data, and wireless mobility services Service provider and enterprise customers benefit from the improved economics