CHINA TELECOM
AMERICAS

MPLS VPN

MULTI-PROTOCOL LABEL SWITCHING VPN
FROM CHINA TELECOM AMERICAS

China Telecom's MPLS VPN services are the ultimate cost-effective solutions for business communication needs, offering the security, reliability, capacity and coverage you need while avoiding the high costs of dedicated private international lease lines.

Running on China Telecom's next generation CN2 IPv6-capable backbone network, our MPLS-optimized architecture is built to meet the demands of globally distributed, Internet-based, mission-critical applications.

Our MPLS VPN solution enable Point-to-Point, Star and Full-Mesh private network solutions based on industry-leading technology for secure transmission of bandwidth-intensive, real-time data between the Americas and China. The flexibility and scalability of the network architecture allows for easy configuration as your communication needs grow in complexity, volume, and topology.

About China Telecom Americas

China Telecom Americas, a wholly-owned US-based subsidiary of China Telecom Corp. Ltd. (NYSE: CHA), is an international telecom provider for data, IP and voice wholesale services to multinational companies, organizations and international carriers requiring China domestic services and international access to China & throughout Asia-Pacific.

With headquarters in Herndon, Virginia and offices in Chicago, Los Angeles, New York, San Jose and sub-sidiaries in Toronto and São Paulo, China Telecom Americas continues to expand its strength and reach to serve our growing customer base with locally-based, one-stop-shop, turn-key solutions for everything from China domestic and international data circuits to IDC services, network management, equipment manage-ment, system integration and more.

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Overview

China Telecom MPLS VPN services refer to secure data transmission services incorporating Multiple Protocol Label Switching (MPLS) and RFC2547bis based standards to establish a logical connection between two or more nodes, thus enabling customers to create a virtual private network. The natural choice for exploring new and richer IP service offerings, MPLS offers private networking over private and public IP infrastructures. China Telecom Americas' MPLS VPN provides our customers with the ability to outsource the management of their secure Intranet solutions, replacing legacy technologies that are often more expensive and more difficult to manage.

Our MPLS VPN is built on a single IP network. It is the only MPLS VPN solution that can seamlessly connect your locations in the Americas and China via our network PoPs. Our MPLS VPN offers scalability, security, reliability, and quality guarantees that are strictly channeled via MPLS tunnels within CHINANET and CN2 networks. Our MPLS VPN is fully owned, managed, and monitored by China Telecom with worldwide VPN network coverage and 100% VPN network coverage in over 300 major cities in China.

Benefits

- Expansive - greatest network coverage in all provinces in China
- Direct - single network between the Americas and China
- Scalable - high scalability to support rapid VPN expansion
- Monitored - 24x7 Dual Network Operations Centers (NOCs)
- Easy - one point of contact for all of your services
- Flexible - total "turn-key" solution with our Managed Router Service
- Dependable - Industry leading Service Level Agreement
- Trackable - usage and SLA reporting

Features

- Network-Based IP VPN Service
- IPVPN Equipment Located at CT PoPs
- Seamlessly integrates public and private networking
- Faster and Simpler Service Provisioning
- Variable access speeds (Nx64, T1, DS-3, OC-3, Fast Ethernet and Gigabit Ethernet)
- BGP4 + MPLS enabled
- Network to Network Interface (NNI) Connection
- Variety of logical topologies (Point-to-point, Star, Full mesh)
- SLA Guarantees for bandwidth site-to-site, network availability, packet loss, latency and installation.
- Five Classes of Service (CoS) offered to enable prioritization of traffic for maximum performance
- Virtual Routing
- Real-time traffic reports

China Telecom's Global POP Network

Stockholm, Helsinki, London, Frankfurt, Moscow, Istanbul, Paris, Cairo, Tokyo, Maruyama, Chikura, Madrid, Milan, Dubai, New Delhi, Hong Kong, Mumbai, Hanoi, Bangkok, Ho Chi Minh City, Nairobi, Kuala Lumpur, Singapore, Jakarta, Tangerang, Johannesburg, Perth, Sydney, Vancouver, Seattle, San Jose, Los Angeles, Toronto, New York, Washington DC, Dallas, Chicago, Miami, Sao Paulo

- POP
- POP Under Construction

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