Managed Network Service for Cisco SD-WAN
Cloud-optimized and secure

A managed SD-WAN service designed for your digital business. A unique combination of Cisco technology leadership with NTT Ltd.'s expertise, global resources and service innovation.

NTT Ltd.'s Managed Network Service for Cisco SD-WAN delivers a dynamic application aware infrastructure designed to maximize the potential of multi or hybrid cloud environments. From underpinning secure branch transformation, to enabling next generation mobility, we will work with you to ensure your SD-WAN is ready for business.

High quality user and customer experiences are prioritized and end to end security is fully integrated. Management operations are simplified and carrier cost optimized as we leverage our deep expertise and global resources throughout the full lifecycle of your service.

The service will be delivered as a Cisco SD-WAN technology overlay, optimizing dynamic traffic routing cost efficiencies across SD-WAN, multiprotocol label switching (MPLS) and carrier internet connections. Built-in security features will ensure the integrity of site-to-site connectivity and data 24/7.

Our highly automated managed services platform is supported by engineering teams retaining the highest levels of Cisco and multi-vendor certification. Standardized tools and processes support the consistent achievement of agreed service levels. To ensure the most cost-effective call routing we can provide Tier One global carrier capability from our own global network, or can manage your preferred choice of service provider.

> **'NTT Ltd's leadership and innovation drives value for our customers and helps them respond to complex business challenges'**
> - Oliver Tuszik, Senior Vice President, Global Partner Organization, Cisco

Business outcome	Service features
Improved application experience	Application aware routing policy: • Reduced latency to software as-a-service (SaaS) applications with direct internet egress at all locations • Application awareness - routing decisions based on business priorities and cost efficiency
Increased end-to-end security	Centralized policies to secure and ensure optimal use of multiple providers' internet connections.
Reduced complexity	A simplified WAN architecture: • Automated- application driven approach • Unifies multiple network connections into a single virtual connection • Centralized management visibility
Improved cost efficiency	Intelligent policy creation enabling: • Offloading of 30% to 70% of existing WAN MPLS traffic to lower cost links • Dynamic bandwidth allocation • Lessened dependence on MPLS optimizing cost of bandwidth • Carrier choice
Accelerated application deployment and user provisioning	Zero Touch deployment and user provisioning.

Our Service

We will manage the core Cisco SD-WAN infrastructure, including multiple components: vManage, vSmart, vBond and vEdge/cEdge.
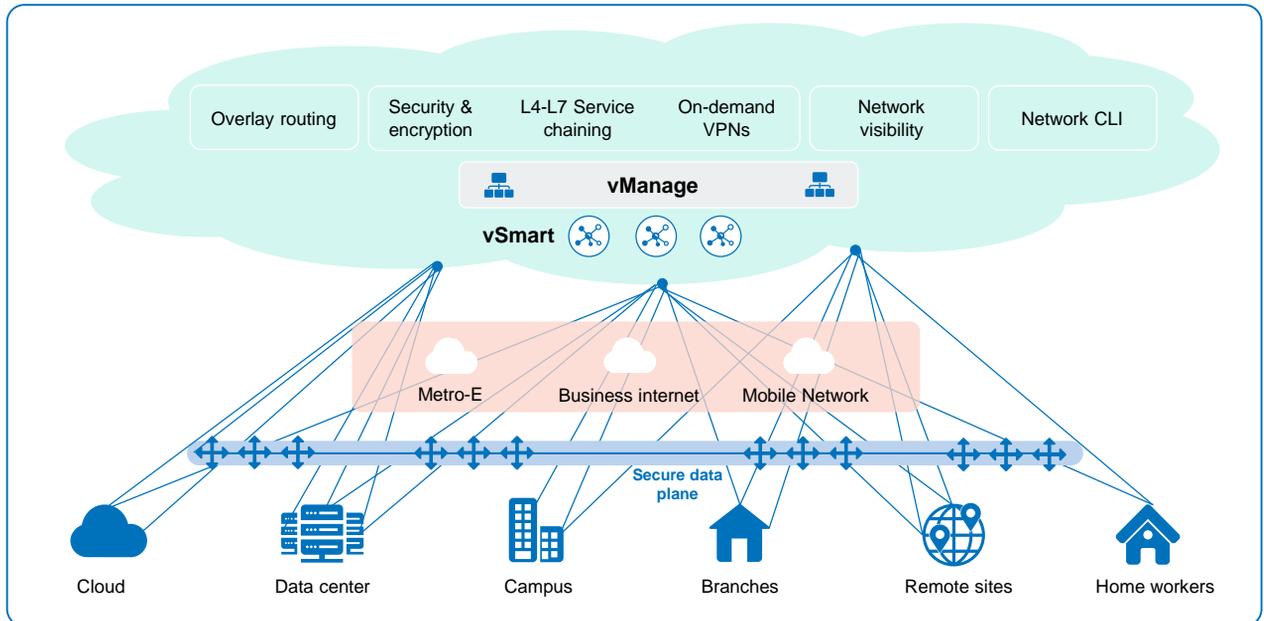
vManage, vSmart and vBond are deployed within NTT Ltd.'s managed services platform and support the defined SD-WAN solution necessary to optimize connectivity between your end users and their applications.

- vManage enables automatic configuration, management and monitoring

- vSmart enables secure connections to all SD-WAN components within the network to exchange routing, security and policy information

- vBond facilitates authentication and authorization of all SD-WAN elements

- vAnalytics: Analytics reporting (Cisco DNA Advantage license required)

- vEdge/cEdge: Cisco SD-WAN routers that terminate WAN links at your sites. Ensuring secure connectivity to all SD-WAN components and IPSec sessions with other vEdge/cEdge devices in your network.

How we deliver

Successful deployment of a managed Cisco SD-WAN service requires deep knowledge of the WAN, security and enterprise application environment. Design and implementation skills are crucial to ensure optimum performance and ROI, but real value can only be delivered by effective 24x7 management ensuring fast response and resolution to incidents and threats. The right automation, tools and processes must be in place to ensure consistent performance and availability from the core to the edge of your network.

The design and deployment of our managed services are consulting led, leveraging our Cisco networking and security expertise to ensure the right service design for your individual needs.

A WAN Advisory consulting engagement is the first step in ensuring your business objectives are kept in clear focus throughout the full lifecycle of your service.

Our global managed services platform provides the highly automated tools and processes to ensure the proactive operational management of your Cisco SD-WAN. This enables you to achieve the agility, end to end security, improved performance and cost optimization you need and expect. Our service delivery model leverages our Cisco certified engineering resources and service Centers of Excellence to provide:

- Proactive 24x7x365 monitoring, incident, and problem management reducing your mean time to repair.

- Proactive performance and capacity management optimizing access to your current and future applications.

- Highly structured change management processes assuring that applications are always accessible.

- Aggressive service level agreements that are outcome based and backed by financial credits.

- A service management lifecycle that covers strategy, design, transition, operation, account governance, and continuous service improvement.

- Regional level 3 engineers who are an integrated part of service delivery who own performance, problem, and availability management providing consistency and client intimacy.

- A service delivery team including a Senior Transformational Architect familiar with your environment, how it has evolved over time, and the business goals it was built to support.

- 24/7 access to NTT service portal providing near real time insight and graphical reporting and the ability to drill into specific incidents 24x7.

Key features

Carrier and transport independent VPNs

Consistent WAN built on any transport like MPLS, Broadband, 4G/LTE and more.

Application-aware routing

Automatically forwards data traffic by inspecting the application type, performance, policies and network path status.

Zero trust security

Ingrained authentication, encryption, segmentation, access controls and service chaining to provide the highest form of security.

Centralized end-to-end security policy enforcement across multiple carriers

Centralized policies to secure and ensure optimal use of multiple internet connections.

End-to-end network segmentation

Provides granular segmentation capabilities to segment various applications and users.

Zero Touch deployment

All devices are configured and managed using Zero Touch Provisioning with seamless integration into existing services.

Global deployment and enforcement of application policy in real time

Centralized and automated management of on-premise and virtualized network functions.

Simplified branch operations

A scalable approach to the remote management of WAN traffic growth supporting cloud, mobility and video at remote smaller branch offices. Once deployed, little or no branch engineering resources will be required.

Secure branch endpoints

By abstracting the WAN intelligence from the physical network our Managed Network Service for Cisco SD-WAN provides an additional level of security through an encrypted overlay to secure your applications over any type of network transport.

NTT Ltd. and Cisco - A tried and trusted partnership

Trusted partners
For over 28 years, Cisco and NTT Ltd. have focused on delivering solutions to our joint clients.

Global reach
We have a joint installed base estimated at over USD 40 billion, serving thousands of clients on every continent.

Cisco recognition
We are Cisco's most-decorated partner, having earned over 200 awards in the last 5 years.

Commitment to service innovation
We have a long-term commitment, investing in joint co-innovation centers focused on delivering the best possible experience from your investments.

Recognized market leadership
NTT scored highest in a Gartner's February 2020 Critical Capabilities for Network Services, Global use case & named a Leader again in the February 2020 Gartner Magic Quadrant for Network Services, Global.*

Global support
We manage more than 9,000 networks and support over 13 million users across the globe.

Skills investment
We continue to invest in the highest levels of Cisco certifications in over 80 countries.

Let's go **#FurtherTogether**

To learn more, please see our Managed Network Services for SD-WAN portfolio:
https://hello.global.ntt/en-us/products-and-services/managed-services/managed-network-services/managed-sd-wan-service-portfolio