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CISCO

Enterprise Grade SD-WAN

The rise of cloud-based applications and IoT is impacting existing wide area networks across all industries. The need to increase bandwidth, optimize cloud connectivity, and improve security posture is challenging with traditional WAN architectures. Furthermore, the disparate nature of WAN infrastructure, makes it hard to gain comprehensive visibility of applications and infrastructure, which hinders failure resolution and effective forecasting of resources.

Gartner estimates that "by 2020, more than 50 percent of WAN edge infrastructure refresh initiatives will be based on SD-WAN versus traditional routers."[1]

Cisco brings enterprise-grade Software-Defined WAN (SD-WAN) technology to address the problems of modern enterprise applications of today and tomorrow.

Cisco SD-WAN is a cloud-delivered overlay WAN architecture that enables digital and cloud transformation at enterprises. It significantly drops WAN costs, reduces the time to deploy services, build application resiliency and provides a robust security architecture for hybrid networks. The accompanying vAnalytics capability delivers visibility and insights necessary for IT to isolate and resolve issues promptly; and delivers intelligent data analysis for planning and what-if scenarios.

[1] Forecast: SD-WAN and Its Impact on Traditional Router and MPLS Services Revenue, Worldwide; Joe Skorupa | Andrew Lerner | Christian Canales, November 7, 2016

Benefits achieved by using Cisco SD-WAN

80 percent reduction in cost/Mbps for a national insurance provider.

$20 million reduction in Operating Expenses (OpEx) over three years for a retailer.

5-fold improvement in Office 365 performance for an energy company provider.

100 percent application uptime during network failures for a national food distributor.

4-fold improvement in application latency for a healthcare provider.

12-fold improvement in change control time for a 3000-site bank.

M&A integration within **2 weeks** for a Fortune 50 healthcare provider.

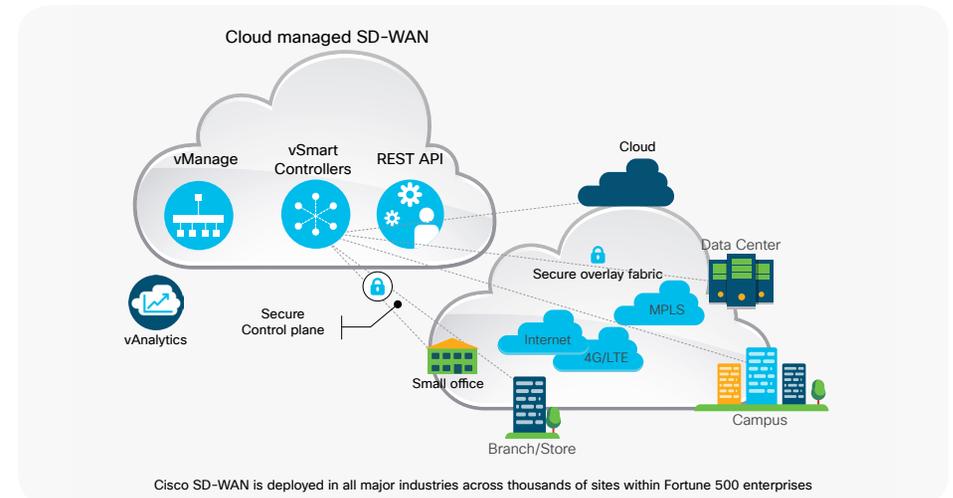Guest wireless deployment at more than **1000 stores** for a retailer.

Securely isolated more than **100** business partners for a United States manufacturer with more than 1000 sites.

Why Software-Defined WAN?

Reduce WAN costs by 50 percent or more	• Migrate from MPLS to hybrid WAN • Get 10 times the bandwidth at half the cost • Optimize usage and capacity of transport
Reduce time to capability	• Quickly deploy new branches with any transport (LTE/Broadband/MPLS/VSAT) • Deploy new services or implement policy with centralized management • Simplify operation workflows with built-in automation
Zero outages for any application	• Multiple hybrid links with active-active capability • Real-time traffic steering around upstream network issues • Customizable SLA-based policies per application
Cloud- optimized network	• WAN extended seamlessly to AWS and Azure • Optimized SaaS performance for Office 365, Salesforce, and more • Unified enterprise WAN policy for cloud and on-premises workloads
Secure, hardened network	• Comprehensive security over hybrid links • Reduced attack surface with segmentation for IoT, partner networks, cloud, guest wireless • On-demand insertion of Umbrella, Zscaler, Palo Alto, and other network services
Advanced Analytics	• Visibility of applications and infrastructure enables rapid failure correlation • Sophisticated forecasting and what-if analysis for effective resource planning • Insightful recommendations for policy changes based on traffic patterns

Cisco has one of the most widely deployed enterprise-grade SD-WAN solution

• Large deployments in retail, healthcare, financial services, energy and more
• Widely deployed across Fortune 2000 enterprises
• Thousands of production sites in every major industry
• vAnalytics benchmarking data across hundreds of customers
• Compliant with PCI, HIPAA and other industry standards

Cisco SD-WAN is deployed in all major industries across thousands of sites within Fortune 500 enterprises

How do you deploy Cisco SD-WAN?

• Cloud-based management and vAnalytics dashboard
• Virtual or physical secure routers for on-premise or cloud
• In-house IT or managed service with service providers or system integrators
• Capital Expenditures (CapEx) and annual subscription licenses or enterprise-based agreements

Learn more by visiting https://cisco.com/ca/sd-wan