Cisco SD-WAN

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Networking made simpler, smarter, and safer for the future-proofed workplace.

Cisco SD-WAN is an innovative, cloud-managed solution that empowers organizations to build a scalable, resilient, and **SASE-ready network**. It delivers seamless user experiences, optimizes application performance, and offers unmatched multicloud connectivity—all within **a single, integrated platform**. With built-in security capabilities, it provides industry-leading cybersecurity protection to safeguard your network, data, applications, and devices, everywhere.

The solution integrates deep identity-based security, including context and posture, to fully support Zero Trust security, ensuring continuous policy enforcement. Centralized policy management with distributed enforcement across both on-prem and cloud environments ensures consistent and robust protection, no matter where users or devices are located.

Real-time insights, automation, and AI-driven intelligence empower proactive problem-solving, reducing downtime, ensuring uninterrupted operations, and avoiding impact to user experiences. Flexible cloud architecture and simplified network management make Cisco SD-WAN easy to scale, adapting effortlessly to evolving business needs and accelerating innovation for a future-proofed workplace.

Unlike other rigid vendor-driven architectures, Cisco SD-WAN easily adapts to every customer's unique needs, allowing them the flexibility to design the ideal network for their business.

Benefits

Cisco SD-WAN delivers value at every stage of your networking journey with flexibility and scalability to help businesses move faster, operate more efficiently, and stay secure in a complex, distributed world. By unifying networking and security with AI-driven intelligence, it enables **simpler** operations, **smarter** insights, and a **secure network**— so organizations can seamlessly adapt, optimize performance, and protect their users, applications, devices, and data everywhere.

- **Simplified Network Management** – Reduce operational complexity with centralized, cloud-managed control, enabling automated provisioning, consistent policy enforcement, and seamless management of branch networks without on-site expertise.
- **Optimized Application Performance** – AI-driven insights and **Predictive Path Recommendations (PPR)** proactively adjust traffic paths, assuring reliable and seamless experiences by ensuring high-performance connectivity for critical applications across hybrid and multicloud environments.
- **Stronger Security with Zero Trust and SASE** – Built-in **zero-trust security** with identity-based microsegmentation and **SASE-ready architecture** fortifies your network, providing end-to-end protection that extends across premises, cloud and to the edge.
- **Seamless Multicloud and SaaS Connectivity** – Automated cloud on-ramp capabilities simplify access to multicloud and SaaS applications, reducing latency, eliminating backhauling, and ensuring consistent security policies across distributed environments.
- **Management Optionality** – Benefit from network management optionality, supporting diverse IT personas with flexible deployment and management models tailored to your organization's specific needs.
- **Reduced Costs with Greater Efficiency** – Reduce infrastructure and operational expenses by consolidating network and security functions into a single platform, optimizing bandwidth usage, and automating routine tasks.

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- **Future-Proofed Network with AI and Quantum-Safe Security** – Leverage **AI-driven analytics** for predictive operations and **quantum-safe encryption** to safeguard data against emerging cybersecurity threats, ensuring long-term resilience.

"With Cisco SD-WAN, we delivered a three-times improvement in bandwidth across the entire WAN without increasing spending. We're getting a lot more value for the same money, which is a great outcome."

Fletcher Davidson, Manager of IT Architecture, Hydro Tasmania

"This is innovation on a grand scale. We're using Cisco technology to bridge an 82-kilometer gap between the driver and the car. If we can do this, what else can we achieve?"

What it does

As a leader in SD-WAN, Cisco shines where security meets the network, offering distinct advantages that benefit customers.Cisco SD-WAN transforms how organizations manage and secure their networks with a **cloud-managed**, **AI-powered** solution that simplifies operations, strengthens security, and streamlines connectivity across highly complex, distributed environments.

Simpler by design, Cisco SD-WAN automates provisioning, configuration, and management, making it easy to deploy, scale, and operate networks. Centralized control allows seamless policy enforcement and management of branch network devices—routers, firewalls, and more— reducing the need for on-site expertise and cutting operational costs. **Automated cloud on-ramp** capabilities further simplify multicloud and SaaS access, reducing complexity while ensuring consistent security policies across on-prem and cloud environments.

Smarter with AI-driven intelligence, Cisco SD-WAN shifts network operations from reactive to highly predictive. **ThousandEyes-powered insights** and **Predictive Path Recommendations (PPR)** proactively optimize application traffic, preventing disruptions before they impact users. End-to-end visibility ensures performance optimization across all network locations.

Safer at its core, Cisco SD-WAN is **SASE-ready with built-in Zero Trust security**. Identity-based microsegmentation, quantum-safe encryption, and centralized policy enforcement provide comprehensive protection from premises to cloud and to the edge. **Direct, secure access** to critical applications reduces latency and improves performance for corporate and mission-critical workloads.

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Cisco is the ONLY company to combine the power of the network with security, observability, and collaboration, making Cisco SD-WAN unlike any other networking solution in the market.

- **Unified Policy for Central Control and Distributed Enforcement:** Streamline management with centralized control, ensuring always-on connectivity with consistent security and network policies across all locations and environments.
- **Cloud On-Ramp Automation and Multicloud/SaaS Optimization:** Simplify and streamline connectivity to multicloud and SaaS environments, including custom applications like GenAI, for seamless, low-latency access.
- **End-to-End Visibility and AI-Powered Analytics:** Leverage ThousandEyes-powered visibility and Predictive Path Recommendations (PPR) to optimize network traffic and proactively prevent performance issues that impact users.
- **Identity-based Microsegmentation for Zero Trust Security:** Enforce Zero Trust policies based on user identity, device posture, and application context, minimizing security risks across distributed networks.
- **Quantum-Safe SD-WAN Fabric:** Safeguard against the potential risks of quantum computing with encryption protocols resistant to quantum attacks, ensuring long-term data security.

Learn more

Stop managing network complexity and start enabling innovation. Discover how you can achieve a simpler, smarter, and safer way to connect and secure your distributed enterprise with Cisco SD-WAN. Explore more possibilities at https://cisco.com/go/sd-wan.

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