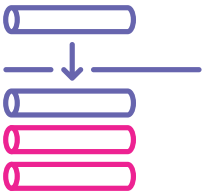
CISCO MERAKI
SD-WAN

WHAT IS SD-WAN?

Software-defined wide area networking (SD-WAN) is a software-based approach for businesses to utilize and manage more than one external network connection such as MPLS, broadband, and fiber optic at a given location based on its performance. With SD-WAN, network admins can define which WAN link an application should use, or set up rules for which link should be used based on its performance.

WHAT CAN SD-WAN HELP ACHIEVE?



ENHANCE NETWORK AGILITY WITH INTELLIGENT ROUTING

As organisations expand their use of cloud applications and distributed workforces, having the ability to adapt network traffic dynamically becomes essential. Meraki SD-WAN intelligently evaluates every available WAN connection, and automatically selects the best path based on real-time performance.

This cloud-managed approach enables IT teams to optimise bandwidth across all circuits, improve resilience, and deliver a consistently high performing experience to users, all form a single dashboard.

MAXIMISE USER EXPERIENCE IN A MULTI-HOSTED ENVIRONMENT

Applications are now hosted in multiple locations: the data center, IaaS, and SaaS providers—and are accessed in multiple ways, including direct Internet access. One of the key challenges to maximizing performance in such a multi-hosted environment is that organizations do not have ownership and hence direct management of public cloud environments, or the transit to them.

With more business-critical traffic becoming cloud-centric, use cases focused on intelligently maximizing SaaS application quality of experience (QoE) are emerging to be a vital expectation of SD-WAN.

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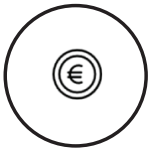
WHY CHOOSE SD-WAN NOW?

Bandwidth requirements continue to increase (more devices, use of cloud resources and video streaming) so MPLS links may now exceed designed capacity. Low-cost links (broadband, 5G) have matured to now have the reliability and uptime to be viable options to provide additional bandwidth capacity or, in some instances, to replace MPLS altogether.



Control Cost, Increase Value

Improve Business Flexibility

Better Customer Service

Reduce Business Risk

BENEFITS ACROSS THE ORGANISATION

Benefits to the End User

- Support and improve hybrid working experience.
- Improve home connectivity reliability and uptime.
- Fix connectivity issues more quickly.

Benefits to the Network Manager

- Create a flexible and agile network capable of responding in real-time to changing business needs.
- Minimise network downtime.
- Prioritise and segment traffic by application and policy.
- Ensure business-critical apps are front of the queue for accessing bandwidth.

Benefits to the IT Security Manager

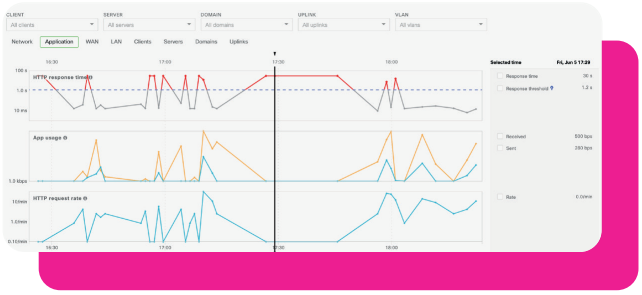
- Enterprise-grade security for remote workers protecting against ransomware and phishing.
- Complete oversight and real-time management of the network.
- Ensure constant uptime for critical apps at critical times.

Benefits to the C-Level Executive

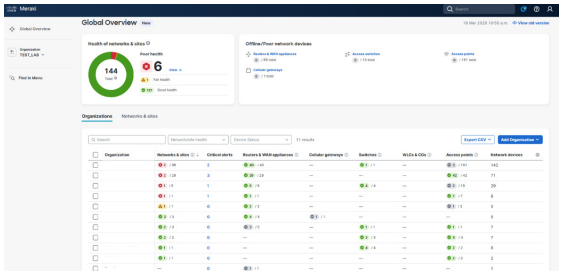
- Enable hybrid working for your staff while maintaining strong security posture.
- Reduce IT burden by simplifying WAN infra-structure and centralising command & control.
- Support digital transformation and accelerate the transition to the cloud.
- Utilise low-cost local internet access and reduce traffic on backbone WAN.

HOW DOES CISCO SD-WAN POWERED BY MERAKI WORK?

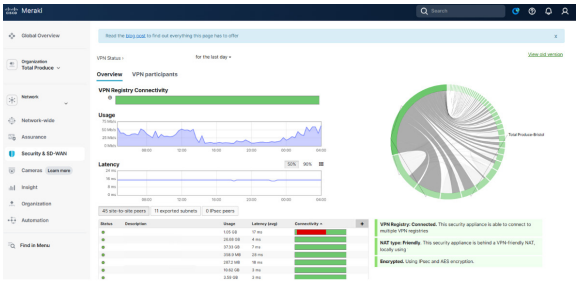
- Cisco SD-WAN powered by Meraki is delivered by the powerful Meraki MX appliances.
- Two or more MX appliances can establish Auto VPN tunnels between devices (and locations) over any type of WAN link in three simple clicks.
- The performance of all the VPN tunnels is monitored approximately every second for packet loss, jitter, latency, and MOS.
- Advanced analytics also monitor key factors that influence how users experience business-critical resources to identify the root cause of any degradation in minutes.
- Real-time performance telemetry is used to make autonomous decisions about which path should be used to satisfy the performance of critical cloud applications and VoIP.



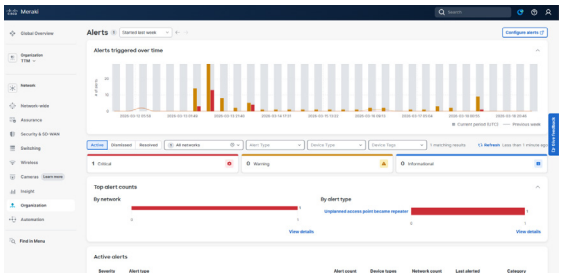
WHY SD-WAN POWERED BY MERAKI?



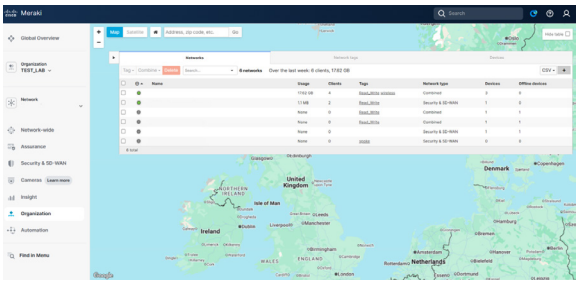
THE SIMPLEST SD-WAN AVAILABLE



NATIVELY SECURE SD-WAN



ADVANCED ANALYTICS



UNIFIED MANAGEMENT PLATFORM

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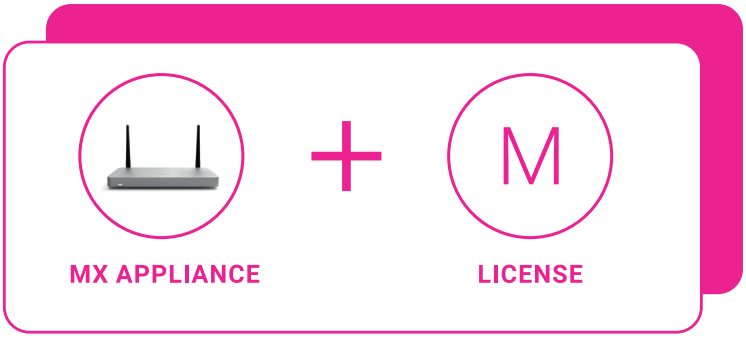
WHAT'S NEEDED FOR CISCO SD-WAN POWERED BY MERAKI?

Cisco SD-WAN powered by Meraki is delivered by the MX appliances.



LICENSE OPTIONS

The licensing structure for MX appliances is the same as that of any other Meraki device—a 1:1 ratio of devices to licenses. Pair your chosen MX appliance(s) with the relevant license for your use case.

ENTERPRISE

Ideal for when seamless site-to-site VPN connectivity with a firewall is needed.

- Secure connectivity & basic security.

ADVANCED SECURITY

Ideal for organizations with sites also connecting to the Internet; unified threat management security is required.

- Secure connectivity & basic security.
- Fully featured unified threat management.

SECURE SD-WAN PLUS

Ideal for organizations reliant on apps served by SaaS, IaaS, or data-center locations.

- Secure connectivity & basic security.
- Fully featured unified threat management.
- Advanced analytics with ML
- Smart SaaS quality of experience.
- Tag-based segmentation.

Contact your account manager to learn more