Your WAN security:
Top 3 threat types and how to outsmart them

As your wide area network evolves, you might need to enable direct Internet access at the branch, secure connectivity to the cloud, and protect all users and devices from threats without compromising the user experience. Easier said than done, right?

Actually, with Cisco software-defined WAN (SD-WAN), you can handle all these demands without ever leaving security behind.

Discover how to protect your users, devices, and applications when using the Internet as your WAN.

Threats from the

inside-out

Like spies inside your castle walls, these threats enter through the branch and wreak havoc.

Your biggest internal security concern is:

- Malware infections like viruses, the ever-popular ransomware, and command-and-control threats

- Website look-alikes, spam, and other phishing attacks

Secure direct internet access (DIA) at the branch.

Whether you're struggling with one main threat or all, Cisco Umbrella secures Internet access at the branch. Using predictive intelligence, Cisco Umbrella provides a Secure Internet Gateway to protect employees wherever they choose to work.

Check out Cisco Umbrella

A large enterprise healthcare company reduced malware infections by 75% with Cisco Umbrella.[1]

Threats from the
outside-out

Like marauding raiders, these threats attack your castle walls, aka the edge of your network where your branch is located. Nonstop.

From the outside, your biggest threat is:

- Attackers using protocol vulnerabilities and other tricks to slip through firewall
- All the attacks, all at once—the dreaded denial-of-service overload

Secure connectivity to the cloud.

Cisco SD-WAN security integrates firewall, intrusion prevention, and URL filtering directly into branch platforms and can scale for complex WAN topologies. Protect your kingdom even further with the support of Cisco Talos, the industry-leading threat intelligence group.

Check out router security

By 2021, annual cybercrime damage costs will hit $6 trillion.[2]

Internal threats

These threats happen more as a result of the lord and lady of the castle forgetting to lock the side door after a moonlit walk. Whether these are accidental or malicious, they still wear away at the castle walls.

Your biggest internal threat is:

- Users accessing the WAN or LAN without trusted credentials or compromised devices transferring more than just data to or from other connected devices

- Compliance violations—so much to keep track of and so little time

Protect guest users and devices.

Combined with full-stack security, Cisco SD-WAN makes sure your network segmentation policies are enforced wherever your data goes. And it secures your sensitive data from network edges that might be compromised.

Discover the SD-WAN solution

Even with growing security threats, more than 90% of SD-WAN vendors are not traditional security vendors.[3]

1 "TechValidate Research on Cisco Umbrella," TechValidate, June 25, 2018.
2 2017 Cybercrime Report, Cybersecurity Ventures, 2017.
3 Secure SD-WAN: Integrated NGFW Security with WAN Transformation, Fortinet, 2018

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