

Six Degrees of Network Security

A number of obstacles stand between you and a safe network. Your security shouldn't be one of them.

These common security pitfalls put your network security at risk.

1°

Trying to stay ahead by staying behind a firewall.

More and more users are working on the move — and not always using VPN — but a firewall protects users only when they're on the network.

82% of mobile workers admit they don't always use VPN.¹

2°

Betting on antivirus for off-network protection.

Antivirus software is often the only protection for off-network endpoints. The problem? Signature detection blocks only known attacks — and threats are moving too fast for manual updates.

25% of corporate traffic will bypass perimeter security by 2021.²

3°

Trusting web proxies to handle sophisticated threats.

Web proxies cover only ports 80/443, but attackers use advanced tactics like non-web ports and protocols for network infiltration and data exfiltration.

15% of malware C2 callbacks use ports other than 80/443.³

4°

Turning a blind eye to SaaS apps.

SaaS apps are great for employee productivity. But you can't protect what you can't see, and on-premises solutions don't have enough visibility or control for SaaS and cloud apps.

475+ third-party applications are used by the average company.⁴

5°

Managing security in a silo.

Traditional security tools won't readily integrate with other solutions, like SIEM or custom in-house apps. If your systems can't talk to each other, you can't get the security intel you need to protect your business effectively.

50+ vendors secure the average company.⁵

6°

Hoping appliance-based tools will scale easily.

Protecting each branch with appliance-based tools just isn't scalable. Deployment, configuration, and ongoing management are cumbersome and intelligence processing capacity is limited.

69% of branch offices have direct-to-internet access.⁶

There's a better way to secure your organization.

More than 91% of malware uses DNS to gain command and control, exfiltrate data, or redirect web traffic.⁷ Built into the foundation of the internet, Cisco Umbrella provides an essential first line of defense against threats — anywhere users go.

Take a deep dive into what makes Umbrella unique, or get started with a 30-day free trial.

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