

Cisco Umbrella: DNS Security Essentials Package

Simplifying security for any size business.

#1 outcome achieved with Cisco Umbrella is security efficacy¹

The leader in DNS-layer security

Cisco Umbrella delivers the most secure, reliable, and fastest internet experience to more than 100 million business and consumer users daily. As a leading provider of network security and recursive DNS security we enable the world to connect to the internet with confidence on any device. We've built a reputation on easy deployment and powerful protection anywhere users access the internet.

Block malware without latency

Umbrella is a cloud-delivered security service built into the foundation of the internet. It enforces security at the DNS layer and blocks requests to malicious domains before a connection is even established – stopping threats over any port or protocol before they reach your network or endpoints.

Easily enforce content web filtering

With Umbrella, you can effectively manage your user's internet access using over 85+ category-based content filters. It's simple to create custom allow/block lists, and block domains with unwanted content. Umbrella gives you control over which sites can be accessed by your users so you can easily enforce and comply with acceptable use policies.

Improve performance

Umbrella has a highly resilient cloud infrastructure that boasts 100% uptime since 2006. Using Anycast routing, our 32 plus data centers across the globe are available using the same single IP address, so your requests are transparently sent to the nearest, fastest data center and failover is automatic. Umbrella peers with more than 1000 of the world's top internet service providers (ISPs), content delivery networks (CDNs) and SaaS platforms to deliver superior speed and user satisfaction.

1. <https://www.techvalidate.com/product-research/cisco-umbrella/facts/324-36C-800>

Already using Cisco Meraki MR access points?

Block domains associated with phishing, Umbrella deploys instantly across a Meraki Wi-Fi network to protect users from internet threats with no added latency.

Learn more; umbrella.cisco.com/meraki

Key features:

- Block domains associated with phishing, malware, botnets, and other high risk categories (cryptomining, newly seen domains, etc.)
- Prevent web and non-web callbacks from compromised systems
- Enable web filtering using 85+ domain categories
- Create custom block and allow lists
- Pinpoint compromised systems using real-time security activity reports
- Discover and block shadow IT (based on domains) with the App Discovery report
- Protect mobile and roaming users who are off-network
- Create policies and view reports by user (Active Directory), network (egress IP), network device, internal subnet, or roaming device
- Use customizable block pages and bypass options
- Access to Umbrella's APIs and ability to retain logs with Amazon S3 bucket

ESG research reveals:



85% believe roaming users violate VPN policy.



78% believe remote or roaming users are most vulnerable to attack.



46% report it is very difficult to find and recruit qualified security professionals with advanced skills.

Cisco Umbrella puts an end to security gaps



Limited visibility

Most companies leave their DNS resolution up to their ISP. But as more organizations adopt direct internet connections and users bypass the VPN, this leads to a DNS-blind spot. DNS requests precede the IP connection, which enables DNS resolvers to log requested domains regardless of the connection's protocol or port. Monitoring DNS requests, as well as subsequent IP connections is an easy way to provide better accuracy and detection of compromised systems, improving security visibility, and network protection.



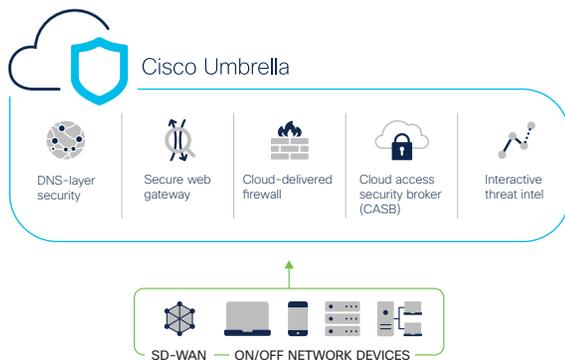
New and targeted attacks

Signature-based tools, reactive threat intelligence, and isolated security enforcement cannot stay ahead of sophisticated malware. Leveraging unmatched threat intelligence from Cisco Talos, one of the largest commercial threat intelligence teams in the world with more than 300 researchers, Umbrella uncovers and blocks a broad spectrum of malicious domains, IPs, URLs, and files that are being used in attacks. We also feed huge volumes of global internet activity into a combination of statistical and machine learning models to identify new attacks being staged on the internet.



Skill shortage

With no hardware to install and no software to manually update, it's simple to manage. Umbrella lets you centrally manage users and quickly identify security risks across your deployment. And because it stops threats at earliest possible point, it reduces the number of infections and alerts you need to remediate. Umbrella offers multiple APIs to make integration a snap, saving staff time. Pull data from appliances, threat intelligence platforms or feeds and custom, in-house tools into existing workflows with Umbrella to extend enforcement, simplify management, and streamline reporting.



The Cisco Umbrella advantage

Umbrella processes 250 billion DNS requests for more than 20,000 businesses every day to deliver unmatched visibility into DNS activity worldwide. And because it is delivered from the cloud, it provides an effective security service that is open, automated and easy to use.

Deployment information

Umbrella is the fastest and easiest way to protect all users across your organization in minutes.

Umbrella offers APIs for network devices, management and reporting. With the Essentials package, you also have access to our enforcement API which enables integration with other security services to push blocked domains to Umbrella for extended enforcement everywhere.

On-network: Any network device (e.g. router, DHCP server) can be used to connect to Umbrella. Simply redirect your DNS to Umbrella's IP address. That's it. You can also leverage your existing Cisco footprint – Cisco AnyConnect, Cisco routers (ISR 1K and 4K series), Cisco Wireless LAN Controllers, and Meraki MR/MX – to provision thousands of network devices and laptops in minutes.

Off-network: We protect Windows, MacOS, iOS, Chrome OS, and Android devices outside the network security perimeter – without sacrificing performance.

For more details on deployment, configuration, reporting, and our APIs visit docs.umbrella.com.



How Umbrella helps:

- 78% of customers see value in less than 1 week²
- More than half of customers reduced malware by 50 percent or more³
- Protect on and off-network

Start a free trial

Visit signup.umbrella.com for a free 14 day trial of Umbrella.