

Cisco Umbrella



The Cisco Umbrella technology is irreplaceable as the first line of your network's defence against Internet threats. It uses the basic building blocks of the Internet for this purpose – DNS and IP layer. By securing these two components using the so-called reputation, the Umbrella is able to block requests for malicious or undesirable data sources even before any connection with them is established.

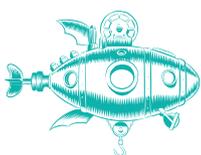
The Umbrella is particularly suitable for end stations moving outside the corporate network, which under normal circumstances provides users with central protection (so-called roaming computers). It operates as a secure Internet gateway using redirection of DNS traffic to Cisco Systems' cloud servers that – thanks to advanced analytics and machine learning – are able to assess whether any queried domain is secure, malicious or suspicious. Moreover, any suspicious domains may be redirected to a cloud proxy for in-depth inspection of whether any transmitted data content (files, scripts, etc.) is in fact secure.



Each day, the Umbrella's global infrastructure evaluates more than 125 billion DNS queries, which allows unique tracing of relationships between domains, IP addresses, networks and malware throughout the Internet as a whole. Similar to how Amazon's systems are able to create customer purchasing patterns and predict their next purchases, the Umbrella learns from online activity of users and creates formulas for automatic uncovering of the attacker's infrastructure. In this manner, it is ready for the next attacks and predictive blocking of all data sources known to it.

CISCO UMBRELLA'S PROPERTIES

- Reduces malware infections by up to 98%
- Allows filtering up to 60 different domain categories
- Detects any use of cloud applications and displays their use report
- Prevents data leaks from your network or devices
- Protects users both inside and outside the corporate network
- To maintain high level security of end devices, there is no need to have them connected to the corporate network via VPN



Trust the Strong

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