

Cisco Umbrella

First line of defense for threats on the internet

Webinar Seguridad ORBE

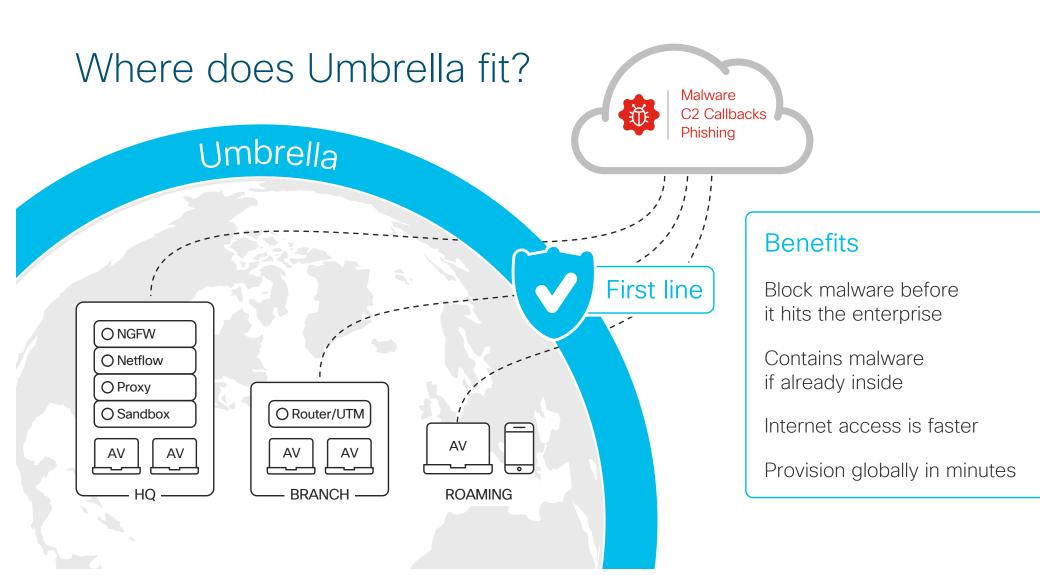
Guillermo Gonzalez

03 / 2019

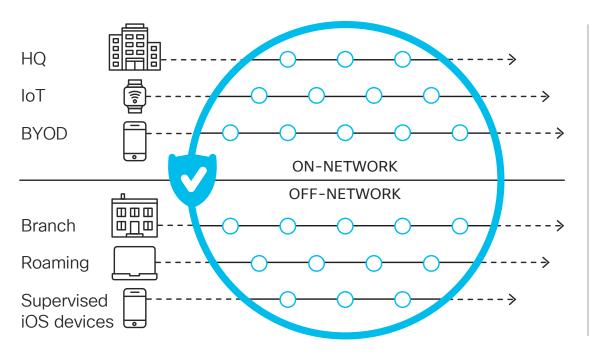
Cisco Umbrella



Built into the foundation of the internet
Intelligence to see attacks before launched
Visibility and protection everywhere
Enterprise-wide deployment in minutes
Integrations to amplify existing investments



Visibility and protection for all activity, anywhere Umbrella



All office locations

Any device on your network

Roaming laptops and supervised iOS devices

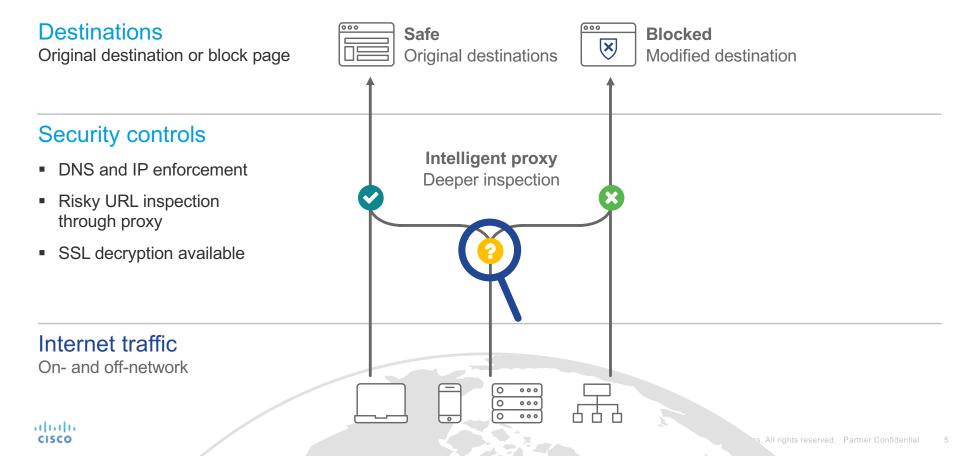
Every port and protocol

ALL PORTS AND PROTOCOLS

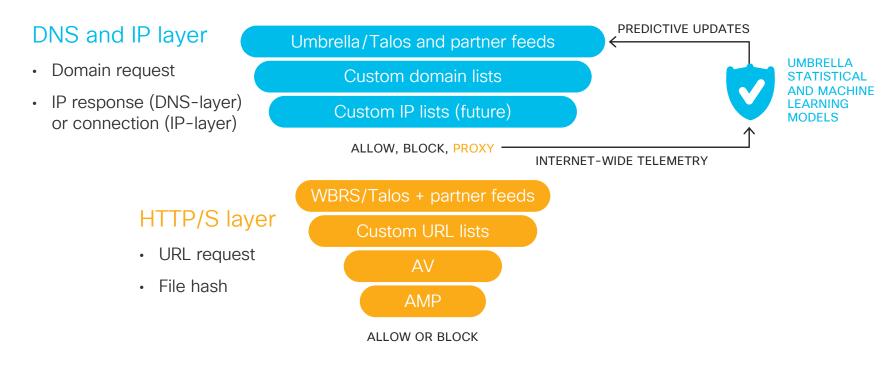
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Cisco Umbrella

Built into foundation of internet



Breadth to cover all ports and depth to inspect risky domains



Prevents connections before and during the attack



Web- and email-based infection

Malvertising / exploit kit

Phishing / web link

Watering hole compromise



Command and control callback

Malicious payload drop

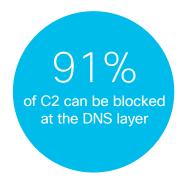
Encryption keys

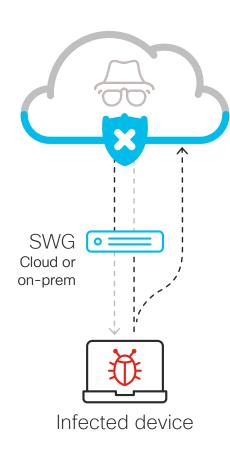
Updated instructions

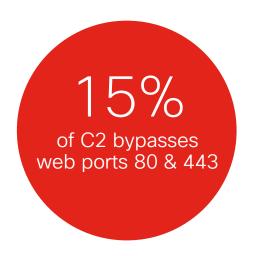


Stop data exfiltration and ransomware encryption

Protection for command and control (C2) callbacks



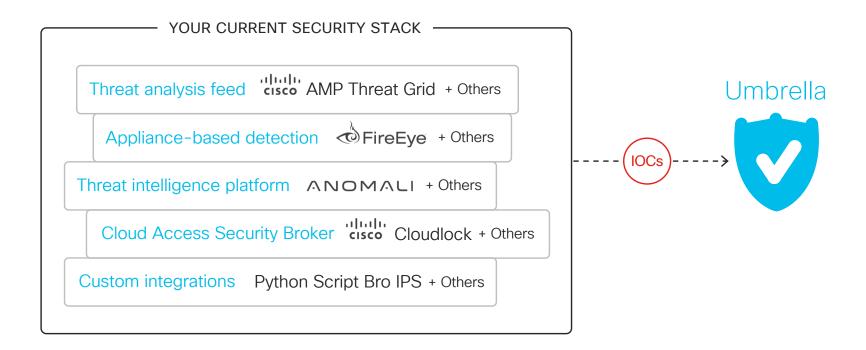


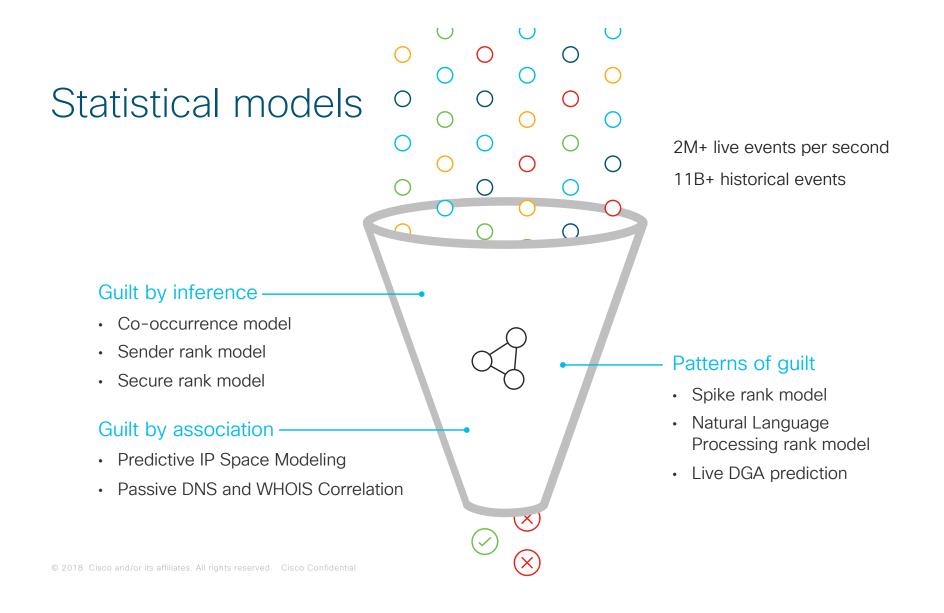


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Integrations to amplify existing security

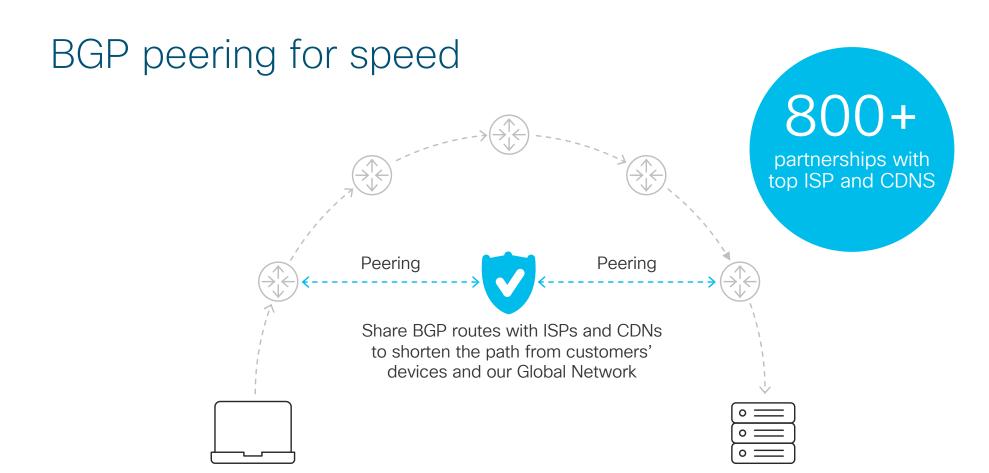
Block malicious domains from partner or custom systems



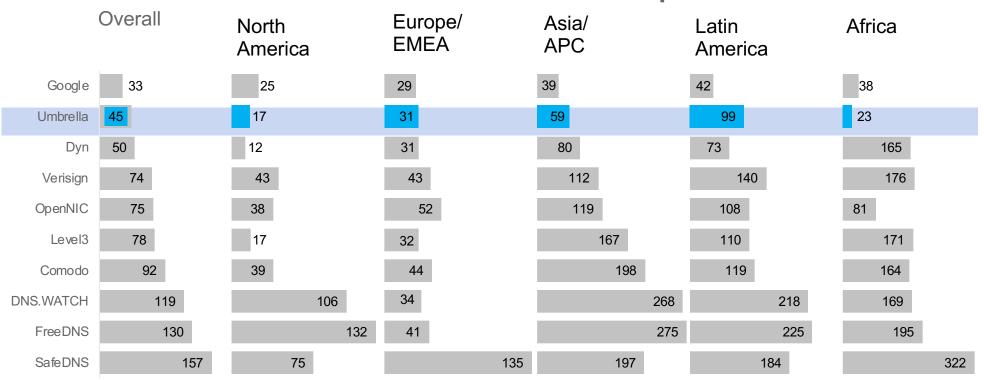


Data centers co-located at major IXPs





How fast do we resolve DNS requests?



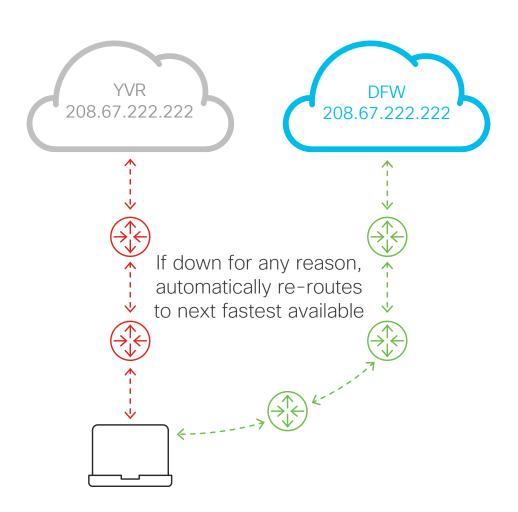
Measured in milliseconds

Source: MSFT Office 365 Researcher, ThousandEyes Blog Post, May 2017

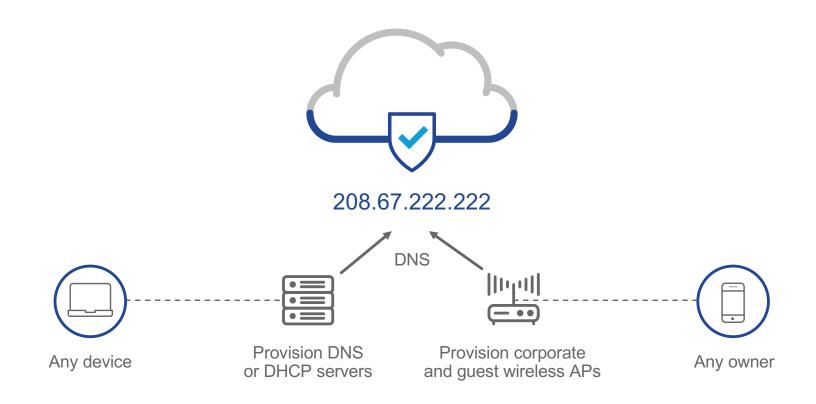


Anycast IP routing for reliability

100%
business uptime since 2006
DDoS protection and global fail-over

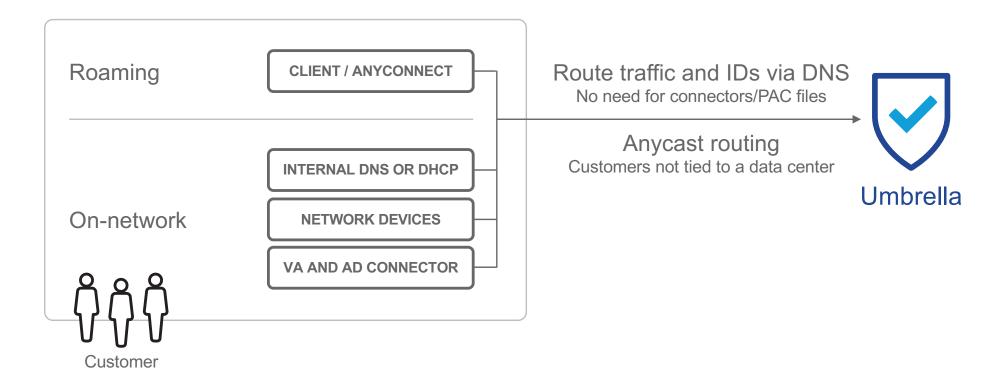


Simplest way to protect any device on-network





Connecting to Umbrella



Enterprise-wide deployment in minutes



Existing



DNS/DHCP servers, Wi-Fi APs

Simple config change to redirect DNS

Network footprint







SD-WAN (Viptela)



WLC



Meraki MR

- Provisioning and policies per VLAN/SSID; tags for granular filtering and reporting
- Out-of-the-box integration (Umbrella virtual appliance also available)

Endpoint footprint





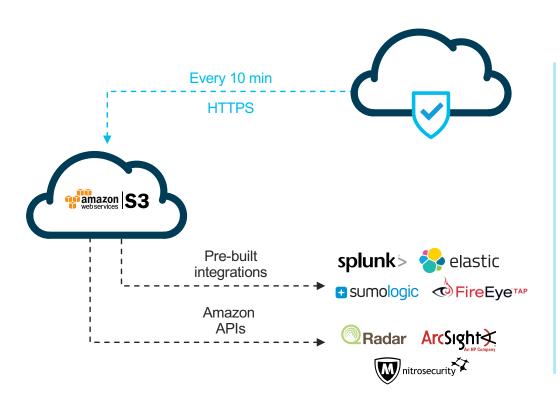


AnyConnect Cis roaming Sec module Conn

Cisco Umbrella Security Chromebook Connector client

Granular filtering and reporting on- & off-network (Umbrella roaming client also available)

Log storage with Amazon S3



S3 Benefits

Triple redundant and encrypted storage Pre-built SIEM / log analytic integrations Elastic: pay only for the storage used

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