Umbrella

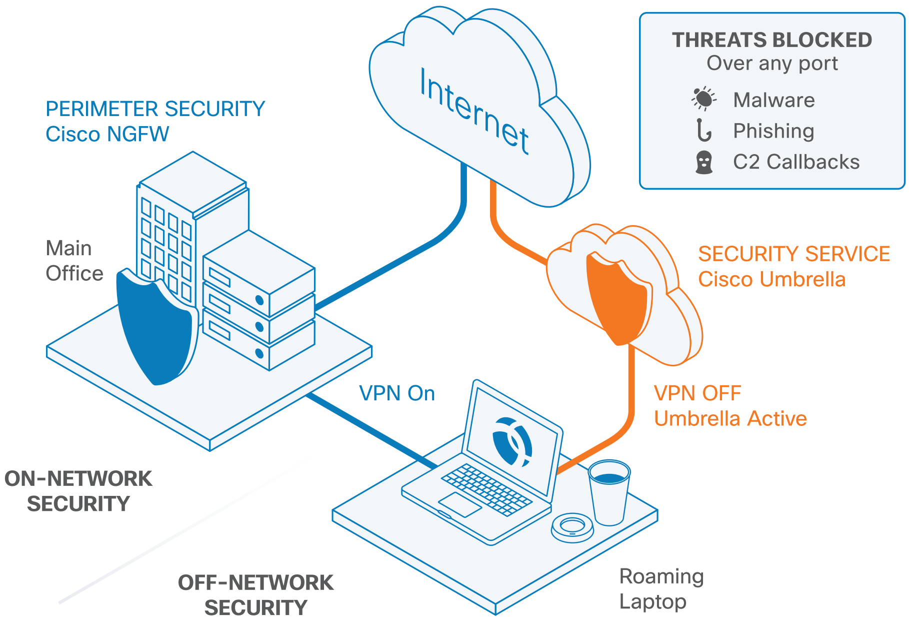
At-A-Glance

Cisco Umbrella Roaming

The easiest and fastest way to protect users 100% of the time

Cloud-delivered security service for Cisco's next-generation firewall
Umbrella Roaming protects employees when they are off the VPN by blocking malicious domain requests and IP responses as DNS queries are resolved. By enforcing security at the DNS-layer, connections are never established and files are never downloaded. Malware will not infect laptops and command & control (C2) callbacks or phishing will not exfiltrate data over any port. Plus, you gain real-time visibility of infected laptops with C2 activity.

Protect your mobile workforce with no extra agents or user actions
All Internet activity that bypasses your perimeter security is now enforced through our security service, so your off-network blind spot is eliminated. Umbrella Roaming is fully integrated into AnyConnect for Windows or Mac OS X. And unlike using the VPN, there's absolutely nothing new for end-users to do or any performance sacrifice.[2]



The way your employees work has changed

82% of your workers admit to not always using the VPN[2]
Employees are using more cloud apps for work and leveraging their work laptops for personal use–the reality is that not every connection goes through the VPN. Your network extends beyond the perimeter, and your security must too.

49% of your workforce is mobile and under defended[3]
Zero-day malware spikes at night and on weekends when we're roaming and attackers know we're vulnerable. In fact, 22% of malicious email links are clicked when roaming.[4] While security may never stop 100% of the threats, it must work 100% of the time.

The Problem

NGFWs are blind to 25% of traffic[1]

Not all traffic–over all ports, all the time–is backhauled to perimeter security using the Cisco AnyConnect VPN due to:

- Apps & data in the cloud
- Personal web browsing
- Split tunnels configured

And endpoint security (i.e. AV) is not enough to protect your mobile workforce.

The Solution

Cisco NGFW + Cisco Umbrella

Security on and off the VPN, over any port, for Windows and Mac OS X roaming laptops.

No One Combines Effectiveness & Performance Better

#1	fastest & most reliable DNS w/65M+ daily active users[5]
80B+	daily internet requests or connections
3M+	daily new domain names discovered
60K+	daily malicious destinations identified
7M+	total malicious destinations enforced
80M+	daily malicious requests blocked

1. cs.co/gartner-prediction
2. cs.co/IDG-survey
3. cs.co/sans-survey
4. cs.co/proofpoint-report
5. cs.co/dns-latency, system.opendns.com

How we predict threats before they happen

Real-time, diverse data reveals internet activity patterns
Correlating DNS, WHOIS, BGP, IP geolocation, SSL certificates, and even file connectivity provides a complete view of domains and IPs where threats are staged.

Automated statistical models identify malicious destinations
Similar to Amazon learning from shopping patterns to suggest the next purchase, or Pandora learning from music listening patterns to play the next song, we learn from internet activity patterns to identify attacker infrastructure being staged for the next threat.

Learn Why We're So Fast & Reliable

- For network teams, go to cs.co/point-dns/ to learn how we've maintained 100% uptime since 2006.
- For sysadmin teams, go to cs.co/lightweight to learn why virtually no PC resources are used.

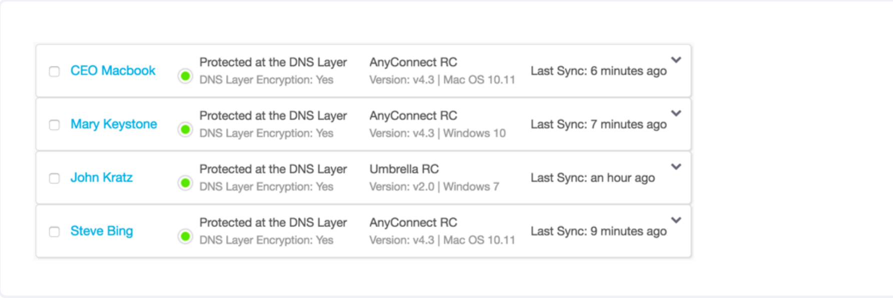
Simple for both security & sysadmin teams

1 Enable Roaming in Minutes

- Simply enable the Roaming Security module available in Cisco AnyConnect v4.3 for Windows or Mac OS X.

OR

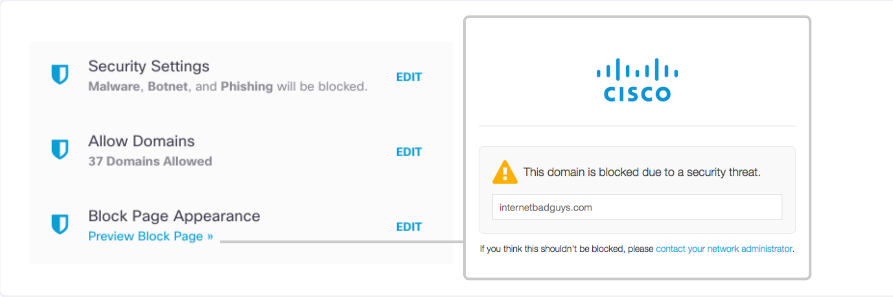
- Deploy a stand-alone Umbrella Roaming Client for Windows or Mac OS X alongside any other remote access VPN client.



□ CEO Macbook	●	Protected at the DNS Layer DNS Layer Encryption: Yes	AnyConnect RC Version: v4.3 | Mac OS 10.11	Last Sync: 6 minutes ago
□ Mary Keystone	●	Protected at the DNS Layer DNS Layer Encryption: Yes	AnyConnect RC Version: v4.3 | Windows 10	Last Sync: 7 minutes ago
□ John Kratz	●	Protected at the DNS Layer DNS Layer Encryption: Yes	Umbrella RC Version: v2.0 | Windows 7	Last Sync: an hour ago
□ Steve Bing	●	Protected at the DNS Layer DNS Layer Encryption: Yes	AnyConnect RC Version: v4.3 | Mac OS 10.11	Last Sync: 9 minutes ago

2 Global Security by Default

- As soon as Roaming Security is enabled, mobile workers are protected against malicious destinations.
- If a threat is requested via a web browser, end-users receive a customizable block page.
- To immediately access a blocked site, just allow the domain.



Security Settings
Malware, Botnet, and Phishing will be blocked. EDIT

Allow Domains
37 Domains Allowed EDIT

Block Page Appearance
Preview Block Page » EDIT

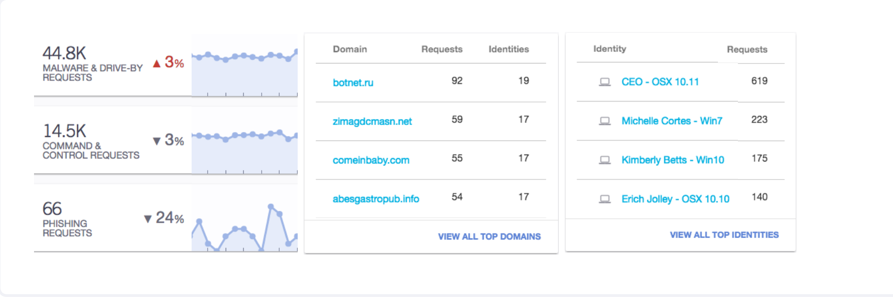
This domain is blocked due to a security threat.

internetbadguys.com

If you think this shouldn't be blocked, please contact your network administrator.

3 Instant Visibility into Threats

- View your daily, weekly, or monthly security events occurring off-network either in your inbox or our dashboard.
- Check if threats are trending up or down as well as the domains and laptops with the most security events.
- Respond to an incident by drilling into the full activity per domain or laptop.



44.8K MALWARE & DRIVE-BY REQUESTS ▲ 3%

14.5K COMMAND & CONTROL REQUESTS ▼ 3%

66 PHISHING REQUESTS ▼ 24%

Domain	Requests	Identities
botnet.ru	92	19
zimagdcmasn.net	59	17
comeinbaby.com	55	17
abesgastropub.info	54	17

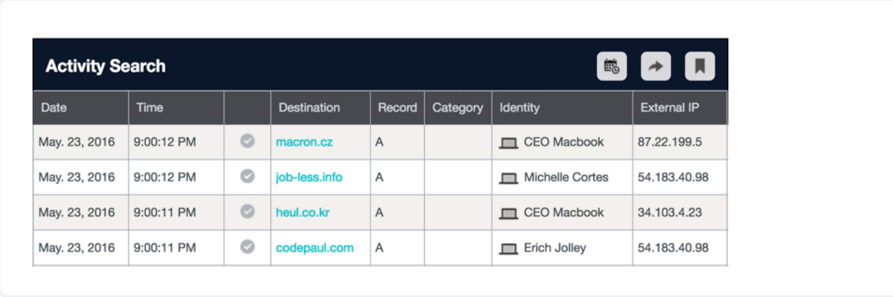
VIEW ALL TOP DOMAINS

Identity	Requests
CEO - OSX 10.11	619
Michelle Cortes - Win7	223
Kimberly Betts - Win10	175
Erich Jolley - OSX 10.10	140

VIEW ALL TOP IDENTITIES

4 Detailed Logs for Incident Response

- View and optionally filter the last 30 days of detailed, real-time Internet activity by time, domain, category, laptop, or IP location.
- "Top N" summary reports are retained for up to 2 years and can be scheduled to your and others' inboxes.



Activity Search

Date	Time		Destination	Record	Category	Identity	External IP
May. 23, 2016	9:00:12 PM	✓	macron.cz	A		CEO Macbook	87.22.199.5
May. 23, 2016	9:00:12 PM	✓	job-less.info	A		Michelle Cortes	54.183.40.98
May. 23, 2016	9:00:11 PM	✓	heul.co.kr	A		CEO Macbook	34.103.4.23
May. 23, 2016	9:00:11 PM	✓	codepaul.com	A		Erich Jolley	54.183.40.98