



TWO SIMPLE SOLUTIONS TO STOP THREATS BEFORE THEY REACH YOUR END USERS

Quickly and Easily Secure On-Premises and Remote Internet Content Access and Usage



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Agenda

Company Overview

Cisco Umbrella

Cisco AMP for Endpoints

Case Studies

Next Steps

Questions

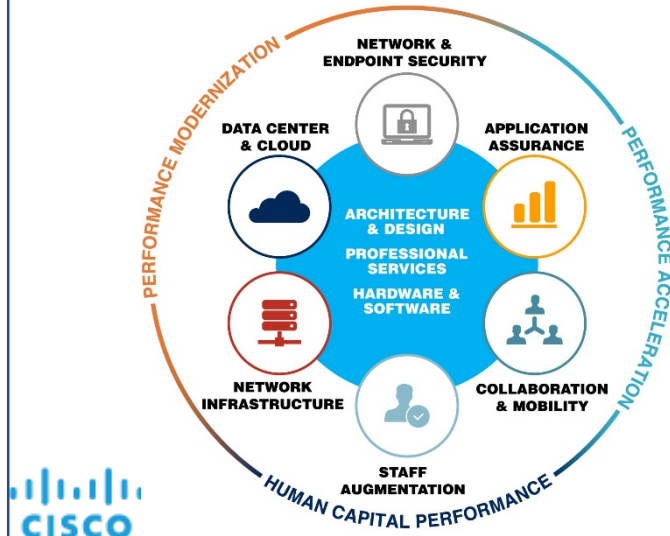


Networking For Future (NFF) offers a performance-focused approach to delivering transformational IT business solutions

Networking For Future, Inc. (NFF)

- Founded in 1996
- Headquartered in Washington, DC
- 130+ Employees
- 77% of workforce hold industry certifications

IT Business Solutions



Strategic Partners

- Cisco Gold Partner
- Riverbed Premier
- Splunk Partner
- NetApp Gold
- VMware Enterprise Partner
- Microsoft Certified Silver
- Gigamon
- F5 Networks
- CoreSite

Strategic Contract Vehicles

- GSA Schedule (GS-35F-0197L)
- District of Columbia Supply Schedule
 - MOBIS and ITES
- Maryland Education Enterprise Consortium (MEEC)
- Maryland Consulting and Technical Services (CATS+)
- Fairfax County Public Schools
- Maryland DoIT Hardware Master Contract

District of Columbia
Certified Business
Enterprise (CBE)

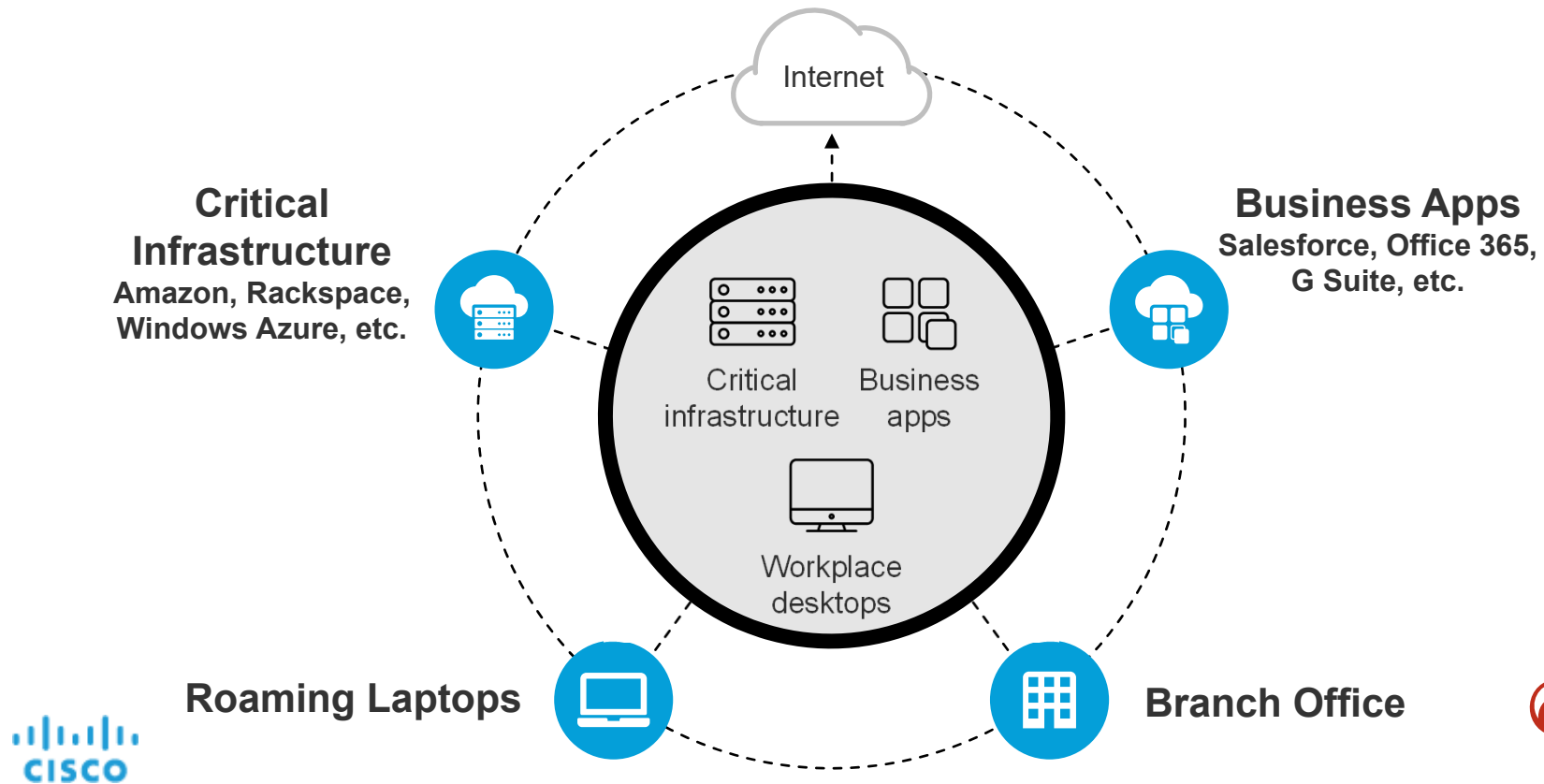


Clients

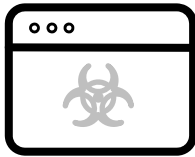
GOVERNMENT	EDUCATION	NON-PROFIT	COMMERCIAL	TRANSPORTATION AND UTILITIES	HEALTHCARE
<ul style="list-style-type: none"> ■ U.S. Census Bureau ■ U.S. Navy ■ U.S. Air Force ■ General Services Administration ■ United Services Organizations ■ DC Government Offices and Departments 	<ul style="list-style-type: none"> ■ Georgetown University ■ Montgomery College ■ Alexandria Public Schools ■ The Catholic University of America ■ University of the District of Columbia ■ DC Public Schools 	<ul style="list-style-type: none"> ■ Smithsonian Institution ■ Better Business Bureau ■ National Association of Convenience Stores ■ American Alliance of Museums ■ NeighborWorks America ■ National Association of College and University Attorneys 	<ul style="list-style-type: none"> ■ The MITRE Corporation ■ Cisco Systems ■ Contact Solutions ■ Perdue Farms, Inc ■ Hexaware / FREDDIE MAC ■ CSSI, Inc. ■ United Parcel Service ■ National Cooperative Bank ■ Smartronix ■ SpaceNet ■ Virginia Tech Applied Research Corp ■ Newseum 	<ul style="list-style-type: none"> ■ Washington Metropolitan Area Transit Authority ■ Metropolitan Washington Airports Authority ■ DC Water ■ Washington Suburban Sanitary Commission ■ DC Office of Cable Television 	<ul style="list-style-type: none"> ■ Novant Health Systems ■ Shady Grove Fertility ■ DC Health Benefit Exchange Authority ■ SureScripts



The Way We Work Has Changed



Your Challenges



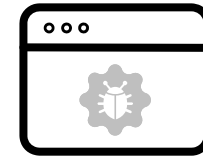
Malware and
Ransomware



Command and Control
(C2) Callback



Malicious File and
Behavior Detection



Outbreak Control
and Quarantine





Insta-Poll

How confident are you that you have the coverage you need?

- ☐ Very confident (not sure why I'm at this webinar)
- ☐ Moderately confident
- ☐ Constant worry
- ☐ Keeps me up at night
- ☐ Scared to death (sign me up for a Proof of Value)

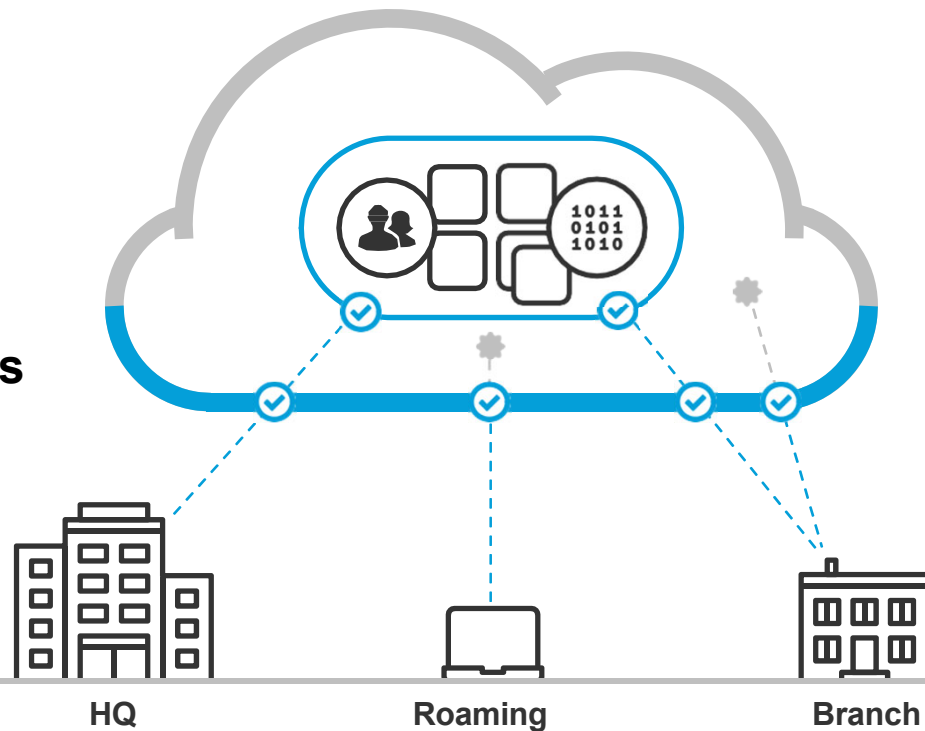
Our Solution

Cisco Umbrella

First line of defense against Internet threats

Cisco AMP for Endpoints

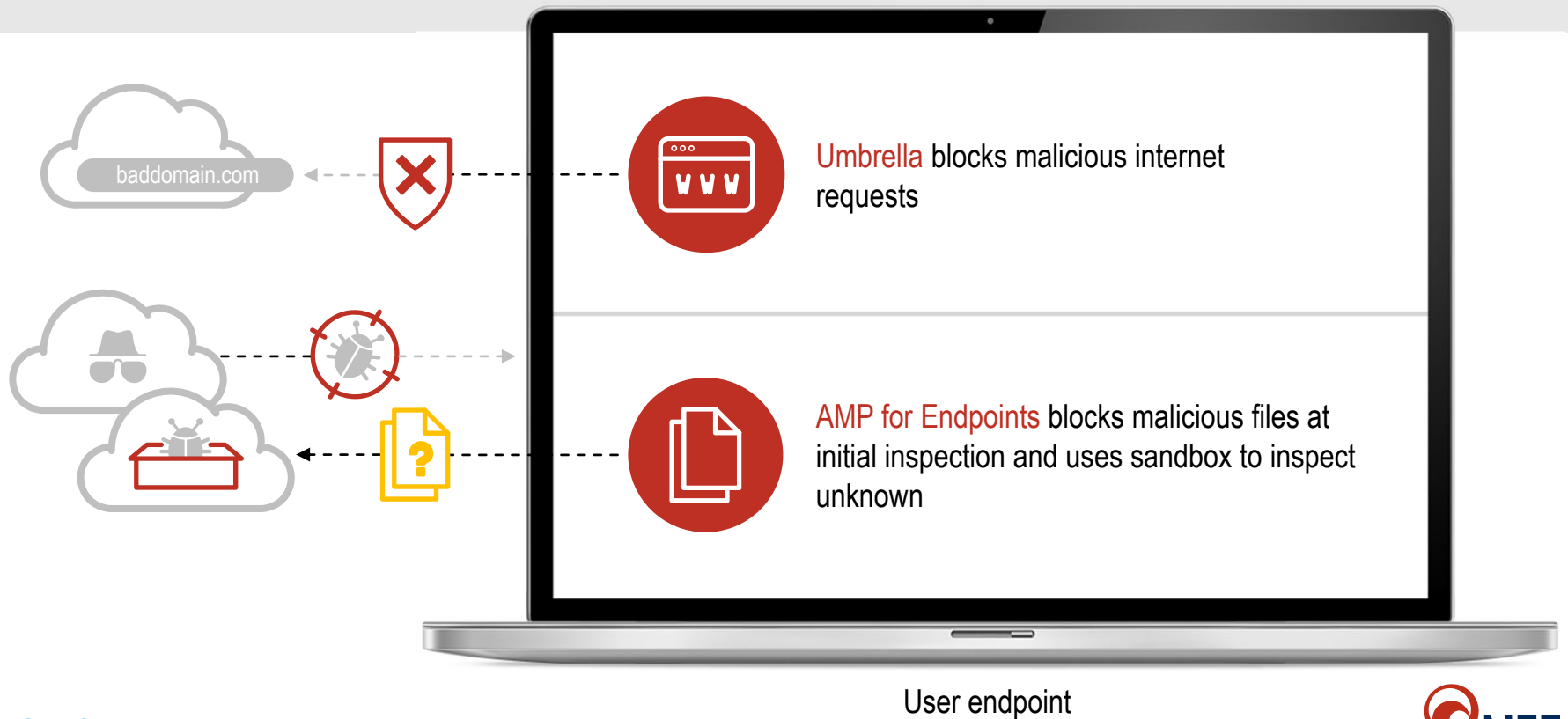
Secures against malicious files and malicious behavior



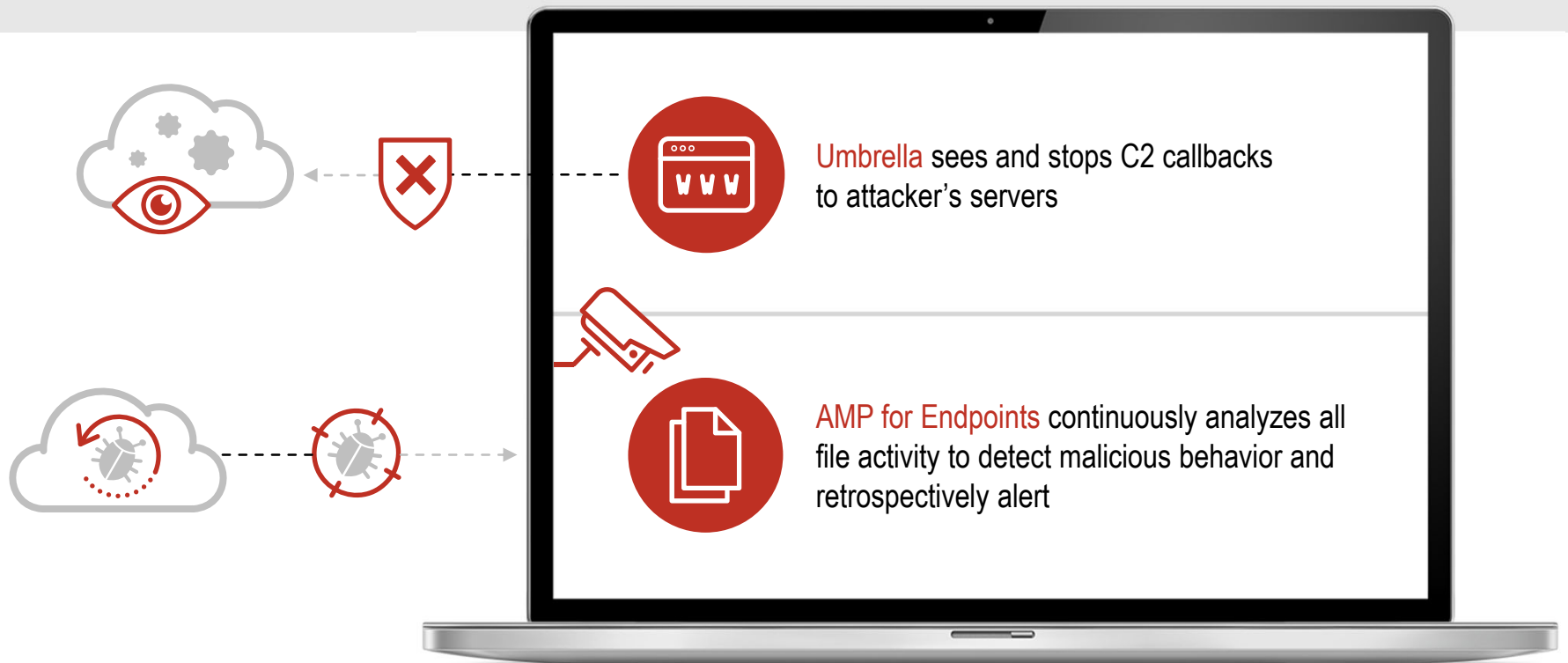
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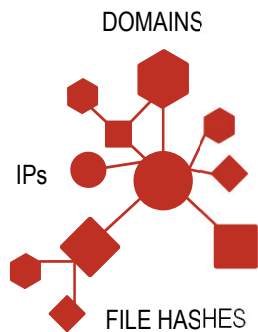
Prevent



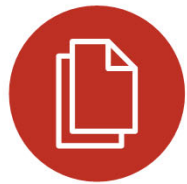
Detect



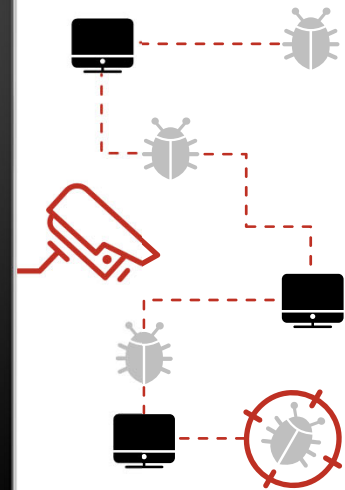
Respond



Umbrella Investigate provides current and historical data on domains, IPs, and file hashes



AMP for Endpoints shows full history of compromise, and provides outbreak control and quarantine capabilities



Security team



Case Study: PTC



Number of users and locations protected:

8K end users across 7 major hubs worldwide, including U.S., South America, India, Singapore, and the U.K.

Challenge:

Reduce malware infections, increase insight of potential threat sources, improve reporting.

Solution:

Umbrella and Investigate

Impact:

- Prevent malicious connections and data exfiltration
- Extend protection with FireEye integration
- Obtain intelligence on threat sources before attacks
- Reduced reporting from hours to minute



“It took less than ten minutes for us to point our DNS traffic to the Umbrella Global Network. We could protect our remote offices around the world in less than an hour and a half.”

Mark Arnold
Director of Information Security



Case Study: Mobile County Public School System



Employees: 7,500 **Endpoints:** 27,000

Objective: MCPSS knew they needed to increase security as attacks accelerated and became more sophisticated. To reduce administration costs and to optimize performance, the solution had to be cloud-based.

Solution: Cisco AMP for Endpoints

Impact:

- Protection on and off network
- Deep visibility into all endpoint activity
- Rapid time to detection



“AMP brings Mobile County peace of mind because it’s a global product that keeps us safe from emerging threats and the vulnerabilities we couldn’t see before.

George Mitchell

Head of Research and Development, MCPSS
Mobile County Public School System



Real Customer Results

Umbrella

**“Reduced infections by 98%
... saved 1.7 months of
user downtime per year”**

**“Cut incident response
time by 25-30%”**

**“Increased threat detection
by 200%...reduced incident
response time by 10 days”**

**“Decreased the number of
ransomware outbreaks to
zero for last 8 months.”**

AMP for Endpoints



Next Steps

- Discover the impact these solutions can have on your organization
- Contact Chris Raye at 240-281-5209 and craye@nffinc.com
 - More Information
 - Demonstration
 - Proof of Value
- Share webinar recording with your friends





Questions?



**Your performance improvement
is our measure of success.**

Thank You!



Your Challenges



Malware and
ransomware



Gaps in visibility
and coverage

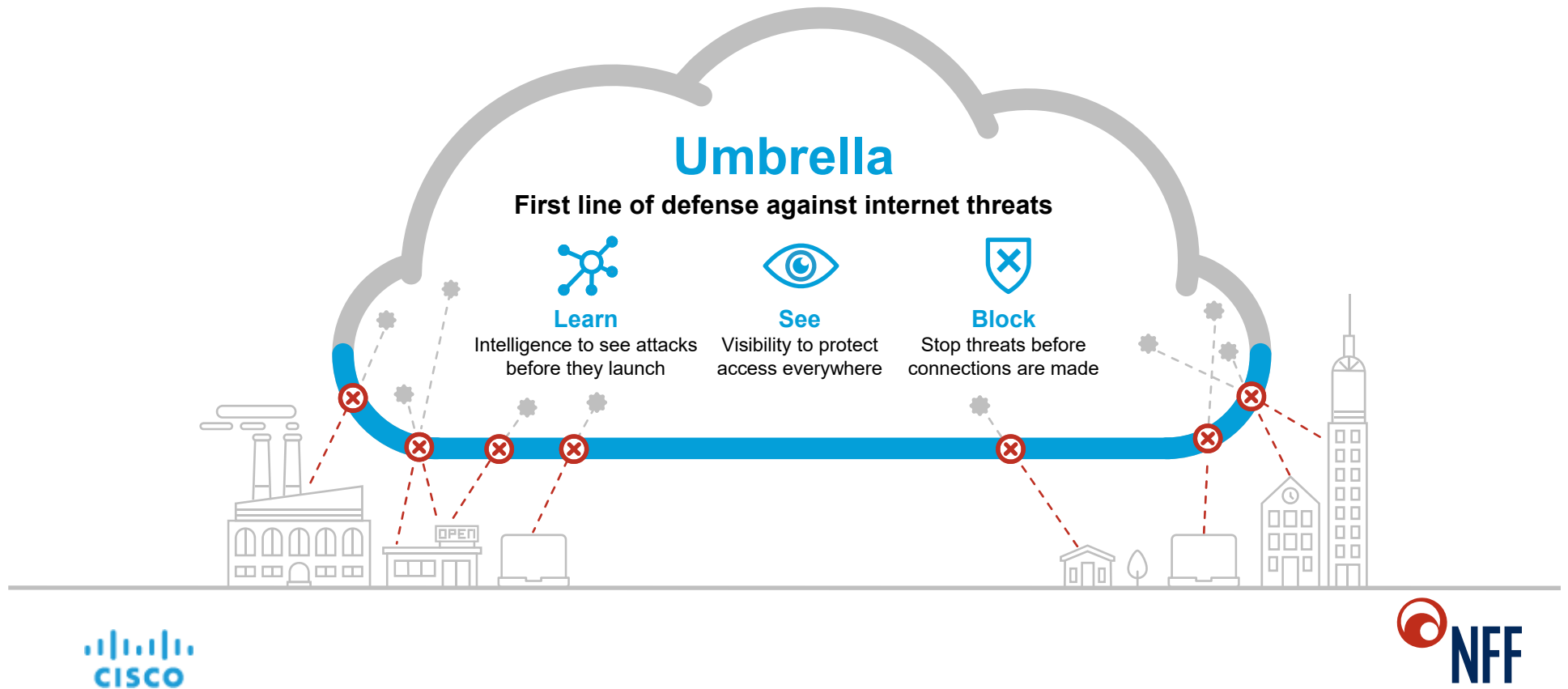


Compromised
accounts and
malicious insiders

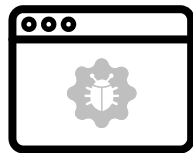


Data breaches
and compliance

Cisco Umbrella



Prevents Connections Before And During The Attack



Web and email-based infection

Malvertising / exploit kit
Phishing / web link
Watering hole compromise



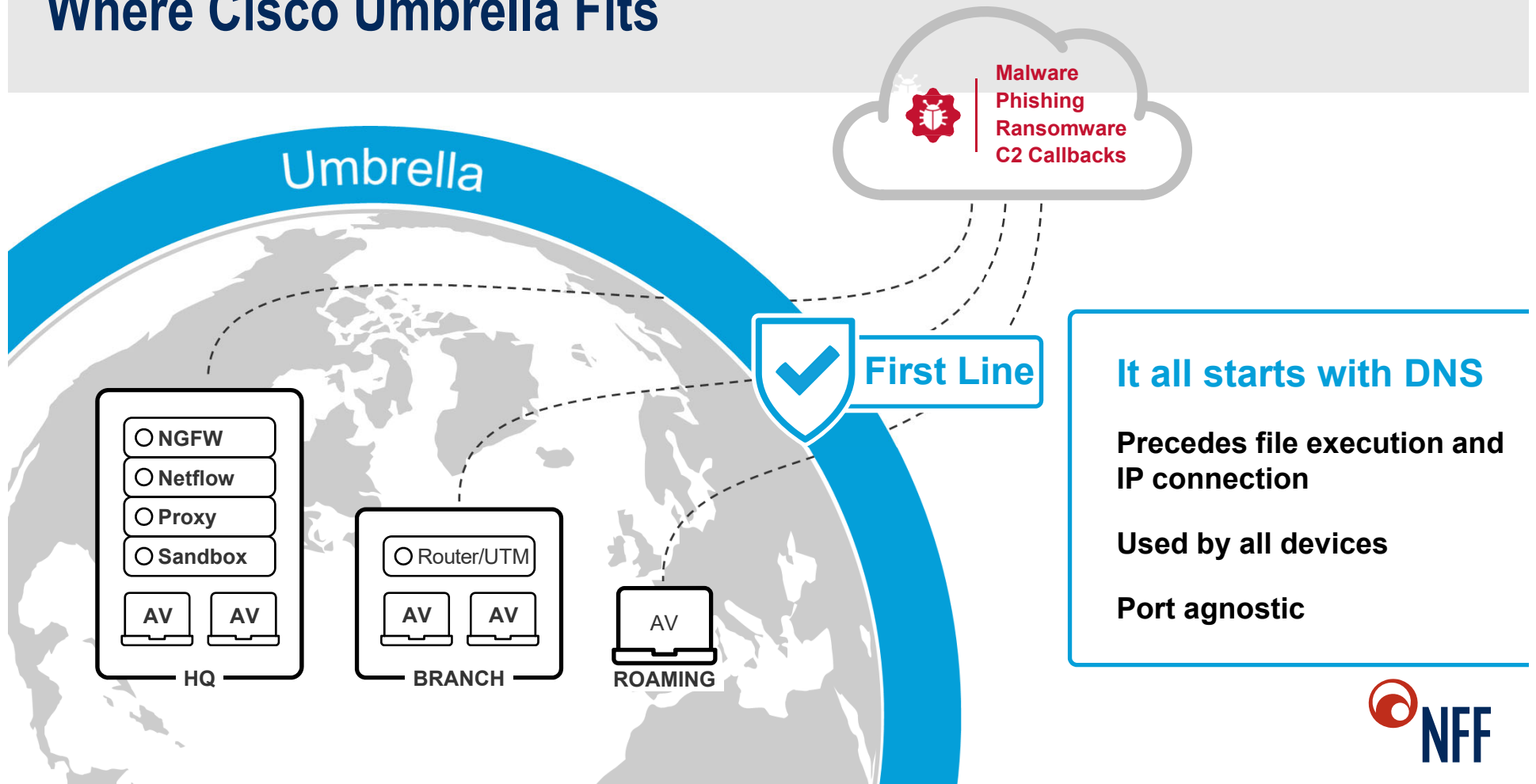
Command and control callback

Malicious payload drop
Encryption keys
Updated instructions



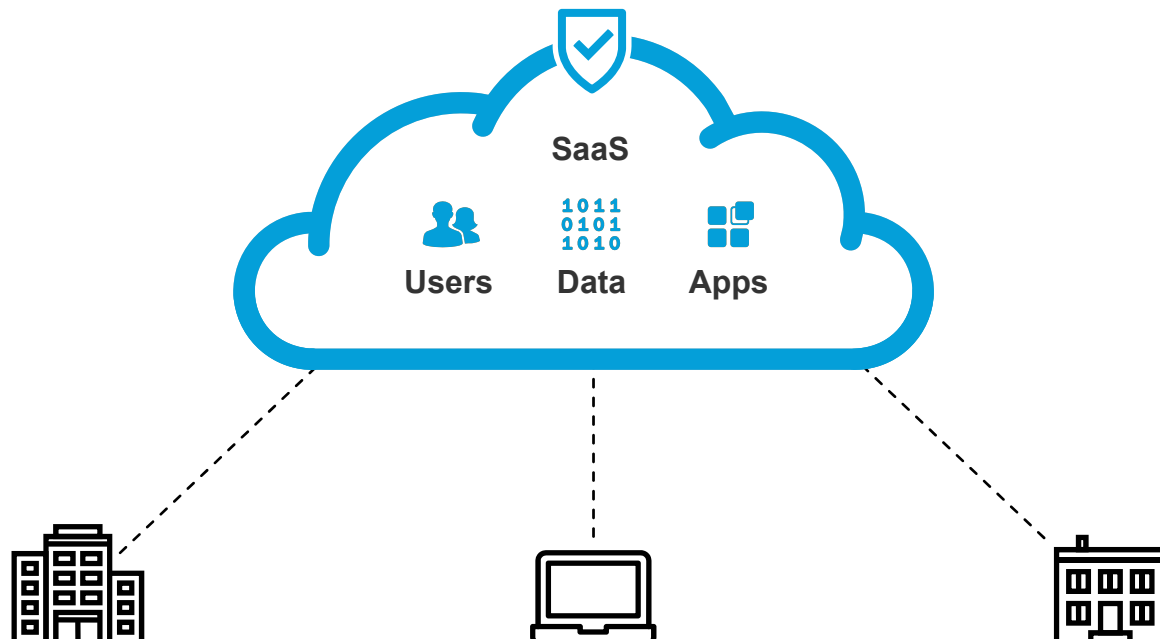
Stop data exfiltration and ransomware encryption

Where Cisco Umbrella Fits



Cisco Cloudlock

Cloud Access Security Broker (CASB)



Addressing Your Most Critical Cloud Security Use Cases

Discover and Control



Compromised Accounts



Insider Threats



Data Exposures and Leakages



Privacy and Compliance Violations



OAuth Discovery and Control



Shadow IT



User and Entity Behavior Analytics



Cloud Data Loss Prevention (DLP)



Apps Firewall

Cloudlock Has Over 70 Pre-Defined Policies



PII

- SSN/ID numbers
- Driver license numbers
- Passport numbers



Education

- Inappropriate content
- Student loan application information
- FERPA compliance



General

- Email address
- IP address
- Passwords/login information



PHI






- HIPAA
- Health identification numbers (global)
- Medical prescriptions



PCI

- Credit card numbers
- Bank account numbers
- SWIFT codes

Cisco Cloud Security

	Umbrella	Cloudlock
 Visibility and control	For all internet activity	For connected OAuth cloud apps
 Threat protection	To stop connections to malicious internet destinations	To protect cloud accounts from compromise and malicious insiders
 Forensics	To investigate attacks with internet-wide visibility	To audit cloud logs
 Data protection	To block C2 callbacks and prevent data exfiltration	To assess cloud data risk and ensure compliance
 Malware / ransomware	To prevent initial infection and C2 callbacks	To prevent cloud-native (OAuth) attacks

Case Study: Cloudera

cloudera

Users: 1,600

Objective: As Cloudera grew, the time-intensive access controls it relied on to help safeguard its data secured in Cloud-based applications struggled to scale.

Solution: Cisco Cloudlock

Impact:

- Secures users and data in Salesforce, Google, Okta and Box
- Increased visibility with cloud tracking and monitoring capabilities
- Ensured integrity and accuracy of massive datasets



“At a time when businesses must take advantage of the cloud to remain competitive, Cloudlock delivers the visibility and protection essential to working securely in the cloud.”

Eddie Garcia

Chief Information Security Officer (CISO)
Cloudera



Case Study: The University of Oklahoma

**Users:**

36,000 - Cloudlock 6,000 - Umbrella

Objective:

OU's campus-wide move to Office 365 required a new security approach to protect its highly sensitive and heavily regulated data on-premises and in the cloud.

Solution:

Cisco Cloudlock
Cisco Umbrella

Impact:

- Quickly remediated a set of compromised accounts
- Significantly decreased malware infections
- Increased blocked threats by thousands per hour
- Secured users, data, and apps in the cloud
- Cut security administration and remediation time



“The all around experience with Cloudlock has been terrific. From DLP to UEBA, we've gotten the visibility we need into our cloud environments and have been able to extend our security policy to those locations.”

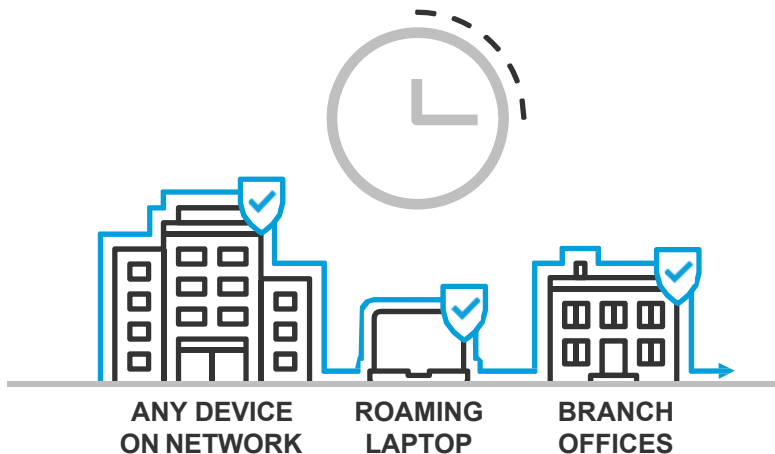
Aaron Baillio

Managing Director, Security Operations and Architecture
University of Oklahoma



Enterprise-Wide Deployment In Minutes

● Sign up



● Deploy

● Point your DNS

On-network coverage

With one setting change

Integrated with Cisco ISR 4K series

Off-network coverage

With AnyConnect VPN client integration

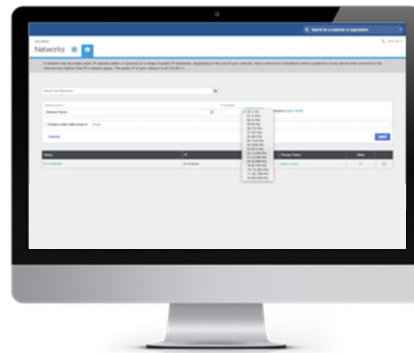
Or with any VPN using lightweight Umbrella client

Enterprise-Wide Deployment In Minutes



1

**Point DNS to
Cisco Umbrella**



2

**Configure network IP
address on Cisco Umbrella**



3

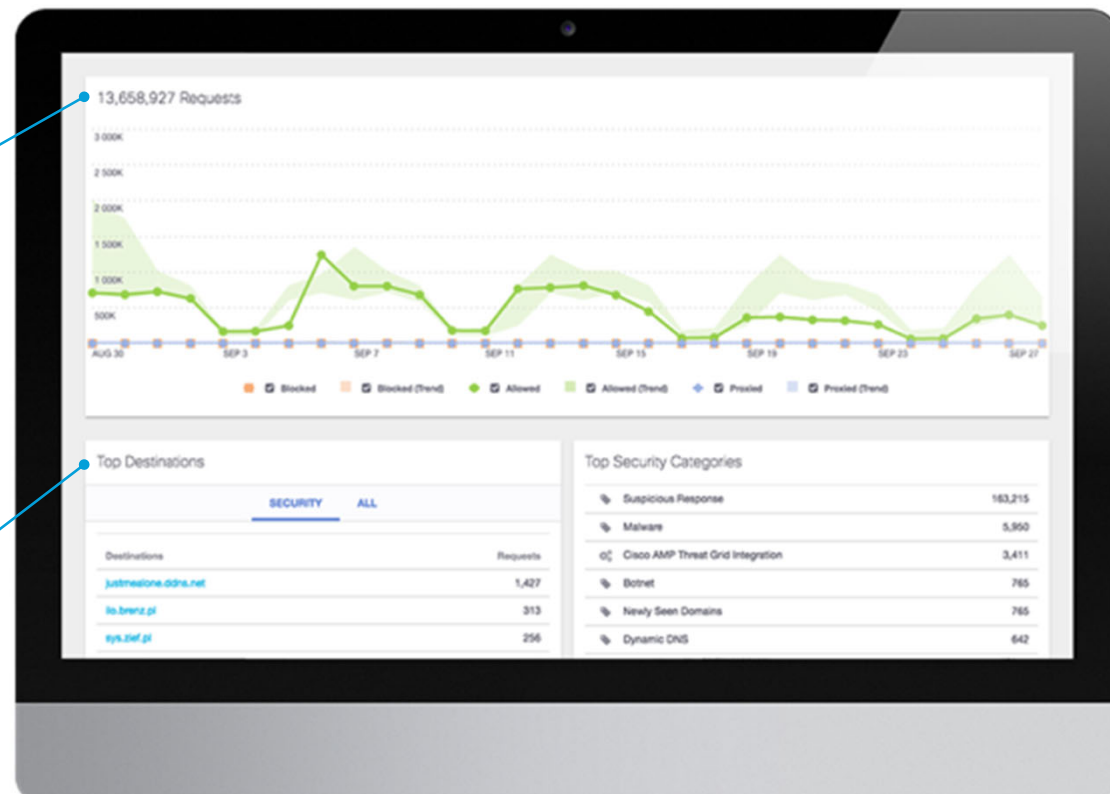
**Enforce
and report**



Identity Reports: Quickly spot and remediate victims

Allowed, blocked, and proxied traffic per device or network

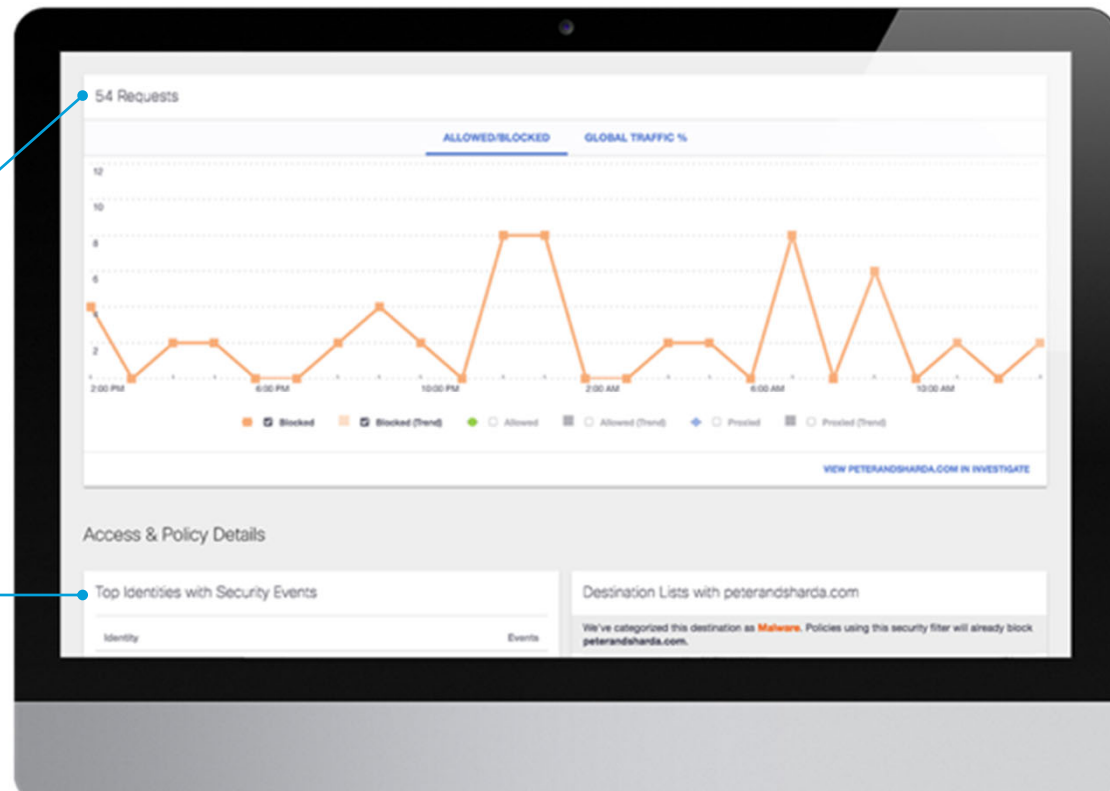
Top activity and categories per device or network



Destination Reports: Quickly assess extent of exposure

Local vs. global trends for malicious domains

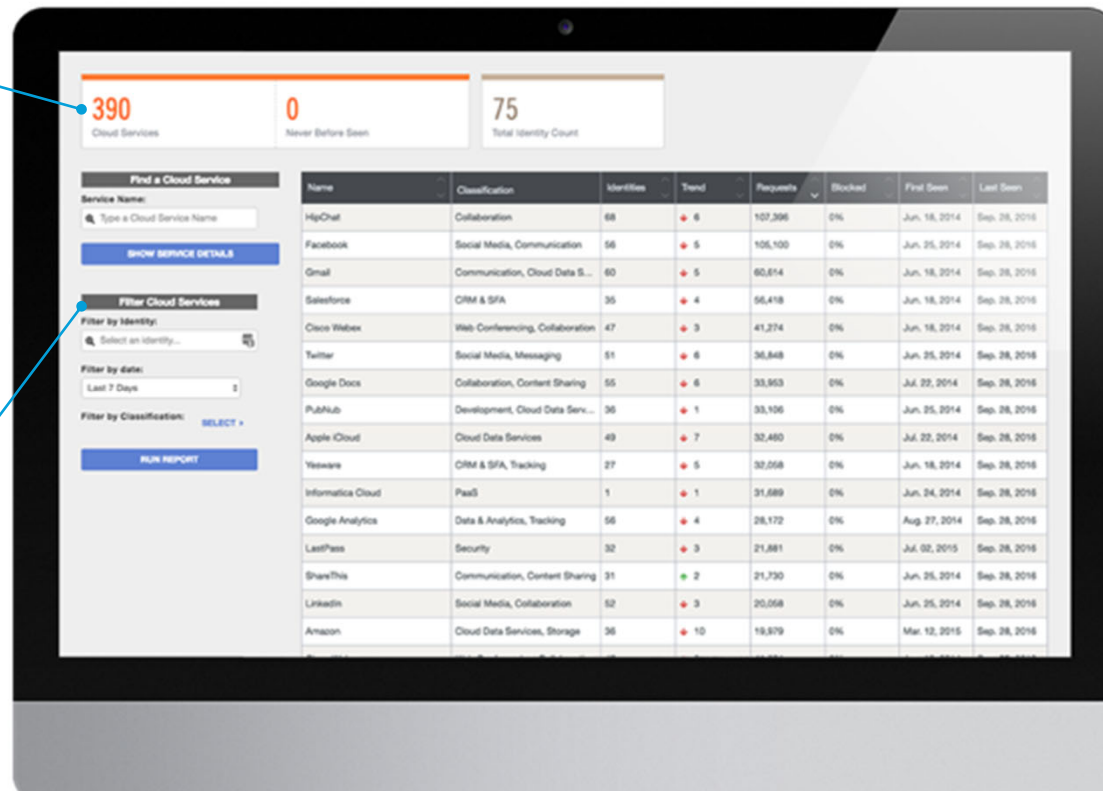
Top identities associated with malicious activity



Cloud Services Report: Effectively combat shadow IT

Total and newly
seen cloud
services

Cloud apps by
classification
and traffic volume



Customer testimonials

“Cisco Advanced Malware Protection, in combination with Cisco Umbrella, has decreased the number of ransomware outbreaks to zero during the last 8 months.”

Freek Bosscha
IT Architect, NHL

“We have much greater confidence in the security of our endpoints with Cisco Umbrella combined with Cisco AMP. We have had zero malware infections since our implementation 3 years ago.”

Engineer
Medium Enterprise
Financial Services Company

