

Cisco Security

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Agenda

Problemas Seguridad
Cisco Cloud Security
Demos

Digitalización - Problemas Seguridad



TRANSFORMACION DIGITAL NUEVOS MODELOS DE NEGOCIO

+Superficie Ataque Movilidad, Nube, Perímetro desaparece, 50B dispositivos 2020, IoT, BYOD, Visibilidad



ENTORNO DE AMENAZAS DINÁMICO

Nuevos vectores Nuevos atacantes, Ransomware IOT, Sofisticados I+D, IOT



COMPLEJIDAD Y FRAGMENTACIÓN

TTD+100 días, Falta personal Muchos fabricantes No integración/Automatización



GDPR – Reglamento General de Protección de Datos

- Organizations which collect and manage personal information, purpose, where stored, who access.
- Must able to Protect it and demonstrate technical and organizational measures to ensure a level of security appropriate to the risk. (Processes and Technology).
- Obligation to notify a breach 72h. (Ways to detect a breach)
- is **NOT** an option. It becomes mandatory in May 2018
- Not being compliant may result in huge fines (up to 20M€ or 4% of the annual revenue)

Un ataque informático masivo con 'ransomware' afecta a medio mundo

En España, el virus ha llegado a grandes compañías como Telefónica, que han tenido

que apagar ordenadores o desconectarlos de la red



- Most profitable malware in history
- Lucrative: Direct payment to attackers!
- Cyber-criminals collected \$209
 million in the first three months of
 2016 by extorting businesses and
 institutions to unlock computer
 servers.
- At that rate, ransomware is on pace to be a \$1 billion a year crime this year.
- Let's take an example:
 - Looking only at the Angler exploit kit delivering ransomware
 - \$60 million dollars a year

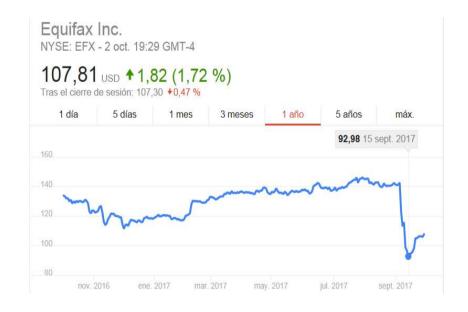


27 Septiembre, 2017

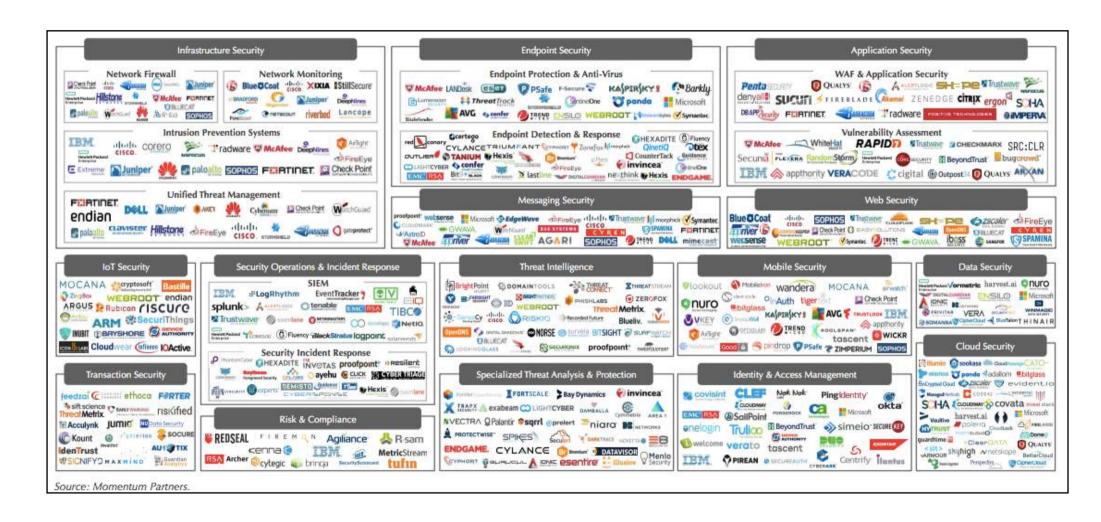
El presidente de Equifax dimite tras el ciberataque

EFE, Madrid

La compañía de solvencia crediticia Equifax anunció ayer la salida de Richard Smith como máximo directivo de la compañía, semanas después de un pirateo informático que pudo haber expuesto datos privados de 143 millones de personas.



SOLUCION INDUSTRIA - COMPLEJIDAD



SOLUCION INDUSTRIA - COMPLEJIDAD



Gartner Advice

"By 2018, more than 50% of the cost of implementing systems will be spent on integration"

> Peter Sondergaard Senior VP and Global Head of Research Gartner

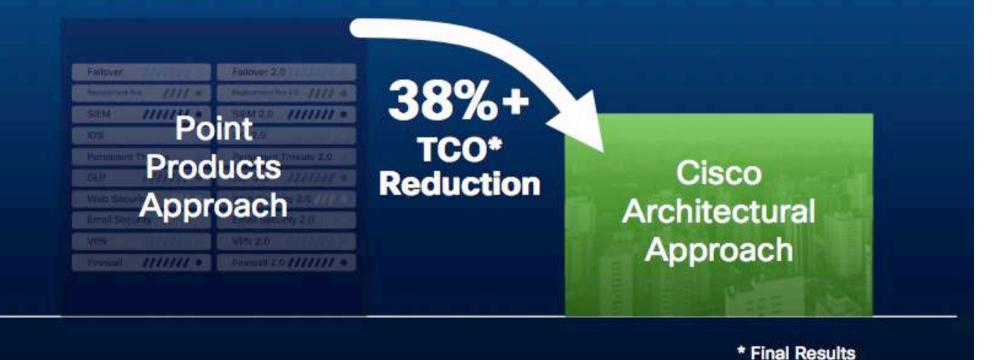


The Most Complete Security Portfolio in Industry





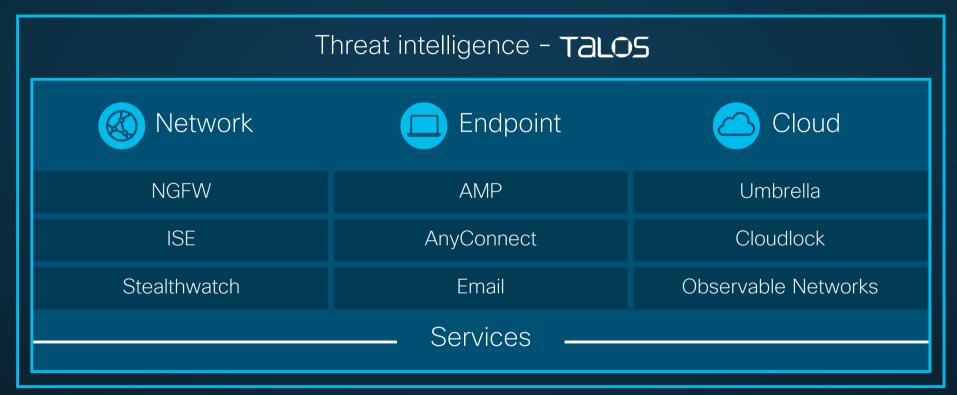
An integrated threat defense also saves money



cisco

FORRESTER

Cisco Security Architecture -Security that works together





The Most Complete Security Portfolio in Industry

ANTES

DURANTE

DESPUÉS

Política y Control

Control Cumplimiento Endurecimiento

Identificación y Bloqueo

Detección Bloqueo Defensa

Análisis y Remediación

Alcance Contención Remediación

Visibilidad Local Cisco ProGRID

- Cisco Firepower



Cisco ISE



Cisco Firepower



- Cisco WSA



Email Cisco ESA/CES



- Cisco AMP



- Cisco CloudLock



Analítica - Cisco CTA

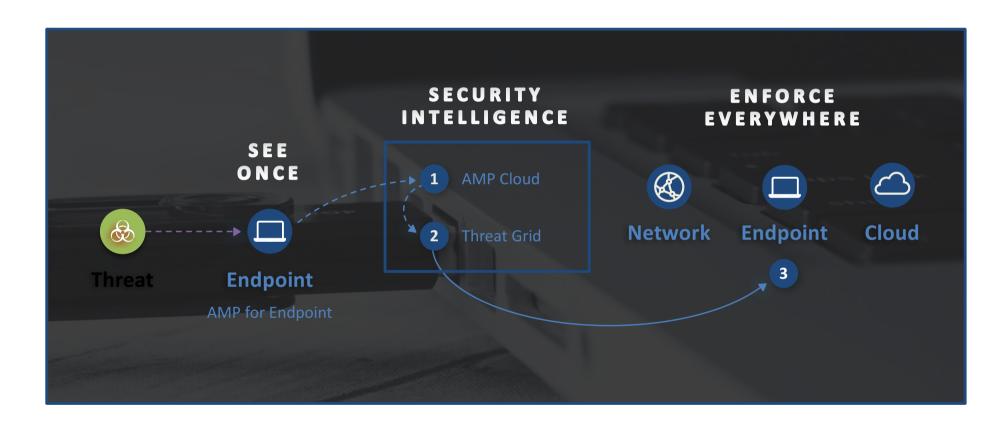


- Cisco StealthWatch NBA y Cisco Umbrella SIG

Visibilidad Global

Cisco WALLOS

The Architectural Advantage in Action

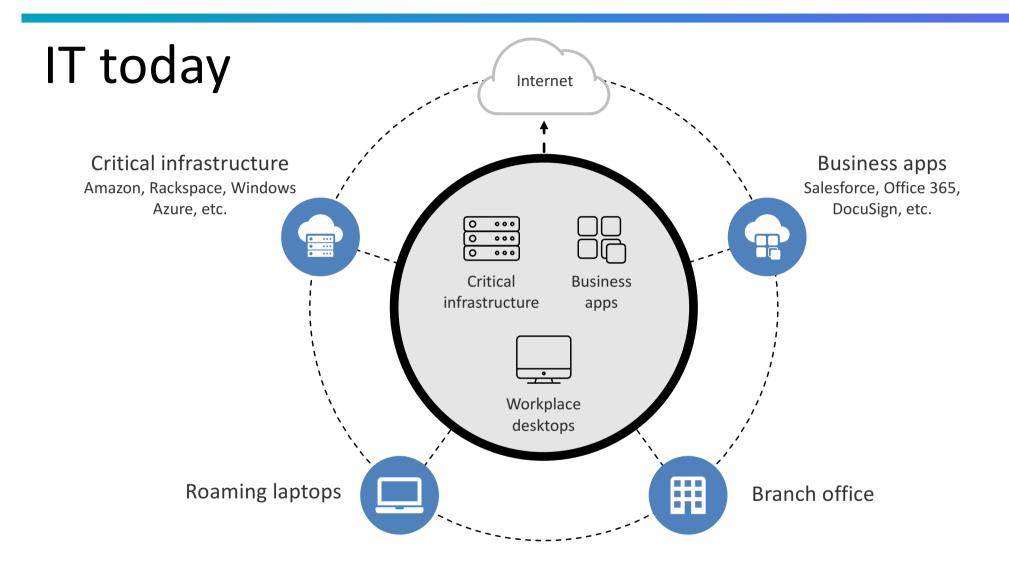


Primera linea Defensa Umbrella

cisco Umbrella

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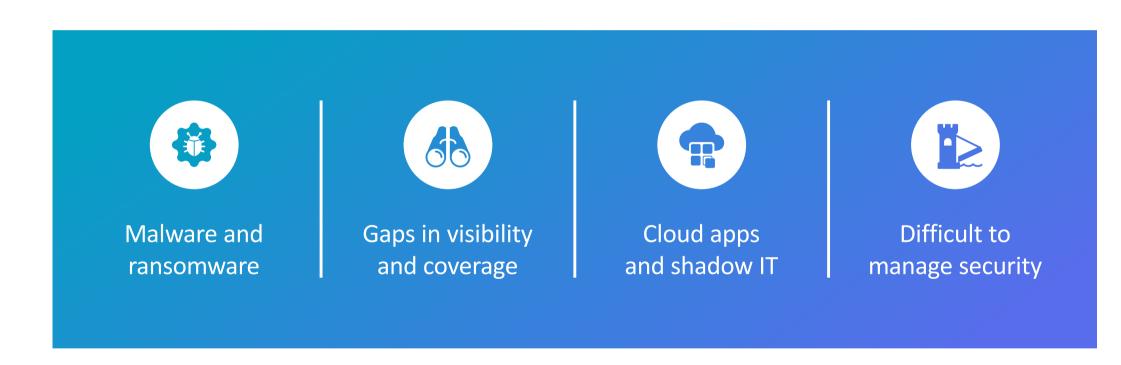
desktops



By 2018, Gartner estimates:

25% of corporate data traffic will bypass perimeter security.

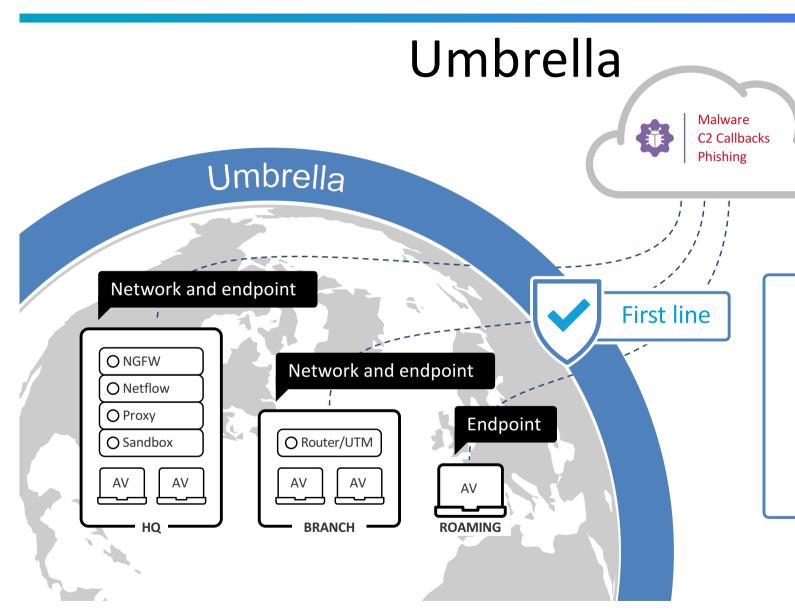
Umbrella



Easiest security product you'll ever deploy

- 1 Signup
- Point your DNS
- 3 Done





It all starts with DNS

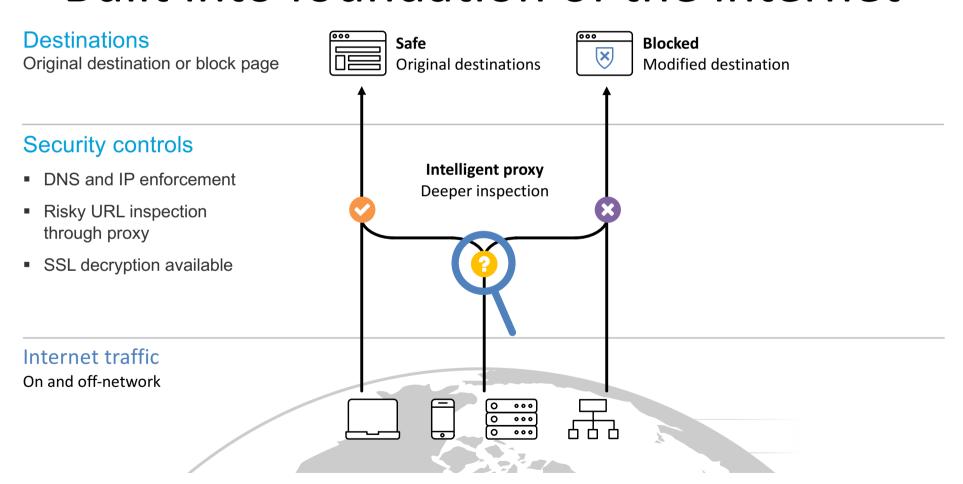
Precedes file execution and IP connection

Used by all devices / IOT

Port / App / SO agnostic

ENFORCEMENT

Built into foundation of the internet

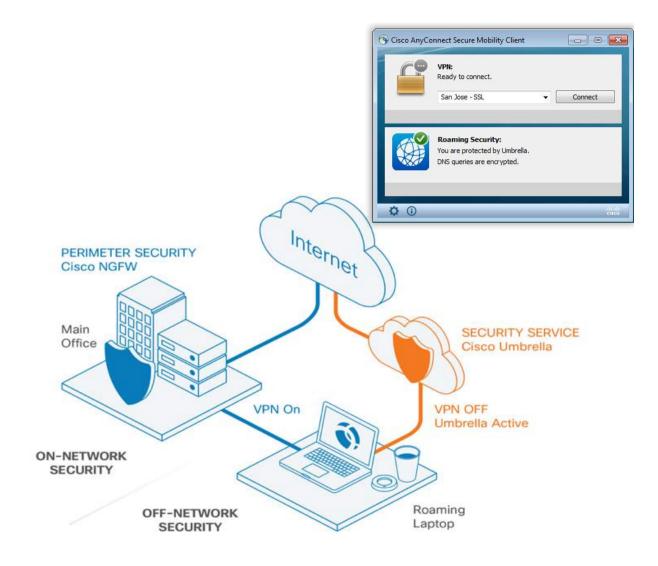


Simplificación OpenDNS

AnyConnect + Umbrella

Key Features

- Malware, botnets, phising
- Protection when VPN is off or split-tunnel is configured
- Set a single security policy for all roaming laptops
- Customize 1 block page
- Basic reporting available by hostname





Cisco Security Connector The first ever security application for iOS





Resumen Umbrella



BENEFITS

Simple to point DNS

No hardware to install No software to maintain

Provision globally in under 30 minutes

PROTECTION

Threat Prevention

Protects on & off Network

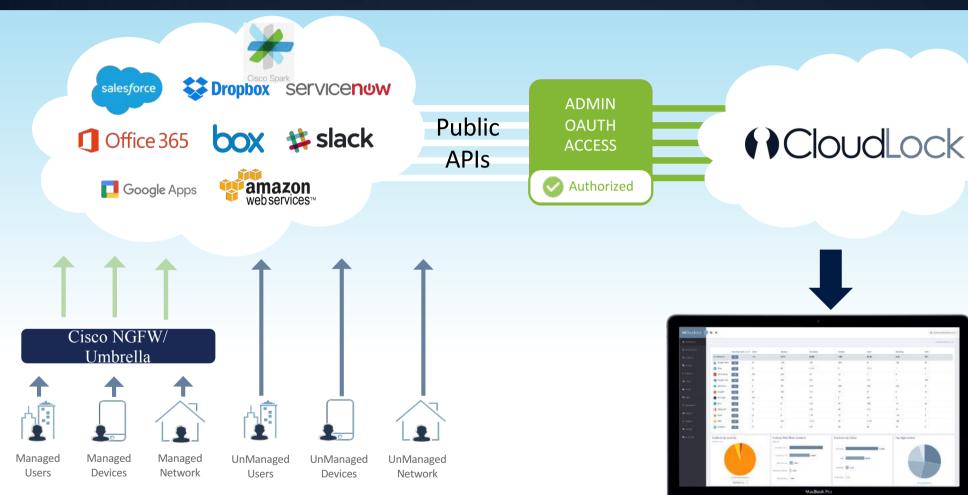
Always Up to Date, not need VPN

Block domains, IPS & URLs all Ports (not only 80/443)

Demo Umbrella cisco Umbrella © 2016 Cisco and/or its affiliates. All rights reserved. Cisco Confidential

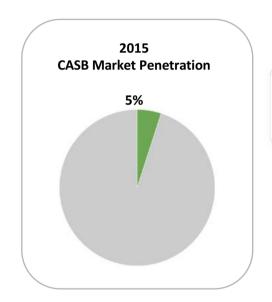
By 2020, 92% of global data center traffic will come from the cloud.

CASB -API Access (Cloud to Cloud)



CloudLock Confidential

Market Opportunity

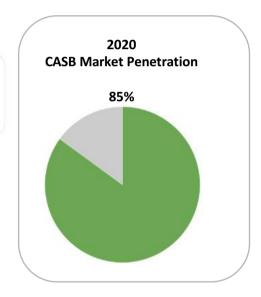




Technology for Information Security in 2016



Broker Source: Gartner, 2016

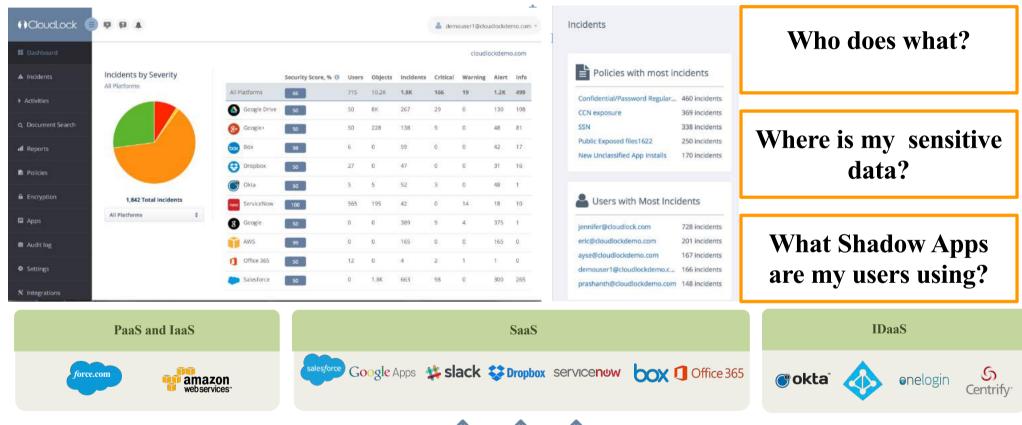


Cloud Shared Responsibility - SaaS/PaaS/IaaS

Infrastruc as a Service			ntform vice (PaaS)		SaaS	
Peopl	e	P	eople		People	
Data		ı	Data		Data	
Applicati	ions	Арр	lications		Application	ons
Runtin	ne	Ru	ıntime		Runtim	е
Middlew	vare	Mid	dleware		Middlewa	are
Operating S	System	Operat	ing System	(Operating Sy	/stem
Virtual Ne	twork	Virtua	l Network		Virtual Net	work
Hypervi	sor	Нур	pervisor		Hypervis	or
Server	rs	Se	ervers		Servers	;
Storag	ge	St	orage		Storage	<u>.</u>
Physical Ne	etwork	Physica	al Network	ſ	Physical Net	work
	CS Respons			ustomer ponsibilit	су	

*Gartner Research Paper: Mind the SaaS Security Gaps Published: 19 May 2016

CASB - Key Cloud Security Questions





Casos de uso criticos en nubes públicas



























Google Docs phishing attack underscores OAuth security risks

One security researcher easily managed to replicate Wednesday's phishing attack.









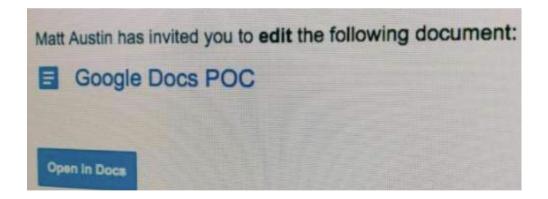






By Michael Kan

U.S. Correspondent, IDG News Service | MAY 5, 2017 4:30 AM PT





M	Read, send, delete, and manage your email	0
=	Manage your contacts	(1)
accordar	ng Allow, you allow this app and Google to use your information ce with their respective terms of service and privacy policies. You and other Account Permissions at any time.	

Over 700 organizations in all segments use Cisco Cloudlock



Demo Cisco Cloudlock