

# Riesgos Cibernéticos: Implicaciones para las aseguradoras y sus asegurados

Martín Hoz

Vice Presidente de Ingeniería, América Latina y Caribe





**PERSONALIZACIÓN**

**CONECTIVIDAD**

**INSTANTANEIDAD**

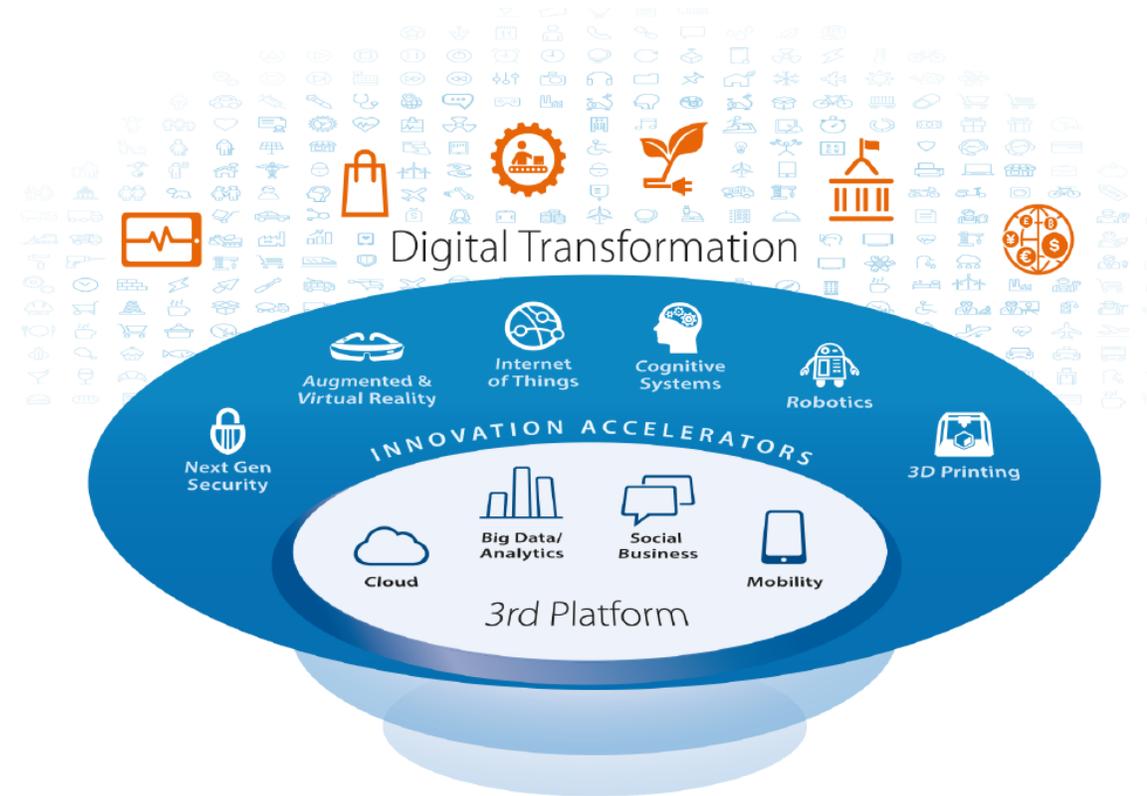
**FORTINET®**

# TRANSFORMACIÓN DIGITAL

## Revolution Information

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-  1 Steam, water, mechanical production equipment
-  2 Division of labour, electricity, mass production
-  3 Electronics, IT, automated production
-  4 Cyber-physical systems



FUENTES:



**FORTINET**®



Vehículos  
Autónomos



Pagos  
Móviles



Bienestar  
Personal



Diagnóstico Médico  
Remoto



Agentes/Asistentes  
Digitales



Edificios  
Inteligentes

# \$7.8T

## LOS DATOS SON EL COMBUSTIBLE PARA LA ECONOMÍA DIGITAL



Dispositivos  
Clínicos IoT



Seguros de auto y casa  
basados en uso



Transporte / Logística



Semáforos / Señales de  
tránsito inteligentes



Sevicios / Consumibles /  
Mantenimiento



Cadena de Suministro  
B2B2C Omni-canal

McKinsey Report: Digital Globalization: The New Era of Global Flows (February, 2016)

**EXPERIENCIA  
DE USO**

**MODELO DE  
NEGOCIO**

**PERCEPCIÓN  
DE VALOR**



**+ EXPERIENCIA DE CLIENTE**

**+ REPUTACIÓN DE MARCA**

**+ LIDERAZGO DE MERCADO**

**- COSTOS**

**- TIEMPOS / ESFUERZOS**

**- RIESGO DE NEGOCIO**



# CIBERSEGURIDAD

FISICA

DIGITAL

BIOLÓGICA

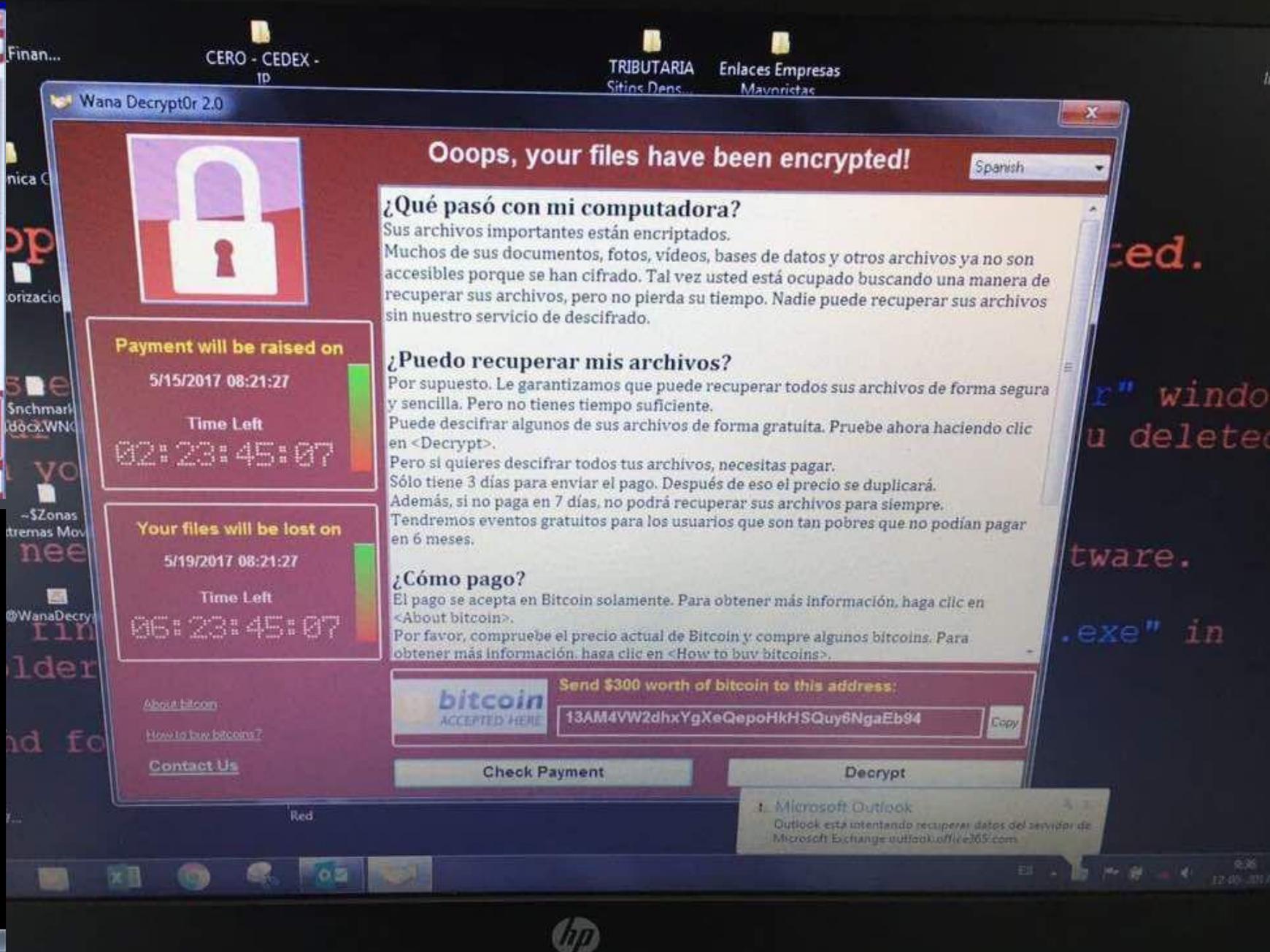
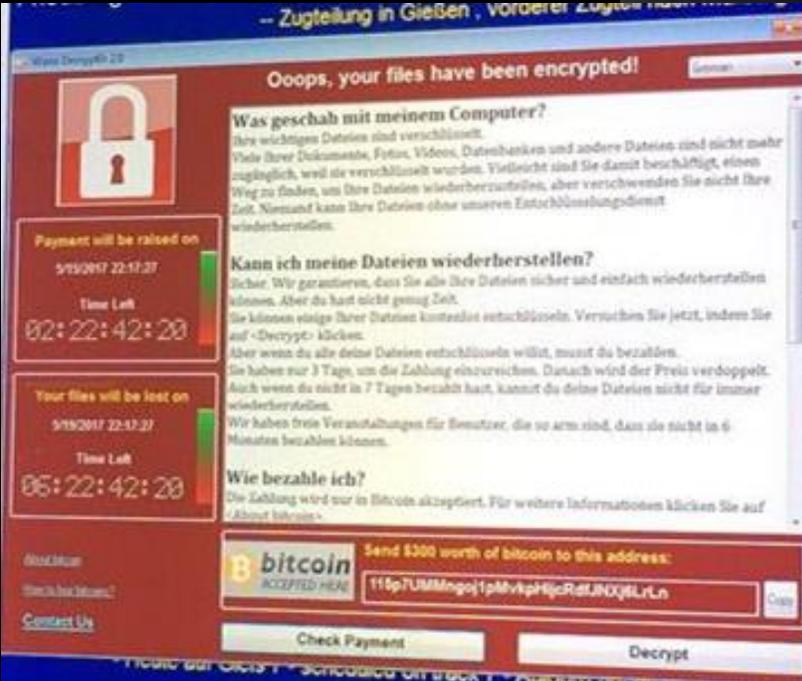
REDUCCIÓN DE RIESGO CIBERNETICO  
EN LA ORGANIZACIÓN Y LOS CLIENTES





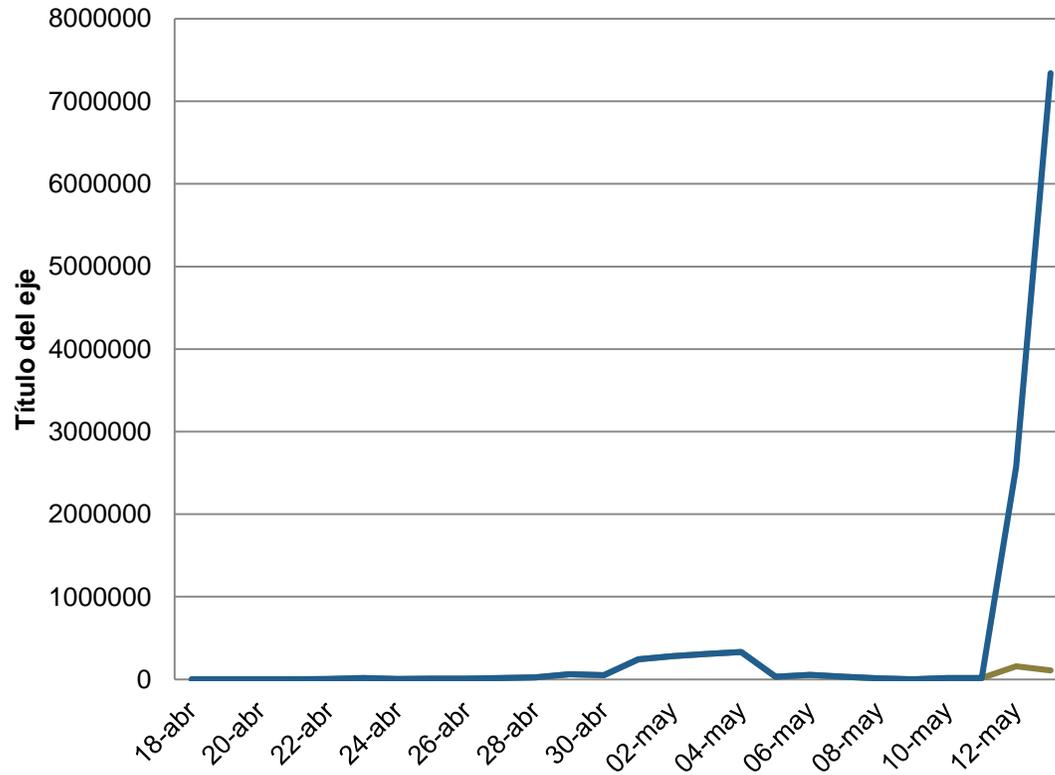
# Hacking de autos

# Ransomware...



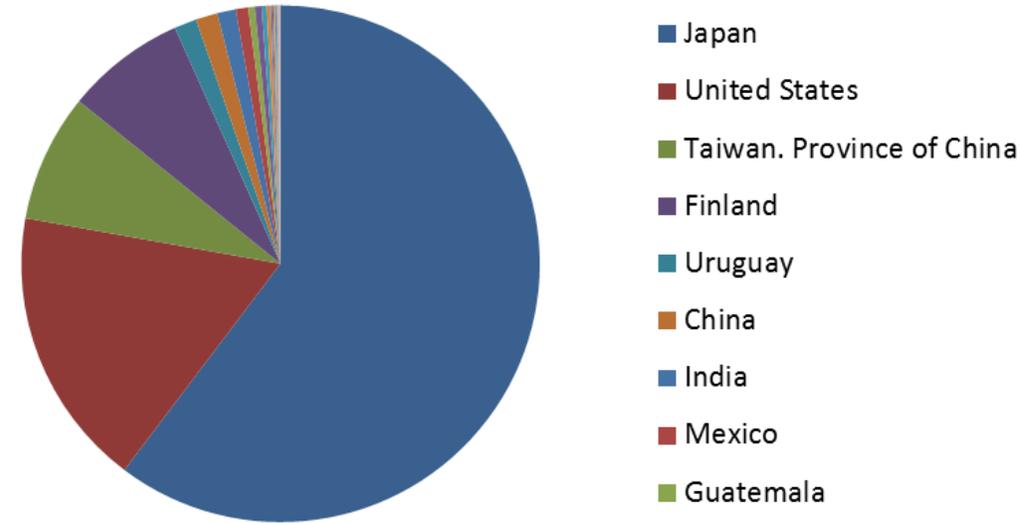
# Estadísticas del Outbreak

## Most Active CVEs



- MS.SMB.Server.Trans.Peeking.Data.Information.Disclosure
- MS.SMB.Server.SMB1.Trans2.Secondary.Handling.Code.Execution

## Países



# Ataques M2M & IoT van en aumento

Agosto: Marcapasos St. Jude ; Oct: Bomba de Insulina J&J

## Stock Story of Two Medical Device Hacks J&J little changed; St. Jude fails to fully recover



## Johnson & Johnson warns of insulin pump hack risk

Elizabeth Weise, USATODAY 3:55 p.m. EDT October 4, 2016



(Photo: Animas Corporation)

SAN FRANCISCO — A major maker of medical devices has for the first time issued a warning about a potential computer security flaw in a consumer product, but cautions that the danger to patients is extremely low.

Johnson & Johnson on Tuesday issued a warning about a possible cybersecurity issue with its Animas OneTouch Ping Insulin Infusion Pump. The problem was first reported by Reuters.

Computer security firm Rapid 7 discovered that it might be possible to take control of the pump via its unencrypted radio frequency communication system that allows it to send commands and information via a wireless remote control. The company alerted Johnson & Johnson, which issued the warning.



POPULAR STORIES

# CIBER – CRIMEN (ORGANIZADO)



- Robo de Identidad
- Ciber Extorsión
- Ransomware
- Acoso
- Mulas de dinero
- Fraude
- Phishing/Estafas

**OFERTA A CLIENTES**

**SEGURIDAD INTERNA**

**NUEVOS PRODUCTOS**

**REDISEÑO DE PRODUCTOS**

**VALOR A PRODUCTOS EXISTENTES**

**INSUMO DE VALOR**

**MITIGACION DE RIESGO**

**REPUTACION / VIABILIDAD**



**FORTINET  
SECURITY  
FABRIC**



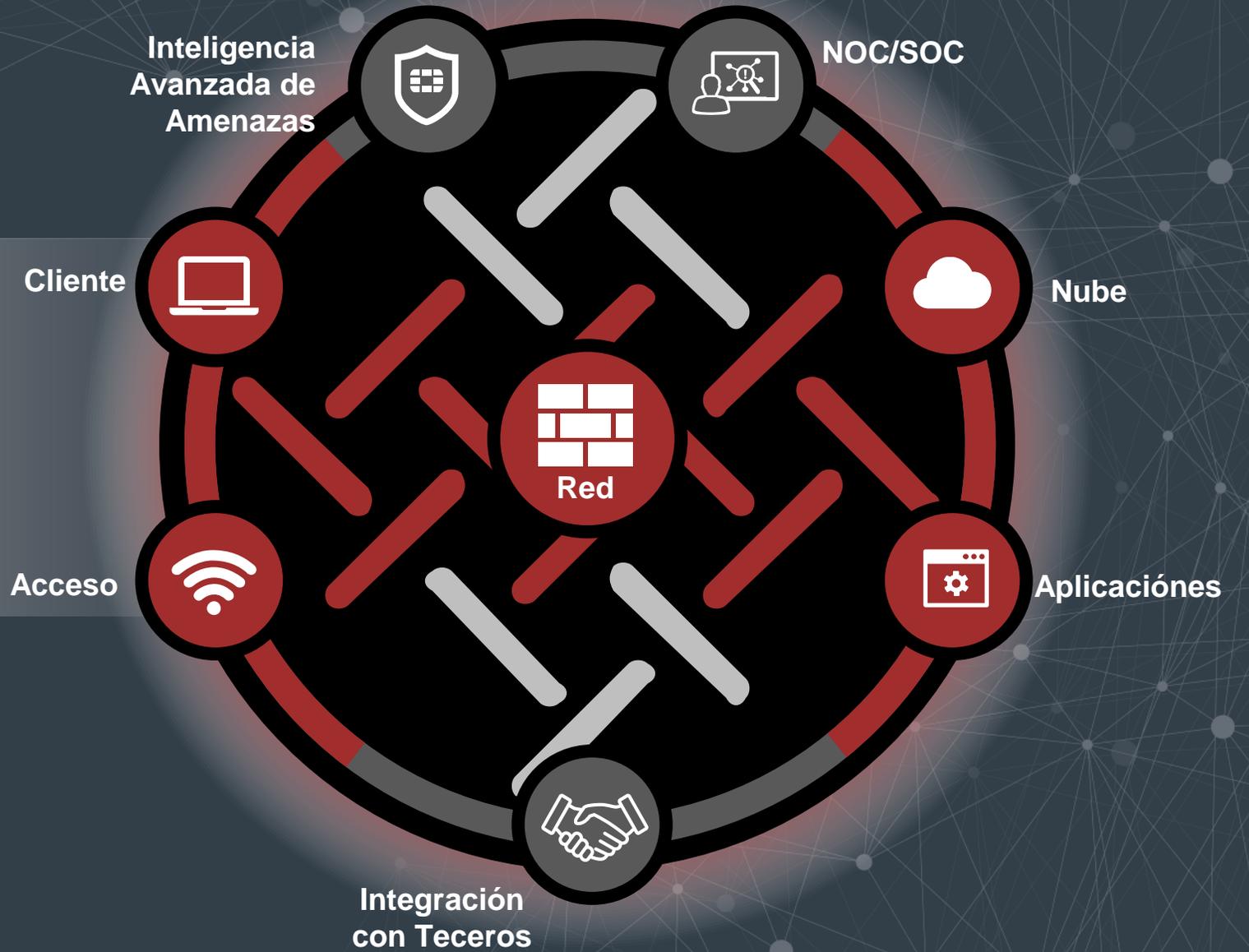
**AMPLIA**



**PODEROSA**



**AUTOMÁTICA**



# SECURITY FABRIC



SECURE ACCESS



APPLICATION SECURITY



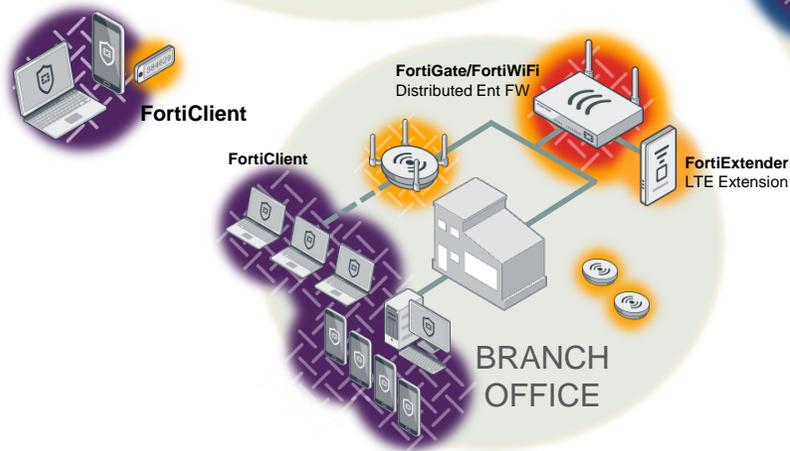
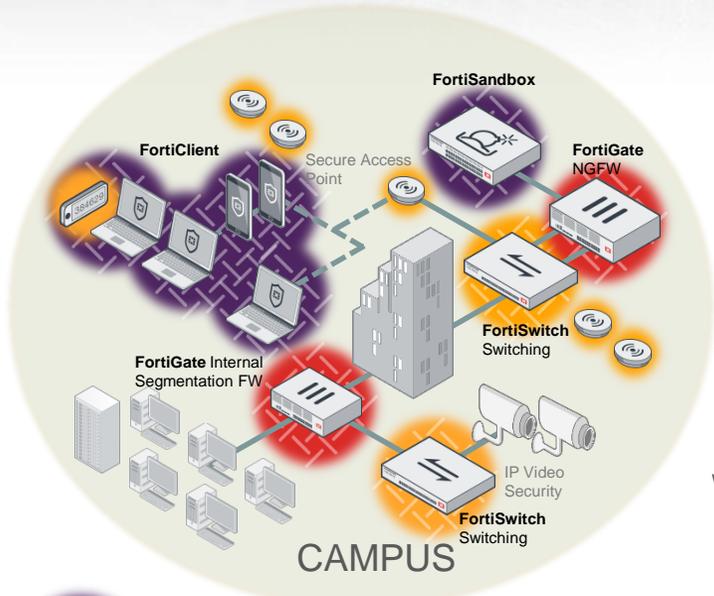
ADVANCED THREAT PROTECTION



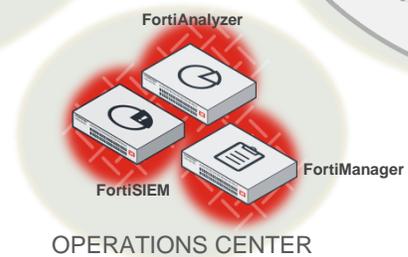
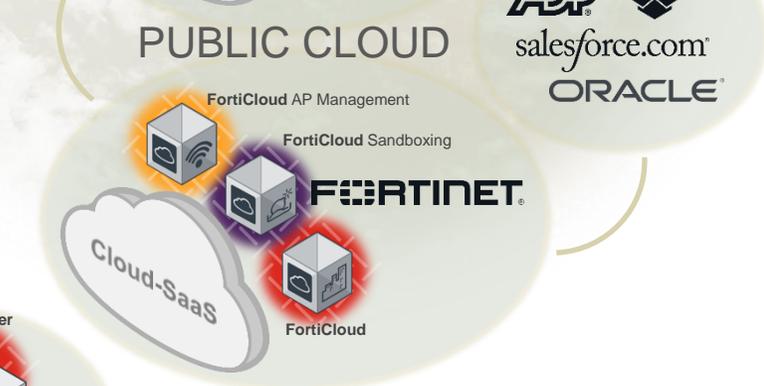
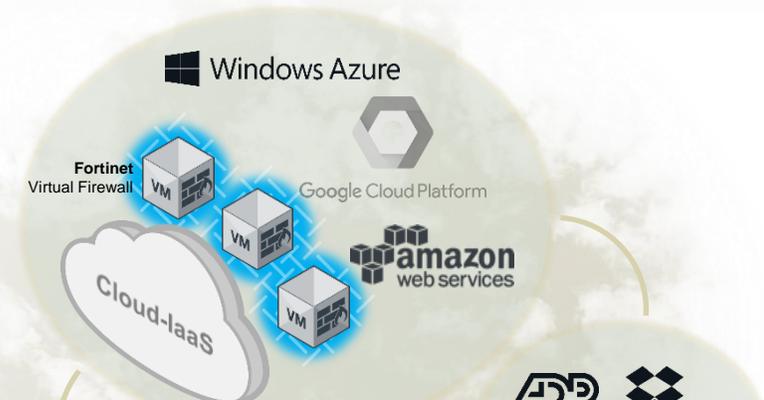
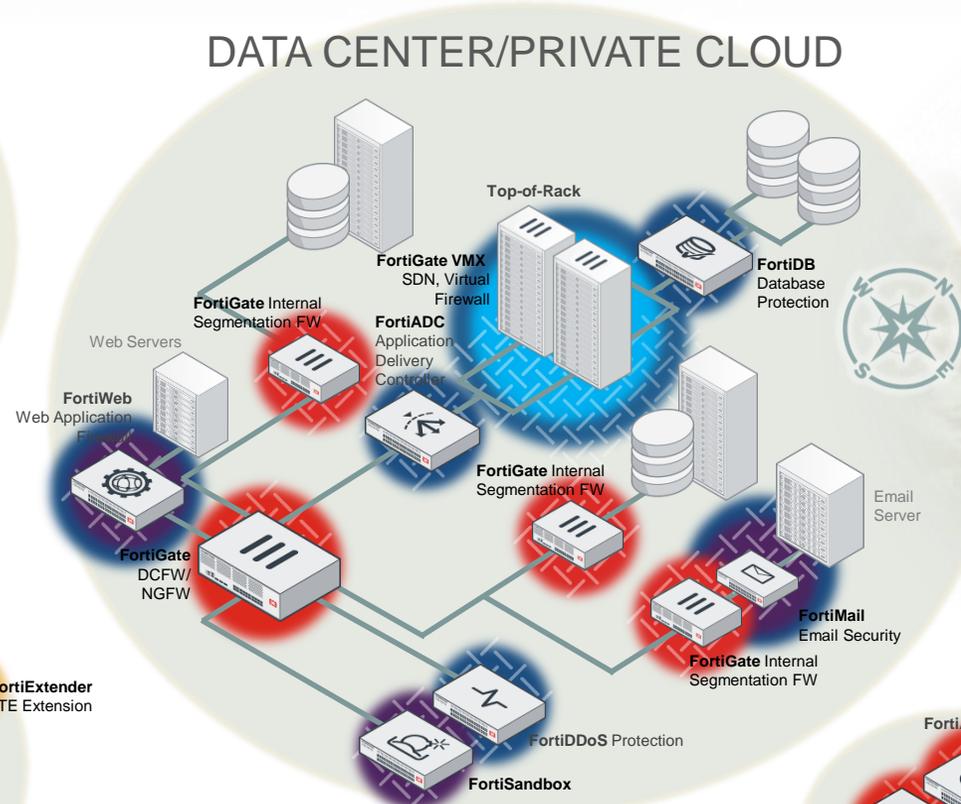
CLOUD SECURITY



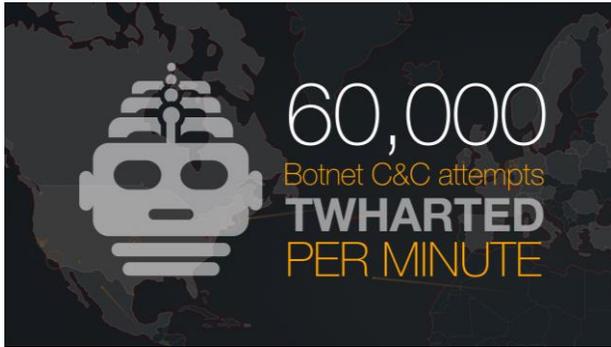
ENTERPRISE FIREWALL



## DATA CENTER/PRIVATE CLOUD



# Laboratorios de Investigación



# Análisis de Ataques en México

IPS Mundial - 25 de Abril de 2017			Botnet Mundial - 25 de Abril de 2017			Antivirus Mundial - 25 de Abril de 2017		
Código	País	Conteo de IPS	Código	País	Conteo de	Código	Country	Conteo de
US	Estados Unidos	113,825,566,057	US	Estados Unidos	3,425,902,008	US	Estados Unidos	129,284,831
LT	Lituania	47,106,905,349	JP	Japón	1,459,250,106	JP	Japón	99,048,091
TW	Taiwan	41,531,101,114	TR	Turquía	1,159,336,243	KR	República de Korea	26,899,299
MX	México	33,761,243,293	ES	España	549,988,234	TR	Turquía	10,626,096
KZ	Kazajstán	19,189,806,489	GE	Georgia	387,237,153	CA	Canada	9,427,377
JP	Japón	16,542,646,084	IL	Israel	374,332,563	IT	Italia	8,463,791
CN	China	10,525,800,837	IT	Italia	340,148,941	IL	Israel	7,467,814
RO	Rumania	7,623,829,748	IN	India	321,501,732	ES	España	7,367,392
IS	Islandia	7,495,868,208	ZA	SudAfrica	244,704,651	IN	India	7,267,930
CL	Chile	6,095,992,050	MX	México	243,639,474	DE	Alemania	7,250,085
CA	Canadá	5,443,751,638	JO	Jordania	191,945,957	BE	Bélgica	6,505,743
IT	Italia	5,374,961,259	PH	Filipinas	144,802,461	GB	Gran Bretaña	6,426,013
AE	Emiratos Arabes Unidos	4,555,491,242	RO	Rumania	135,421,667	AT	Austria	5,977,502
AU	Australia	3,443,640,958	TW	Taiwan	123,236,813	SE	Suecia	5,935,158
ES	España	3,410,317,791	KZ	Kazajstán	114,440,050	MX	México	5,721,180

# Inteligencia contra las amenazas



CISCP & NCCIC



MyCERT  
Malaysia Computer Emergency Response Team



computer emergency response team

CERT-EU  
for the EU institutions, bodies and agencies



US-CERT  
UNITED STATES COMPUTER EMERGENCY READINESS TEAM



OASIS



MALWARE INVESTIGATOR

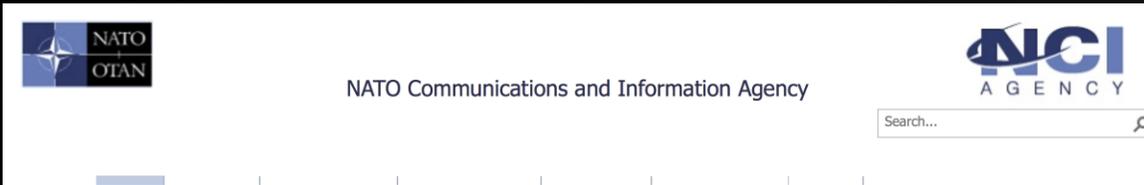


STIX™

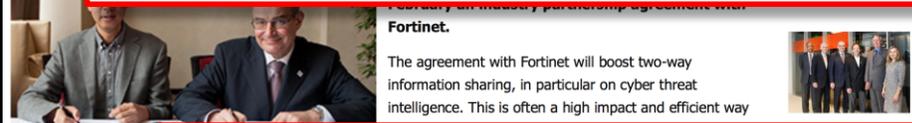
MITRE



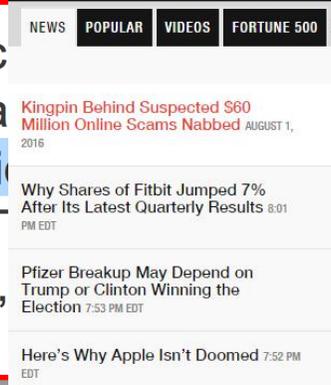
# Intercambio de Inteligencia de CiberSeguridad en Acción



The 40-year-old Nigerian national, known as 'Mike', is believed to be behind scams totalling more than USD 60 million involving hundreds of victims worldwide. In one case a target was conned into paying out USD 15.4 million.



'Mike' first came onto the law enforcement radar in Singapore. This, combined with active cooperation with the FBI in 2015, enabled specialists at the INT Defense Institute based at the IGCI, to arrest in June.



# Fortinet: Líder Global en CiberSeguridad

#1 en México y América Latina



FUNDADO EN  
**2000**  
POR KEN XIE



OFICINAS PRINCIPALES  
**SUNNYVALE  
CALIFORNIA**

**100+**



OFICINAS  
EN EL MUNDO  
PRESENCIA  
EN MÉXICO

**4,650**



EMPLEADOS MUNDIALES  
~100 EMPLEADOS  
EN MÉXICO

MAS DE  
**\$1bn**

INGRESOS

**\$1.3bn**  
EN EFECTIVO



**30%**



CRECE  
AÑO CON AÑO

**2.8m**

DISPOSITIVOS  
DE  
SEGURIDAD



**300K**  
CLIENTES

**358**

PATENTES  
EMITIDAS

292 EN  
PROCESO



The image features a dark red background with a complex pattern of white and light red geometric shapes, including hexagons, pentagons, and circles, some of which are interconnected by thin lines, creating a network-like or molecular structure. The Fortinet logo is prominently displayed in the center in a bold, white, sans-serif font. The logo consists of the word "FORTINET" with a registered trademark symbol (®) to its right. The letter "O" in "FORTINET" is stylized with three vertical bars inside it.

**FORTINET®**

**¿PREGUNTAS?**

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