



# IL FUTURO IN EUROPA E IL RUOLO DEI PROFESSIONISTI

Seguridad en la era digital

XXVI CONGRESSO INTERNAZIONALE A.M.A.

GENOVA 27-28 OTTOBRE 2017

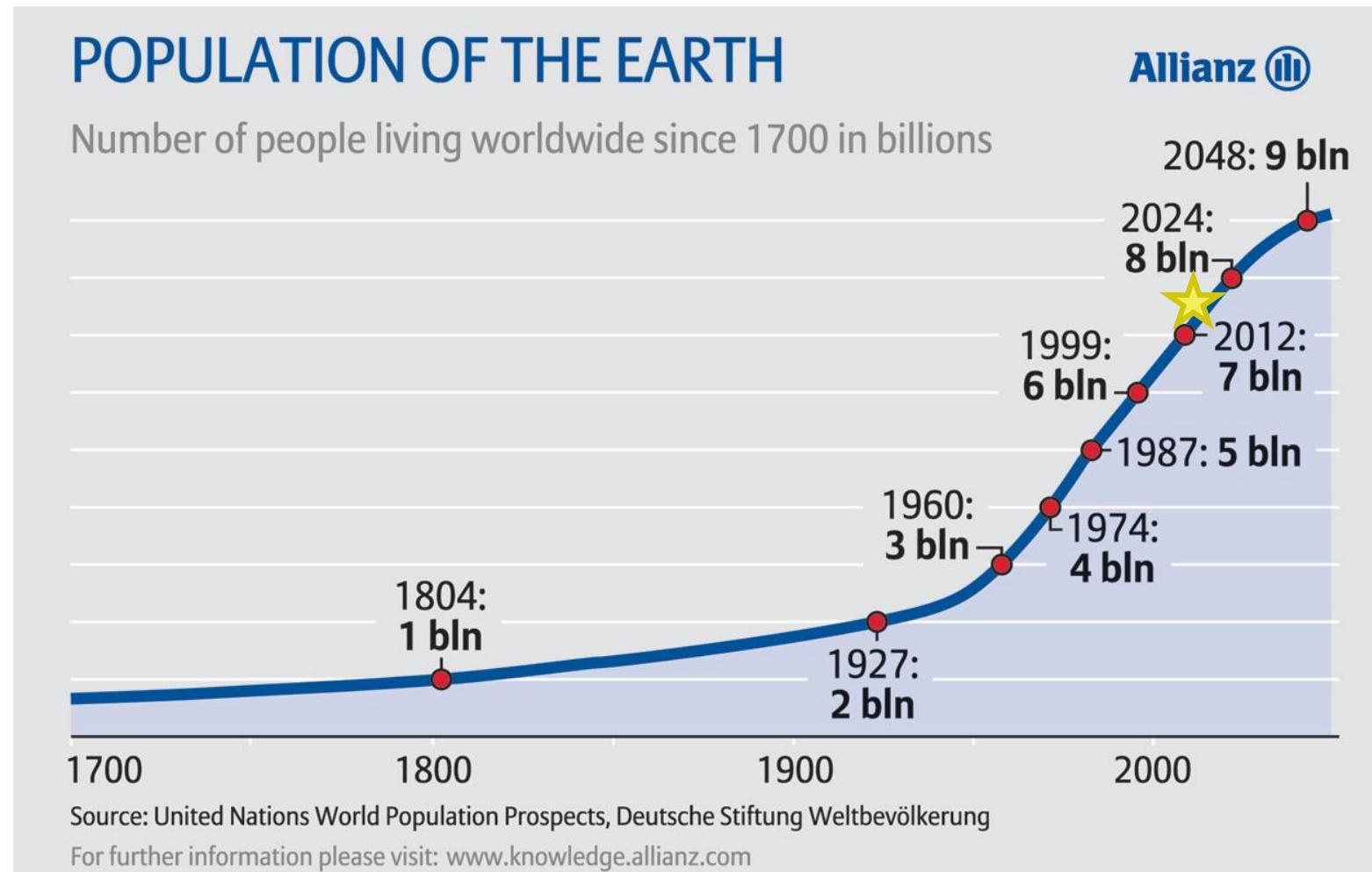


“Construimos nuestros sistemas de computación de la misma forma que nuestras ciudades: con el tiempo, sin plan y sobre ruinas.”

Ellen Ullman

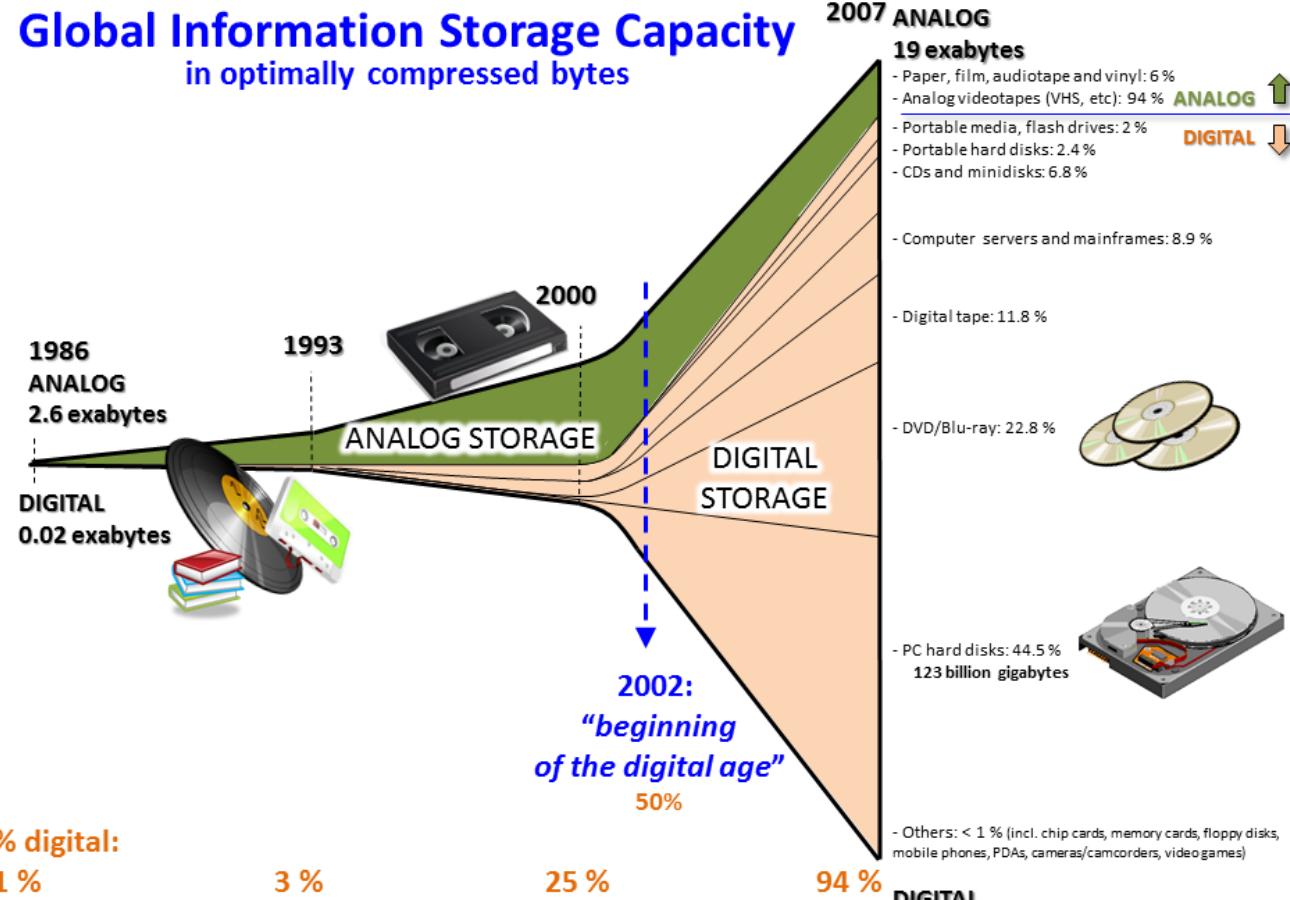


# HUMANOS





# COMPUTADORAS



Source: Hilbert, M., & López, P. (2011). The World's Technological Capacity to Store, Communicate, and Compute Information. *Science*, 332(6025), 60–65. <http://www.martinhilbert.net/WorldInfoCapacity.html>

La gran mayoría de las empresas en U.S. tienen al menos 100 TB de datos almacenados

~150 Exabytes es el tamaño aproximado de los datos clínicos

2013 4.4 Zettabytes

2017 16 Zettabytes

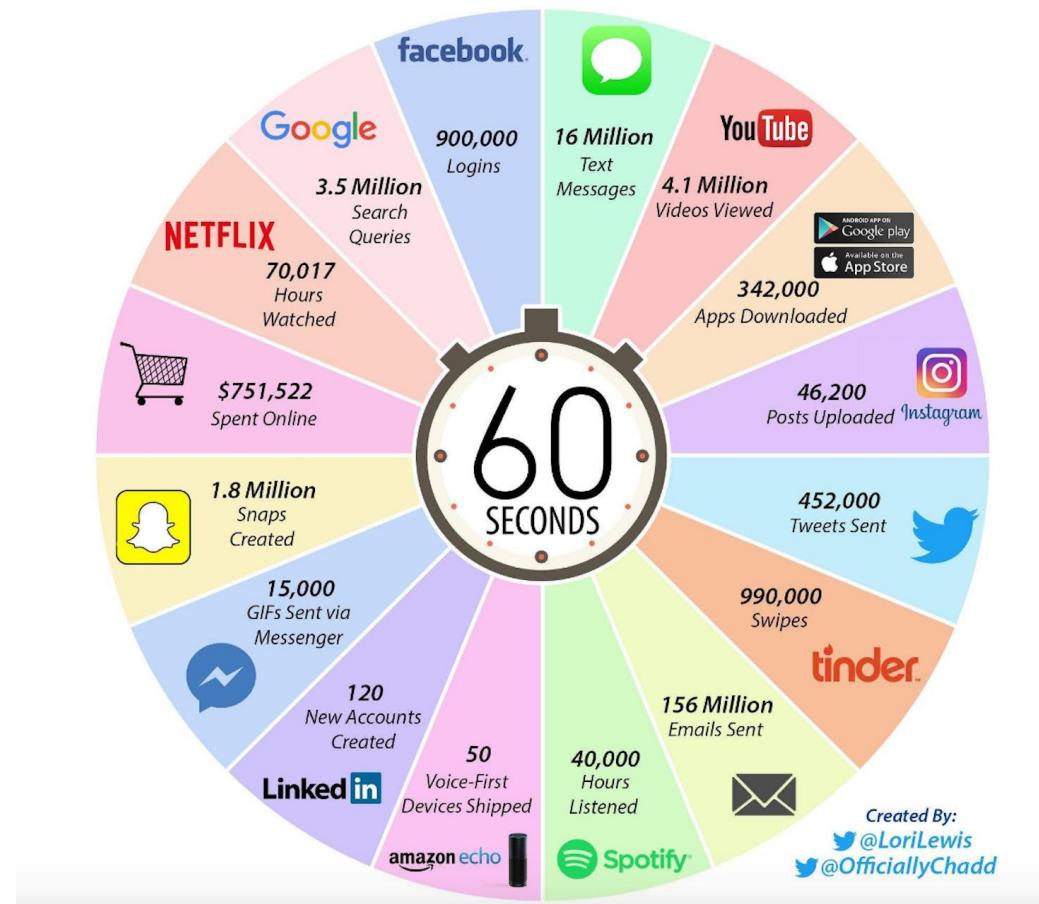
...

2020 44 Zettabytes

# HUMANOS Y COMPUTADORAS



2017 *This Is What Happens In An Internet Minute*



# BIEVENIDOS A LA ERA DIGITAL





# PRIVACIDAD



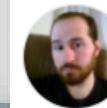
## Top 25 most common passwords

- 1 123456
- 2 123456789
- 3 qwerty
- 4 12345678
- 5 111111
- 6 1234567890
- 7 1234567
- 8 password
- 9 123123
- 10 987654321

APR 12, 2017 @ 02:36 PM 8,081

2 Free Issues of Forbes

## Burger King Created A Commercial That Hijacks Your Google Assistant

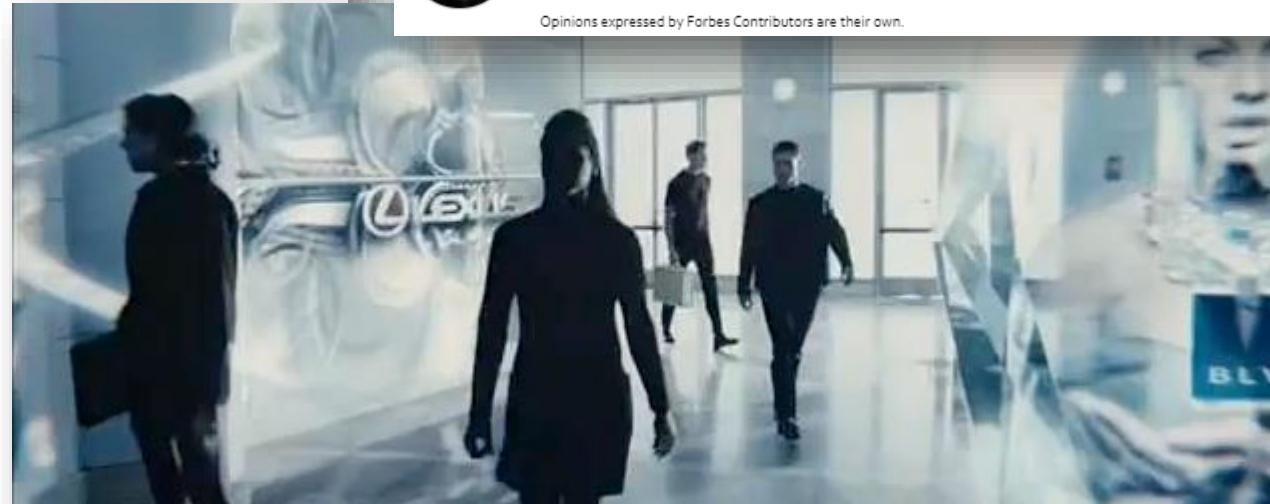


Ryan Whitwam, CONTRIBUTOR

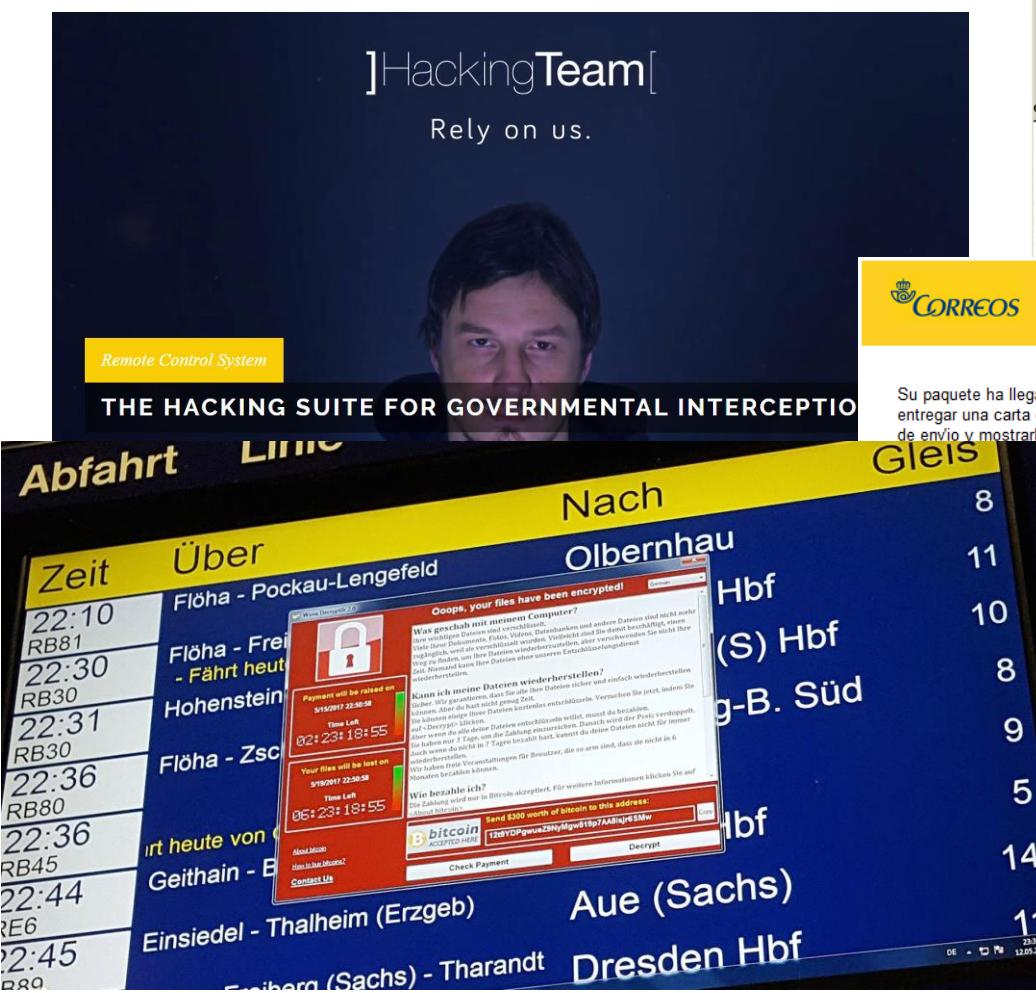
A lover of Android, keyboards, and other things that go beep.

[FULL BIO ▾](#)

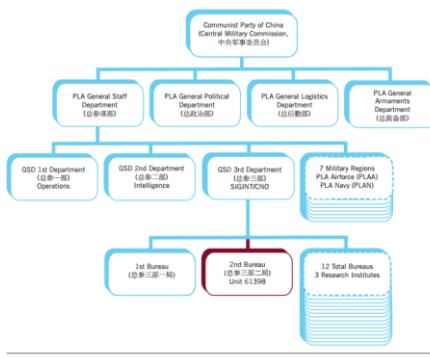
Opinions expressed by Forbes Contributors are their own.



# PROBLEMAS COTIDIANOS



# CIBERESPACIO... "EL QUINTO DOMINIO DE GUERRA"



# CIBERGUERRA

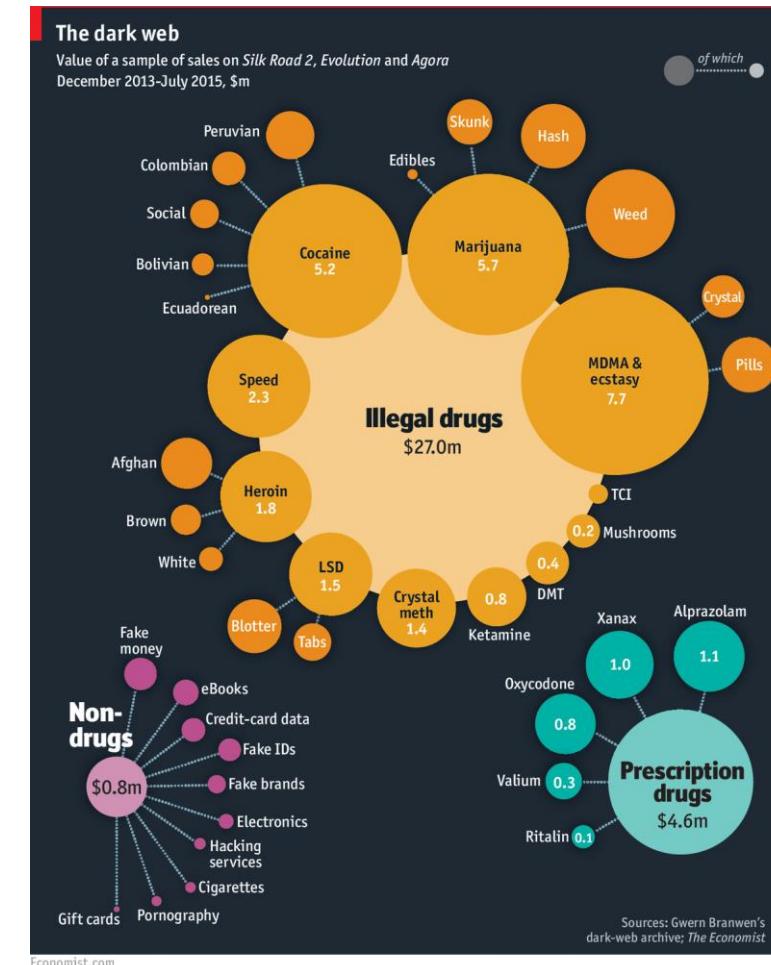


- **Davis-Besse Nuclear Power Station** (2003)
  - Se desactivó el sistema de monitorización de seguridad durante, al menos, cinco horas.
- **Stuxnet** (2010), considerado la primer ciberarma
  - Afectación en entorno industrial.
  - Desarticulación del programa nuclear de Irán.
- **DuQu** (2011)
  - Permite explotar vulnerabilidad de los documentos Word para ejecutar programas como si fuera el sistema operativo.





# DARK WEB



## ECRIME



**C'thul**

Email: BM-2cVbNcn11

*Solutions to Common P soldiers and mercenari of more than five years*

*If you're asking yourself "I simply because it is anonymous collaborated with cops (wh could end up in the prison l where police found who ha you can give your testimon*

*So, it is of mutual interest t through the Tor network. I network. You can make pa can't send you to prison, at comes reward. You take a they face 20 years of prison don't contact this kind of organizations. And know, we are only one, real contractor there. Any other will try cheat you. — Contract Killer © 2011.*

2ousn6z3qfxvcv7t.onion/ArmsDepot/index.php?categoryID=16

Startpage

Search products

ARMS DEPOT

Arms Depot | Price list | Manual Order Form | Shipping Info

My Weapons Bin  
(no items)  
Proceed To Firearm Inquiry

Catalog

- Accessories
- Ammo
- Class III
  - Automatic Pistols
  - Automatic Rifles
  - Sub Machine Guns
  - Suppressors
- Defensive
- Handguns
- Rifles
- Shotguns

Arms Depot : Class III : Sub Machine Guns :

ASSAULT RIFLES IN STOCK

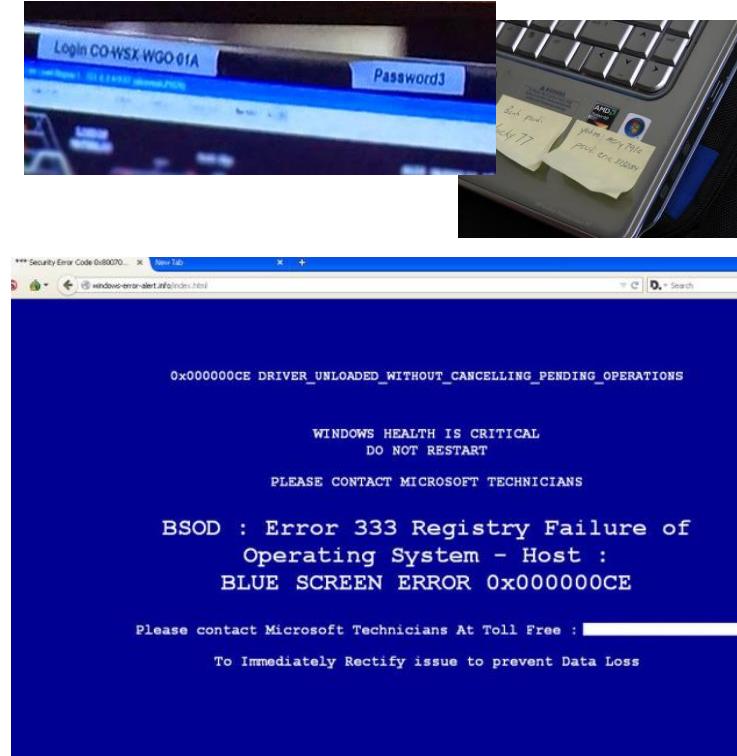
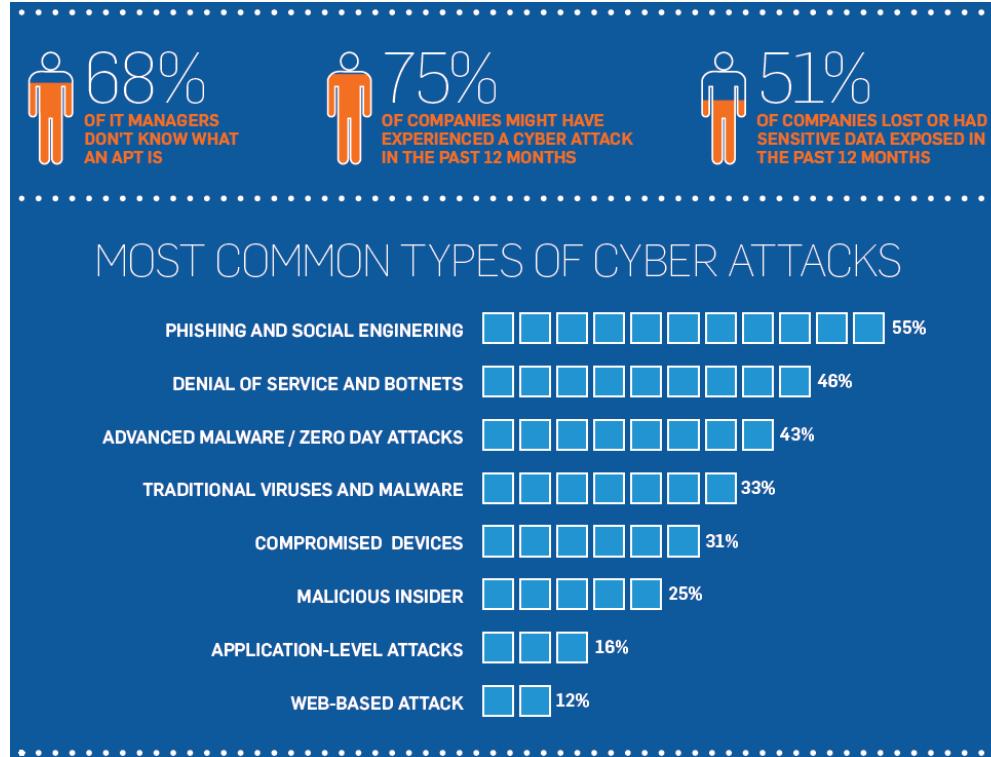
**HK MP5 9MM**   
 Total Price: \$8995.95USD  
P.P.P. Price:  
**\$5322.12USD**  
Initial Price Difference of: \$3673.83USD (41%)  
Christmas Special - ONLY \$7500!  
Get a fucking submachine gun for Christmas!

**HK MP5 WITH SUPPRESSOR**   
 Total Price: \$17995.90USD  
P.P.P. Price:  
**\$10257.70USD**  
Initial Price Difference of: \$7738.20USD (43%)

ACTION	SEMI/BURST/AUTO
CALIBER	9MM
BARREL	10-1/4"
CAPACITY	30+1

with access to the Internet the server through the Tor and you don't know us. We it there is no interest. With risk hings to other people, but when ou are not ready to take a risk, Way That You Can't Break The

# ¿ESTAMOS PREPARADOS?



# FORMACIÓN I CONCIENCIACIÓN



“Una empresa puede gastar cientos de miles de dólares en firewalls, sistemas de detección de intrusión y encriptación y otras tecnologías de seguridad, pero si un atacante puede llamar a una persona de confianza dentro de la empresa, y esa persona obedece y el atacante puede acceder, entonces todo eso el dinero gastado en tecnología se habrá tirado a la basura”

**Kevin Mitnick**