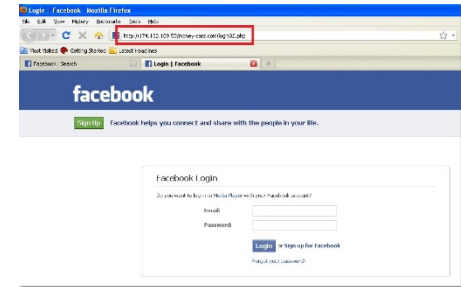
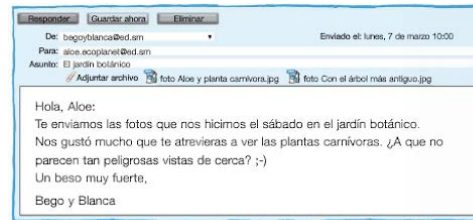
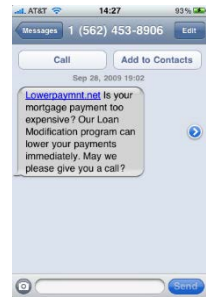


LAC payments week, Lima, September 11-14, 2017.  
Session on “Cybersecurity: a shared responsibility”

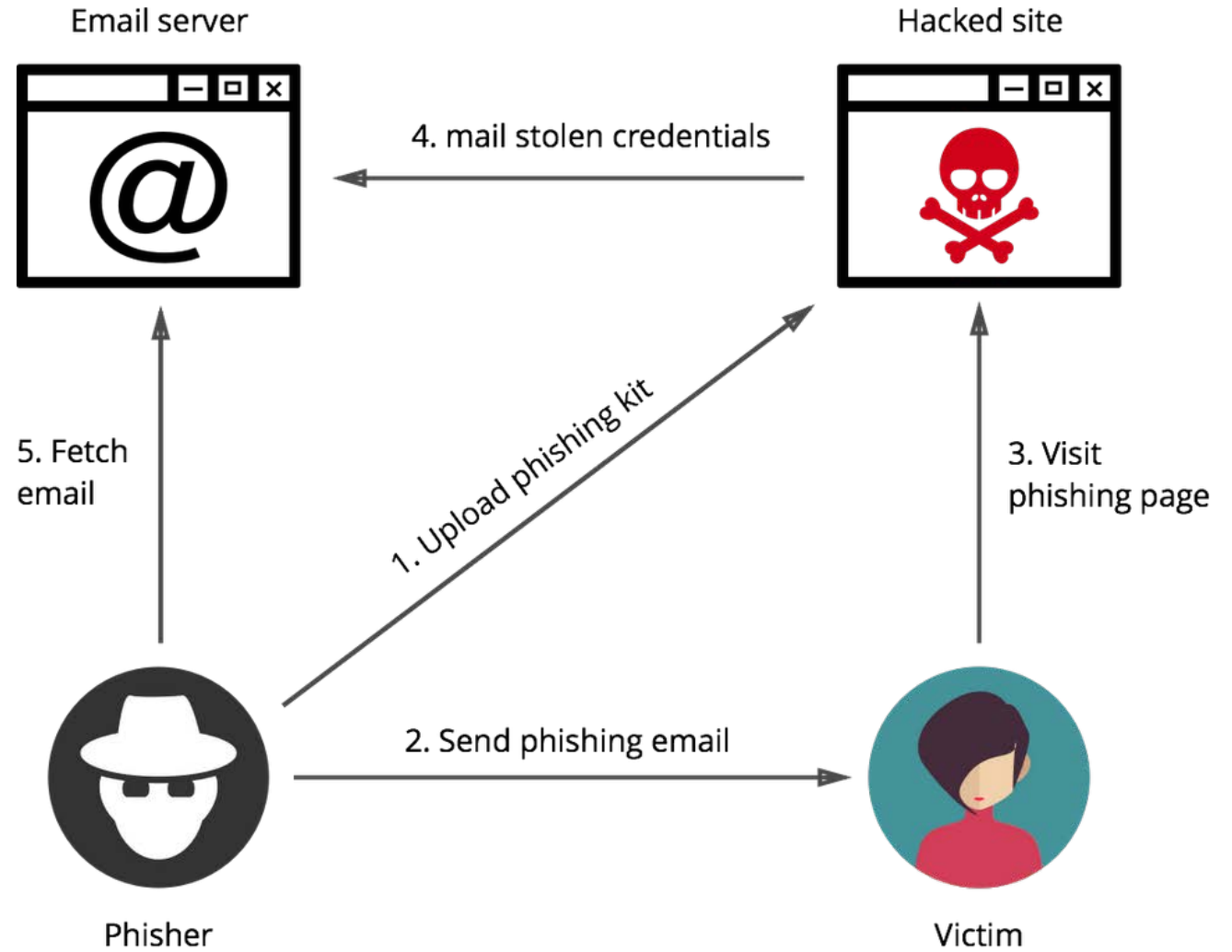
Giovanni Pichling Zolezzi

ASBANC - COO

# Social Engineering



# Phishing anatomy





### POLICÍA Y JUSTICIA

## El hackeo de cajeros aumenta un 26% y ya mueve 332 millones de euros

- En 2015 se registraron 18.738 ataques a cajeros frente a los 23.588 del 2016, según la European ATM Security Team.
- Hackear un cajero solo cuesta 14 euros, según Kaspersky, la firma rusa de ciberseguridad. La técnica más empleada es el TRF: manipular el dispensador de efectivo.
- Te interesa leer: [Desarticulada una red tras 200 ataques a cajeros en España mediante skimming.](#)

Las pérdidas asociadas a este tipo de delincuencia **aumentaron un 2% interanual**, hasta alcanzar los **332 millones de euros** el 2016.

El método **black box**, que aumentó un **287%**, **58** bancos de 10 países europeos sufrieron ataques de este tipo.

Fuente: [https://www-lainformacion-com.cdn.ampproject.org/c/www.lainformacion.com/policia-y-justicia/hackeo-cajeros-aumenta-mueve-millones\\_0\\_1035198130.amp.html](https://www-lainformacion-com.cdn.ampproject.org/c/www.lainformacion.com/policia-y-justicia/hackeo-cajeros-aumenta-mueve-millones_0_1035198130.amp.html)

# ATM's Code Injection

## Ploutus Team Evolution

| Date         | Description  |
|--------------|--|
| August 2013  | Ploutus is discovered controlling NCR APTRA middleware                                       |
| March 2014   | Ploutus adds a component to control NCR ATM via SMS messages                                 |
| October 2016 | Ploutus adds support to control multi-vendor KAL's Kalignite framework via external keyboard |
| January 2017 | Ploutus adds module to manage ATM remotely and two new classes to control XFS middleware     |

## New Ploutus-D Features Overview

- New module that allows Internet access to manage the ATM
- Support to interact with the malware via the ATM pinpad (previously only done via external keyboard)
- New XFS middleware libraries that allow the control of the dispenser and pinpad



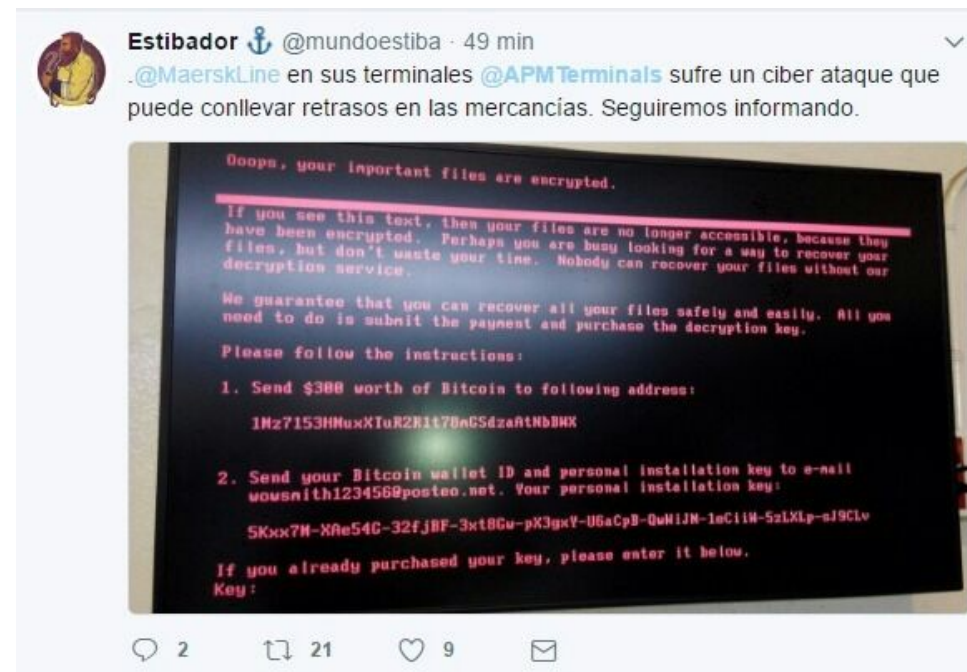
Although the Ploutus Team began by targeting Latin American countries, it now runs in multiple ATM vendors making it a worldwide issue and becoming the greatest ATM malware risk. Below is a list of countries that submitted a variant of Ploutus-D to [VirusTotal](#):

- Mexico
- Peru
- Dominican Republic
- Ukraine
- Taiwan
- United States

# Ransomware - Wannacry



# Oschadbank ATM in Kyiv



# IoT Microcontrollers

Arduino



Cubie Track

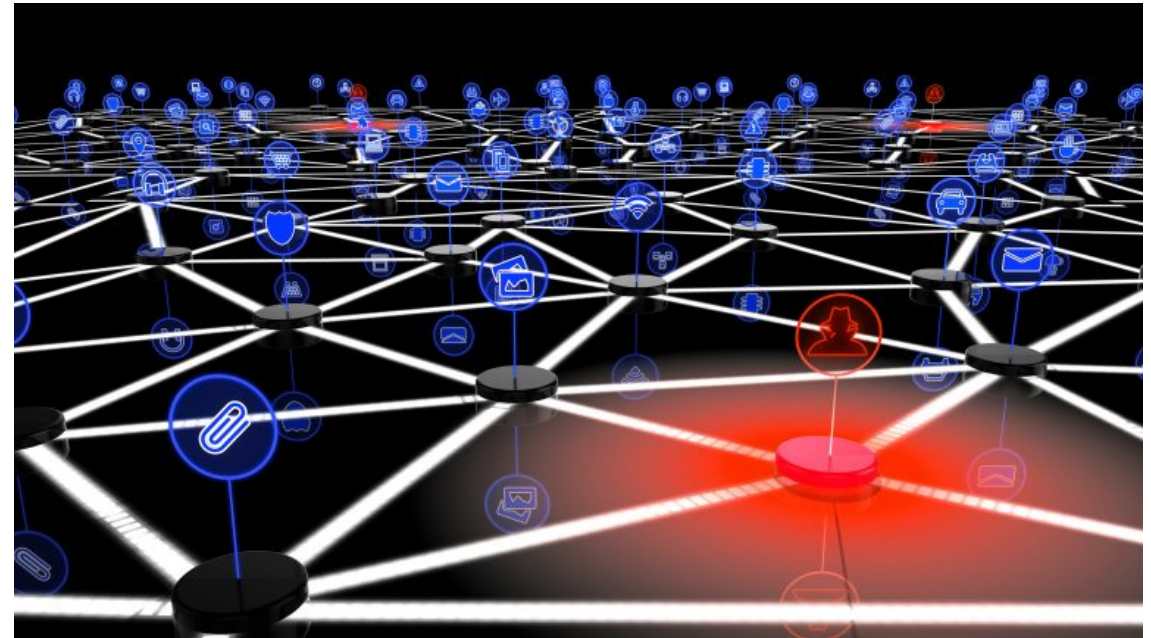


Raspberry



## Already has 7,000 viruses that attack your devices

- Half of the viruses for these smart devices are dated 2017. That is, they are circulating for the first time.
- These malicious codes have been designed by cybercriminals to pirate devices, this serves to spy, extort and even involve people in blackmail.



Fuente: <http://www.cioal.com/2017/06/23/iot-ya-cuenta-con-7-000-virus-que-atacan-sus-dispositivos//>



## New strategies cyberthreats

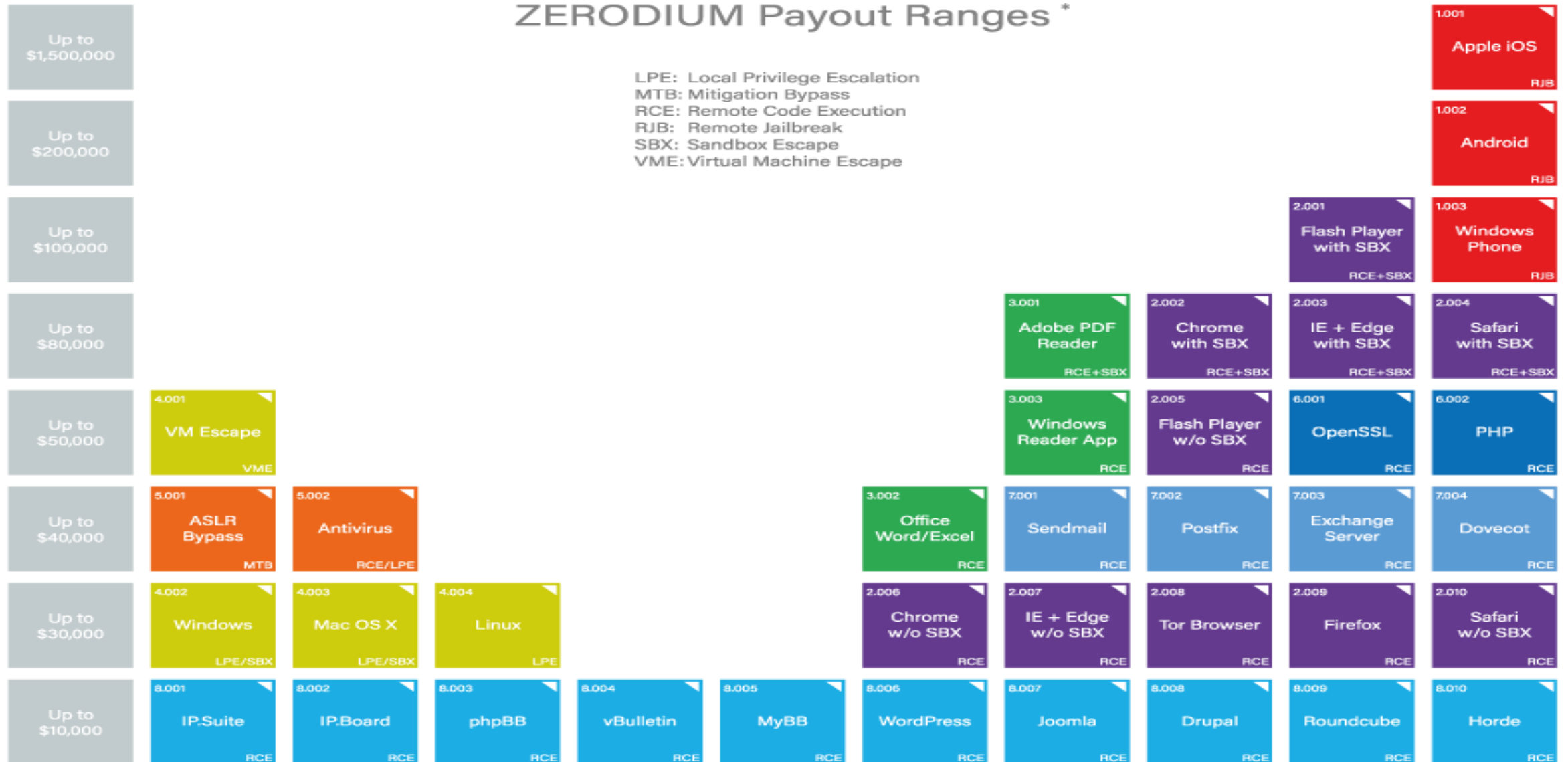
Cybersecurity not only refers to protecting itself as an entity, but also assessing the risks to which it is exposed. An entity does not work alone, it interacts with other institutions and that is where risk is transferred.



# Vulnerabilities Market

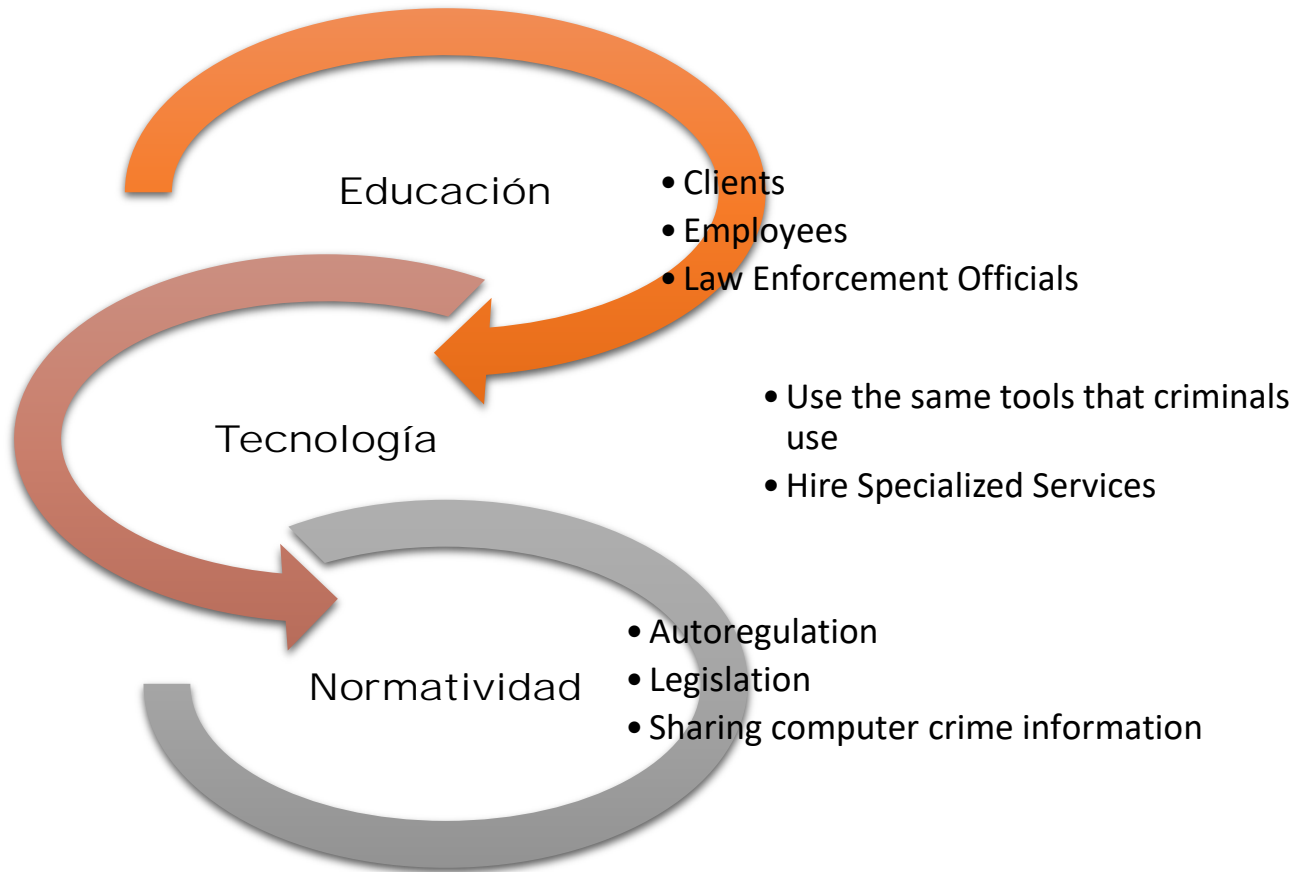
## ZERODIUM Payout Ranges \*

LPE: Local Privilege Escalation  
 MTB: Mitigation Bypass  
 RCE: Remote Code Execution  
 RJB: Remote Jailbreak  
 SBX: Sandbox Escape  
 VME: Virtual Machine Escape



\* All payout amounts are chosen at the discretion of ZERODIUM and are subject to change or cancellation without notice.

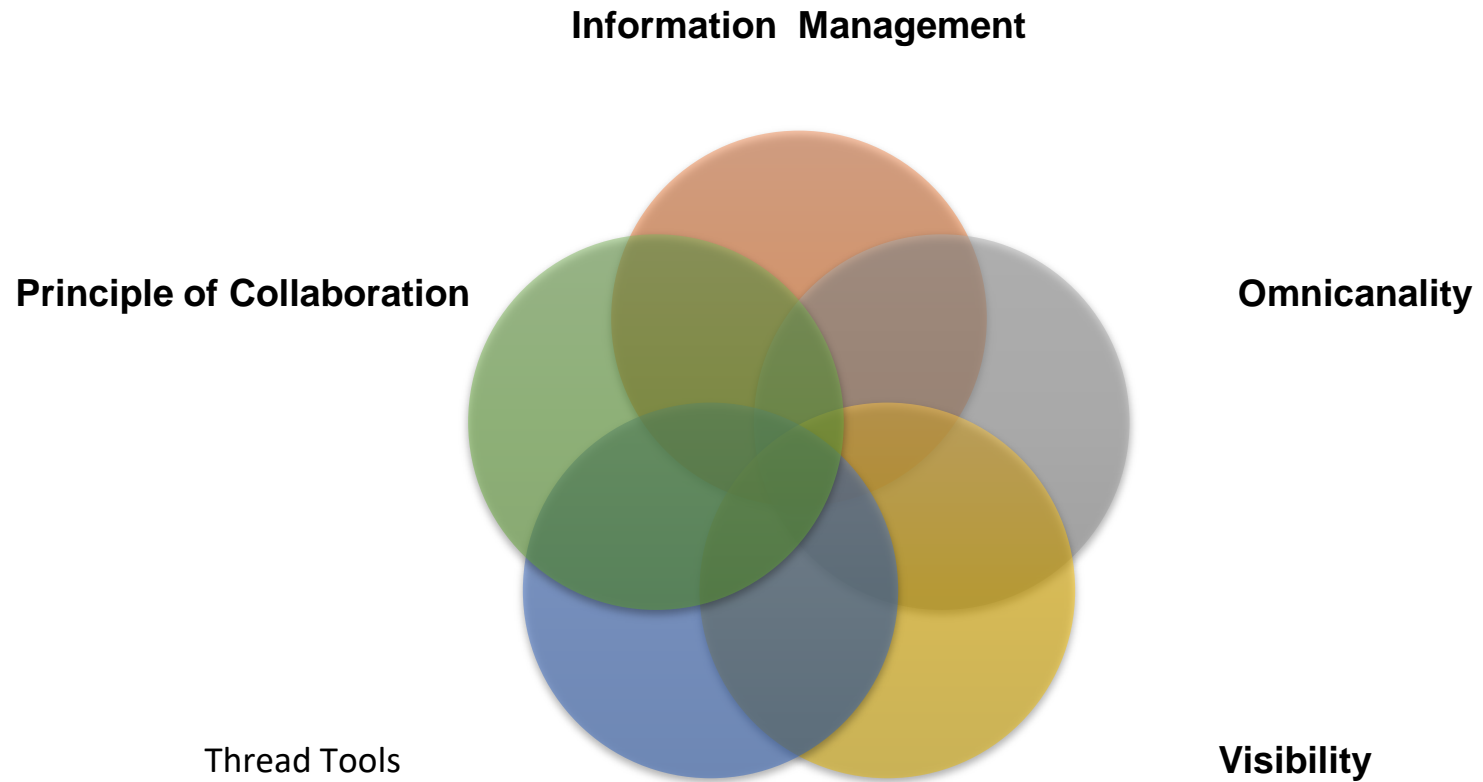
# Strategy to combat computer crimer



## Stakeholders

Asociations (ASBANC, Confiep, FELABAN, OEA)  
Financial institutions (Banks, Financial others)  
Law enforcement authorities  
Government authorities (local - national)  
Critical Service Providers  
Regulation authorities & Consumer protection authorities  
Armed forces (National defense – Strategic sectors)  
Embassies & Consulates  
Global initiatives (Budapest agreement)

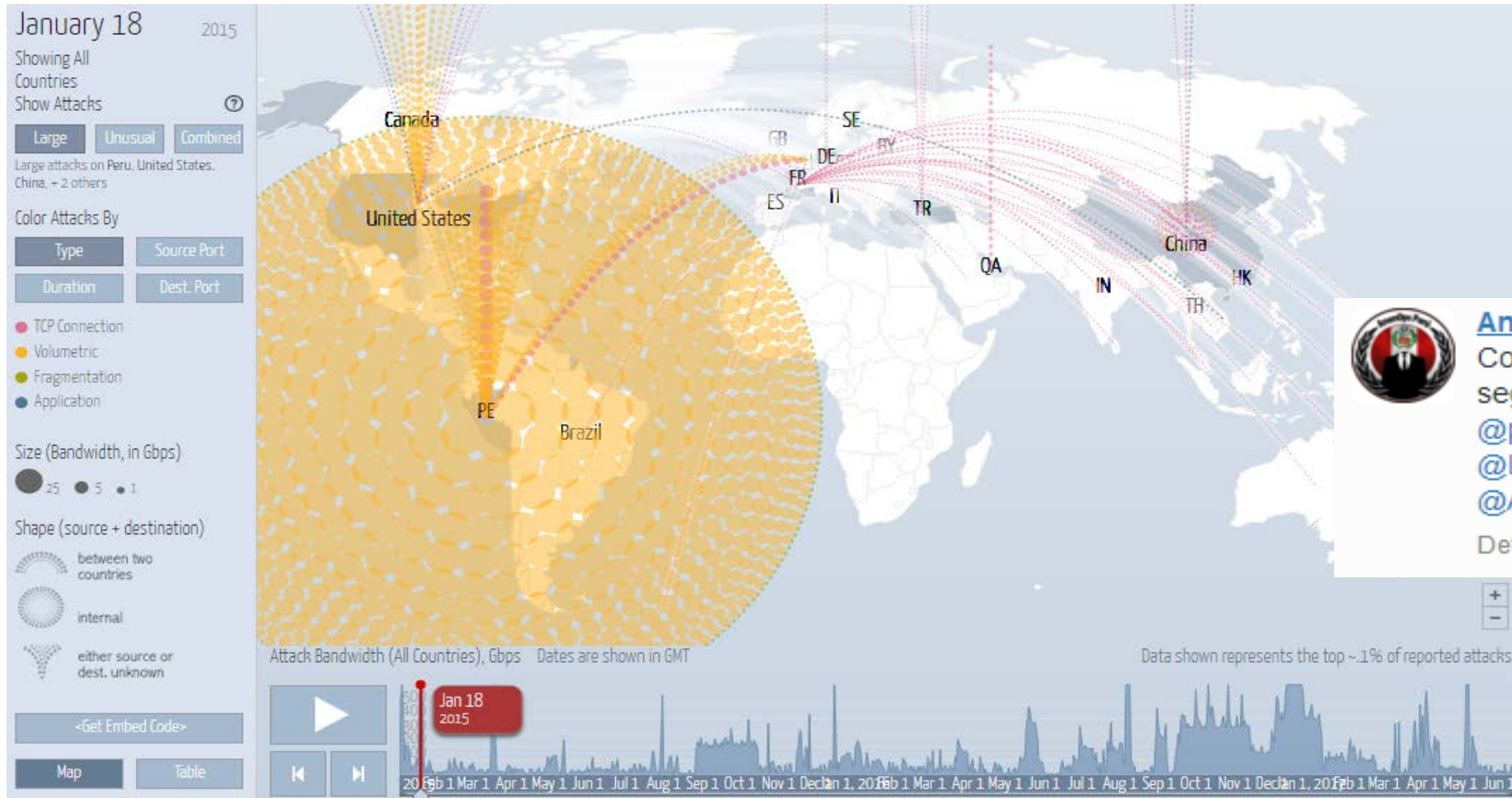
# Promote operation of comprehensive Security observatories





# Global cyberattacks monitoring

#OpNoLeyLaboral #LeyPulpin



**Anonymous Perú** @AnonsPeru 72d  
Correos del encargado de seguridad informática del @pcmperu y su investigación a @LulzSecPeru y @AnonymousPeru [ow.ly/AFfzt](http://ow.ly/AFfzt)

Details

# Social network monitoring

This screenshot shows a Facebook browser window with a grid of posts. The top navigation bar includes "My First Tab", "Añadir columna", and "Añadir red social". The main content area displays several posts:

- Anonymous Perú** (Milton Guevara): "Buenos días #Perú Dejare esto por aquí y me irá lentamente...". Includes an image of a "MATRIX" folder.
- Peruvian Hackers** (Milton Guevara): "Buenos días #Perú Dejare esto por aquí y me irá lentamente...". Includes an image of a "MATRIX" folder.
- Banco Falabella Perú** (Milton Guevara): "Gana más en menos tiempo. Abre hoy tu Depósito a Plazo Fijo con una TRESA soles de 3.50%". Includes an image of a "Más veces a la 90" folder.
- BanBif** (Milton Guevara): "Realiza tus transferencias interbancarias desde tu celular en 3 simples pasos. Solo descarga nuestra BanBif APP desde aquí -> <http://bit.ly/2iCxtOG>". Includes an image of the BanBif app interface.
- Scotiabank Perú** (Milton Guevara): "(Que levanten la mano los fanáticos de las motocicletas! Compártenos tu moto favorita y cuéntenos por qué te gusta tanto.". Includes an image of a person on a motorcycle.

Below the grid, there are several comments and replies, including one from "Marina Rojas Señores Banco Falabella Perú" and another from "Reymil Perez" regarding a bank claim.

This screenshot shows a Twitter browser window with a grid of tweets. The top navigation bar includes "Twitter", "Buscar", and "Crear tweet". The main content area displays several tweets:

- #Opicarus**: "Kill My Landlord! Grab the World by the balls and SQUEEZE... #Petya #TangoDown bin. Good lyme for #Opicarus #Opicarus2017 to kick in. Fuck it. #LettBurn". Includes an image of a person on a motorcycle.
- Anonymous Perú**: "SELENO G. COLLICION @S... @anonshispano @anoncontent help us close sites from Yulin and South Korea @AnonymousPeru @MOBAnonymous @GroupAnon @AnonyOps". Includes an image of a person on a motorcycle.
- Peruvian Hackers**: "Peruvian Hackers Retweeted Punisher @AnonsPunisher Excelente eperu". Includes an image of a person on a motorcycle.
- Lutz Security Peru**: "Lutz Security Peru @LutzSecPe... Retweeted Anonymous Perú Retweeted Anonymous Argent...". Includes an image of a person on a motorcycle.
- Defacer-Rat**: "Defacer-Rat @Deface... Esperados pueblo <3. twitter.com/AnonymousPeru...". Includes an image of a person on a motorcycle.

Below the grid, there are several comments and replies, including one from "Carlos Aguilar Ávila" and another from "Luis Enrique" regarding a PISA score.

# Hacktivismo #OpIcarus (fase 5)



**minion ghost**  
@Scode404

#join us  
#OpIcarus2017  
#opIcarus  
#Minionghost  
#AnonGhost  
lets destroy  
@YourAnonGlobal  
@YourAnonNews @4n0nc47  
@AnonOpsSE @cnnbrk  
@HackRead



11 #OpIcarus2017  
JUN Minion Ghost

Promosikan Akan Hadir Bagikan

Min, 11 Jun pukul 15:00 - Rab, 21 Jun pukul 18:00  
Yana Terjadi Sekarang



**AnonGhost\_CJ** @AnonGh... Jun 11

#OpIcarus  
#OpIcarus2017  
#AnonGhost  
#MinionGhost  
#Anonymous  
#Anonfamily  
#LulzSec  
about OpIcarus2017 in Korea  
News  
[m.boannews.com/html/detail.ht...](http://m.boannews.com/html/detail.ht...)



**Rebel Angel** @rebelangel1... Jun 14

#OpIcarus phase 5  
#FuckTheBanks #opsacred



**minion ghost** @Scode404

5d

Join us  
#MinionGhost  
#OpIcarus  
#OpIcarus2017  
[twread.com/x07ez0to/](http://twread.com/x07ez0to/)  
@AnonGhostWorld @4n0nc47  
@HackRead @AnonOpsSE  
@YourAnonNews







# Monitoreo Páginas Web (Home Banking)

The screenshot displays the UptimeRobot dashboard for an account named 'mguevara@asbanc.com.pe'. The interface is divided into several sections:

- Left Sidebar:** A list of 18 monitored websites with their respective uptime percentages and status bars. The first few include ASBANC (100%), Banco de la Nación (99.96%), Banco de Cusco (100%), Banco de Comercio (95.22%), Banco de la Ciudad de Lima (99.97%), Banco de la Unión (99.67%), BANCO de la Nación (100%), Banco de la Nación (100%), Banco de la Nación (99.41%), Banco de la Nación (100%), Banco de la Nación (100%), Banco de la Nación (100%), Banco de la Nación (100%), Banco de la Nación (100%), Banco de la Nación (100%), Banco de la Nación (99.98%), Banco de la Nación (98.85%), and Comunicaciones A... (100%).
- Account Dashboard:** A header section with navigation links for 'Upgrade', 'Dashboard', and 'My Settings'. It includes a user profile and a 'Logout' button.
- Quick Stats:** A central section showing 'You are currently using 23 of your 50 monitors.' It features three circular gauges: 'UP MONITORS' (23), 'DOWN MONITORS' (0), and 'PAUSED MONITORS' (0).
- Overall Uptime:** A section on the right showing uptime percentages for different time periods: 99.87% (last 24 hours), 98.66% (last 7 days), and 99.58% (last 30 days). It also lists the latest downtime event: 'Latest downtime' recorded for the monitor 'Banco de la Nación' on 2017-06-28 03:10:07, lasting 0 hrs, 38 mins.
- Latest Events For All Monitors:** A table listing recent events with columns for Event, Monitor, Date-Time, Reason, and Duration.
- From the Blog:** A sidebar section with links to various blog posts, including 'New Feature: Custom HTTP Headers (for the Pro Plan)', 'Adding "Custom Text" to Slack & HipChat Notifications (Now Possible)', 'Status Pages>Custom Domains are now HTTPs-enabled', 'APIv2 is Ready to Use ... (APIv1 will be retired on 1 June 2017)', and 'Introducing "Public Status Pages" - Yay!'.

| Event | Monitor            | Date-Time           | Reason                      | Duration        |
|-------|--------------------|---------------------|-----------------------------|-----------------|
| Up    | Banco de la Nación | 2017-06-28 03:48:28 | OK (200)                    | 7 hrs, 28 mins  |
| Down  | Banco de la Nación | 2017-06-28 03:10:07 | Internal Server Error (500) | 0 hrs, 38 mins  |
| Up    | Banco de la Nación | 2017-06-28 01:27:28 | OK (200)                    | 9 hrs, 49 mins  |
| Down  | Banco de la Nación | 2017-06-28 01:22:50 | Connection Timeout          | 0 hrs, 4 mins   |
| Up    | Banco de la Nación | 2017-06-27 11:13:47 | OK (200)                    | 24 hrs, 2 mins  |
| Up    | Banco de la Nación | 2017-06-27 11:10:18 | OK (200)                    | 24 hrs, 6 mins  |
| Down  | Banco de la Nación | 2017-06-27 00:08:06 | Internal Server Error (500) | 11 hrs, 2 mins  |
| Up    | Banco de la Nación | 2017-06-28 03:38:57 | OK (200)                    | 47 hrs, 31 mins |
| Down  | Banco de la Nación | 2017-06-28 03:23:19 | Internal Server Error (500) | 0 hrs, 15 mins  |
| Down  | Banco de la Nación | 2017-06-28 00:49:00 | Not Found (404)             | 34 hrs, 24 mins |

# Deepweb operations

## LA DEEP WEB

### LA WEB PROFUNDA

**Que Hay en la Deep Web**

La búsqueda en el Internet hoy en día se puede comparar con una red de arrastre a través de la superficie del océano, pero hay una gran cantidad de información que está en lo profundo y por lo tanto, se pierde. La mayor parte de la información de la Web está enterrada muy abajo, y los motores de búsqueda normales no la encuentran.

**¿Qué es la Depp Web?**

Se trata de toda aquella información de la Web a la que por diversas razones no puede accederse de manera habitual; son sitios que los motores de búsqueda no pueden registrar y, por lo tanto, requieren algún tipo de operación específica para ser revisados.

The diagram shows an iceberg floating in the ocean. The tip of the iceberg, representing the surface web, contains logos for YouTube, Facebook, Google, and Twitter. Below the waterline, the iceberg is divided into six levels, each with associated logos and descriptions. Level 1 includes MasterCrackSam.com, TARINGAI, and 4chan. Level 2 includes The Pirate Bay and eMule. Level 3 includes vni, sTORage, and PedoPlanet. Level 4 includes Hidden Wiki and OnionChan. Level 5 includes OnionIB.

**Nivel 1**

Aquí estamos nosotros páginas comunes, Google o Facebook que estan en el mundo visible de la internet

**Nivel 2**

Entramos resultados que Google ha suprimido, paginas con H0ney pots, Pornografía, Freehive, canales como 4Chan y Video Stream.

**Nivel 3**

Los usuarios rosan lo ilegal usando programas como Ares,Utorrent, este nivel ya se encuentra dentro del Deep Web.

**Nivel 4**

Es un nivel peligroso si el usuario es detectado, puede recibir años de cárcel por el solo hecho de estar en estos sitios con Pornografía infantil.

**Nivel 5**

Se caracteriza por dos cosas: El nivel de maldad, o ilegalidad, se traficaba cuerpos muertos y órganos de niños

**Nivel 6**

Los mejores hackers logran acceder el riesgo es muy alto a que te descubran se puede encontrar suicidios y muertes envivo.

**Acceso**

Es imposible entrar desde google, yahoo o buscadores convencionales, tenemos que usar Programas especiales como el Torh que es un navegador que oculta nuestra IP para entrar de una manera anónima .

**Experiencias**

Entre a una página su contenido es realmente muy perturbador, se maneja la pedofilia, drogas, muertes, todo ilegal. y encima comentan las fotos como si fuese algo normal del mundo.

# Deepweb - identity theft

## Onion Identity Services

Products Info

Login Registration

### Order Process:

After buying an ID or passport send us a message with your age and gender so we can find a matching dataset, alternatively you can provide a dataset (name, age, gender, size etc). We will also need a biometric photo in high quality and signature scanned, we will give more instructions after your purchase.

### Passports



| Product                | Price              | Quantity   |
|------------------------|--------------------|--|
| Lithuanian Passport    | 2650 EUR = 1.256 B | <input type="text" value="1"/> X <a href="#">Buy now</a> |
| Netherlands Passport   | 3150 EUR = 1.493 B | <input type="text" value="1"/> X <a href="#">Buy now</a> |
| Denmark Passport       | 3150 EUR = 1.493 B | <input type="text" value="1"/> X <a href="#">Buy now</a> |
| Great Britain Passport | 4000 EUR = 1.896 B | <input type="text" value="1"/> X <a href="#">Buy now</a> |
| Canada Passport        | 2500 EUR = 1.185 B | <input type="text" value="1"/> X <a href="#">Buy now</a> |

# Deepweb – Rent a hacker, dDoS

## Rent-A-Hacker

[Products](#) [FAQs](#) [Register](#) [Login](#)

### Rent-A-Hacker

Experienced hacker offering his services!  
(Illegal) Hacking and social engineering is my bussiness since i was 16 years old, never had a real job so i had the time to get really good at hacking and i made a good amount of money last +-20 years.  
I have worked for other people before, now im also offering my services for everyone with enough cash here.

**Prices:**  
Im not doing this to make a few bucks here and there, im not from some crappy eastern europe country and happy to scam people for 50 euro.  
Im a professional computer expert who could earn 50-100 euro an hour with a legal job.  
So stop reading if you dont have a serious problem worth spending some cash at.  
Prices depend alot on the problem you want me to solve, but minimum amount for smaller jobs is 200 euro.  
You can pay me anonymously using Bitcoin.

**Technical skills:**

- Web (HTML, PHP, SQL, APACHE)
- C/C++, Assembler, Delphi
- 0day Exploits, Highly personalized trojans, Bots, DDOS
- Spear Phishing Attacks to get accounts from selected targets
- Basically anything a hacker needs to be successfull, if i dont know it, ill learn it very fast
- Anonymity: noone will ever find out who i am.

**Social Engineering skills:**

- Very good written and spoken (phone calls) english and german.
- If i cant hack something technically ill make phone calls or write emails to the target to get the needed information, i have had people make things you wouldnt believe really often.
- Alot of experience with security practices inside big corporations.

**What ill do:**  
Ill do anything for money, im not a pussy :) if you want me to destroy some bussiness or a persons life, ill do it!  
Some examples:  
Simply hacking something technically  
Causing alot of technical trouble on websites / networks to disrupt their service with DDOS and other methods.  
Economic espionage  
Getting private information from someone  
Ruining your opponents, bussiness or private persons you dont like, i can run them financially and or get them arrested, whatever you like.  
If you want someone to get known as a child porn user, no problem.

| Product  | Price             | Quantity                    |
|--|-------------------|-----------------------------|
| Small Job like Email, Facebook etc hacking                       | 200 EUR = 1.344 ₪ | 1 x <a href="#">Buy now</a> |
| Medium-Large Job, ruining people, espionage, website hacking etc | 500 EUR = 3.359 ₪ | 1 x <a href="#">Buy now</a> |

## DDoS Attack

## Our Pricing

| 1 Month Basic                  | Bronze Lifetime                | Gold Lifetime                  | Green Lifetime                 | Business Lifetime              |
|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| <b>5.00€</b><br>/month         | <b>22.00€</b><br>Lifetime      | <b>50.00€</b><br>Lifetime      | <b>60.00€</b><br>Lifetime      | <b>90.00€</b><br>lifetime      |
| 1 Concurrent +                 | 1 Concurrent +                 | 1 Concurrent +                 | 1 Concurrent +                 | 1 Concurrent +                 |
| 300 seconds boot time          | 600 seconds boot time          | 1200 seconds boot time         | 1800 seconds boot time         | 3600 seconds boot time         |
| 125Gbps total network capacity | 125Gbps total network capacity | 125Gbps total network capacity | 125Gbps total network capacity | 125Gbps total network capacity |
| Resolvers & Tools              | Resolvers & Tools              | Resolvers & Tools              | Resolvers & Tools              | Resolvers & Tools              |
| 24/7 Dedicated Support         | 24/7 Dedicated Support         | 24/7 Dedicated Support         | 24/7 Dedicated Support         | 24/7 Dedicated Support         |
| <a href="#">Order Now</a>      | <a href="#">Order Now</a>      | <a href="#">Order Now</a>      | <a href="#">Order Now</a>      | <a href="#">Order Now</a>      |

# Deepweb - Carding

Product Groups > Visa > USA

**VISA**

USA  
Canada  
Europe  
Asia

**American Express**

**Mastercard**

**VISA**  
3333 0000 3030 3333  
BILLJONES 00/00

**Visa Classic Credit Card (USA)**  
Issuing Banks: BOA, FNB, CMB, and others...  
Level 1: \$5  
Level 2: \$10  
Level 3: \$20  
**Order Now!**

**VISA**  
3333 0000 3030 3333  
BILLJONES 00/00

**Visa Business Credit Card (USA)**  
Issuing Banks: BOA, FNB, CMB, and others...  
Level 1: \$10  
Level 2: \$20  
Level 3: \$40  
**Order Now!**

**VISA**  
3333 0000 3030 3333  
BILLJONES 00/00

**Visa Platinum Credit Card (USA)**  
Issuing Banks: BOA, FNB, CMB, and others...  
Level 1: \$15  
Level 2: \$30  
Level 3: \$60  
**Order Now!**

**VISA**  
3333 0000 3030 3333  
BILLJONES 00/00

**Visa Infinite Credit Card (USA)**  
Issuing Banks: JP Morgan Chase and others  
Level 1: \$20  
Level 2: \$40  
Level 3: \$80  
**Order Now!**

## FORGERY STORE

\* FAQ \* / Coming Soon / Terms / Contact

FORGERY7HHGHVJJO.ONION

Change Your Life NOW!

American Express Credit Card

Credit Cards

Price: 0.33 BTC  
in stock  
ADD TO BASKET

Change your life!  
American Express credit card with \$2000 in balance!

Products

- ID - Documents
- Passports
- Driving Licenses
- Degrees
- HQ Banknotes

## Phishing as a Service



## Education - Promote the participation of all actors



## Themes

- ¿Qué beneficios brinda usar una tarjeta de débito para realizar transacciones con sumas altas dinero?
- ¿Cómo opera la delincuencia informática?
- Consejos de seguridad para las compras por el Día de la Madre.
- Recomendaciones para evitar ser víctima de suplantación.
- Recomendaciones de Seguridad para Fiestas Patrias.
- ¿Qué es el phishing y cómo evitar enlaces maliciosos?
- Dinero en efectivo, llama peligro.
- Seguridad durante las fiestas de fin de año



## Final Comments

- **Lack of understanding of the ecosystem in which we live**
- **We do what everyone else does and we expect different results**
- **Massive global attacks will continue. Impersonation will increase. User Profile admin must be assigned responsibly**
- **Buying zero-day vulnerabilities encourages search for new attack vectors**
  - **It was paid \$ 1,000,000 for an iOS9 exploit, Exists an offer of \$ 1'500,000 for an exploit of iOS10**
- **The increase in the incidence of collateral type attacks is anticipated**
- **There is a lot to do and it requires tools that allow you to be at the level that demonstrate the crime of the current attacks**
- **Networks must be segmented and verify that we have control of the backup**
- **Criminal organizations attack the financial system, do not focus on an entity, The need for IT security specialists is increasing day by day and the gap continues to increase, hence the need to form alliances for information exchange and collaborative monitoring**
- **Legacy systems prove to be a valuable target for crime because of the greater facility to attack them**
- **If we base our defense system on computer security programs and equipment; when something happens, it will be too late to react, we should orient our information searches and strategies in their origin**