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2014 IATUL Proceedings

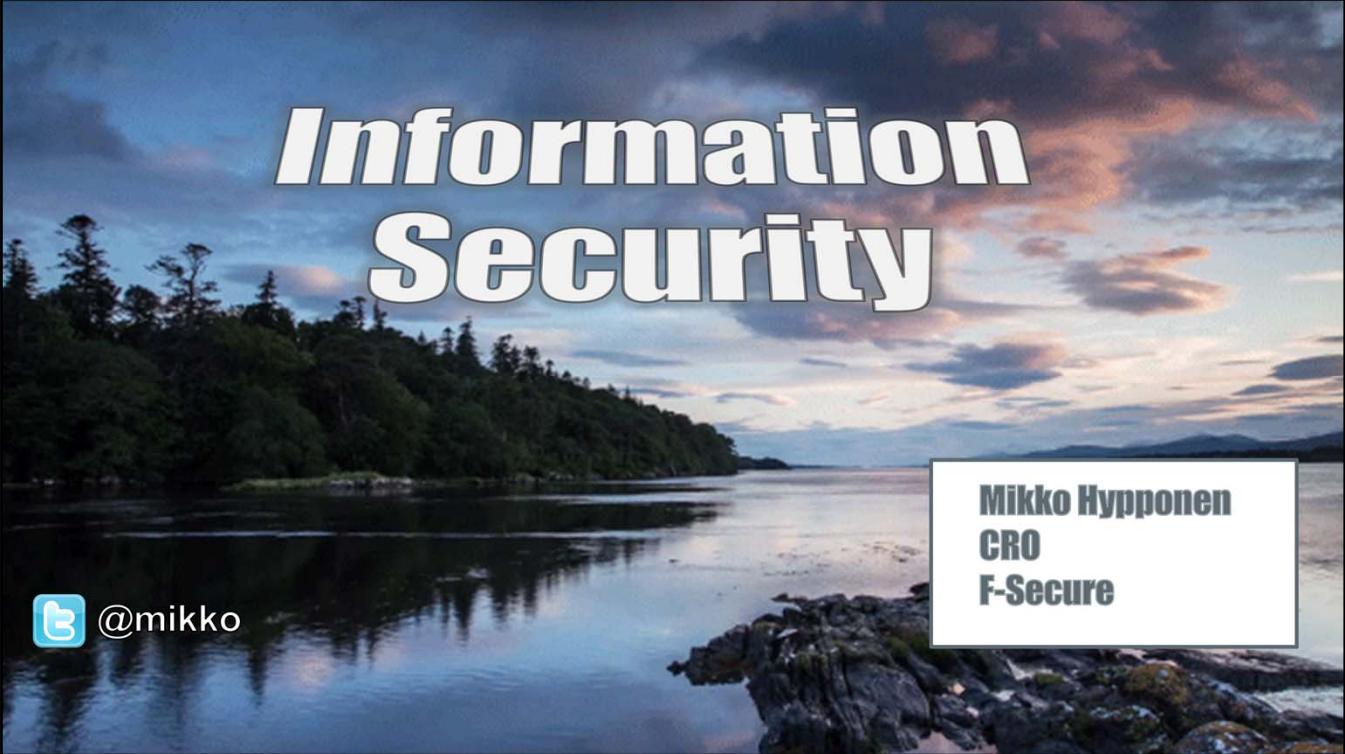
Jun 2nd, 12:00 AM

Information Security

Mikko H. Hyppönen
F-Secure

Mikko H. Hyppönen, "Information Security." *Proceedings of the IATUL Conferences*. Paper 1.
<https://docs.lib.psu.edu/iatul/2014/keynotes/1>

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Information Security

 @mikko

**Mikko Hypponen
CRO
F-Secure**

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Current Sources of Cyber Attacks

Criminals



Hactivists



Governments



F-Secure

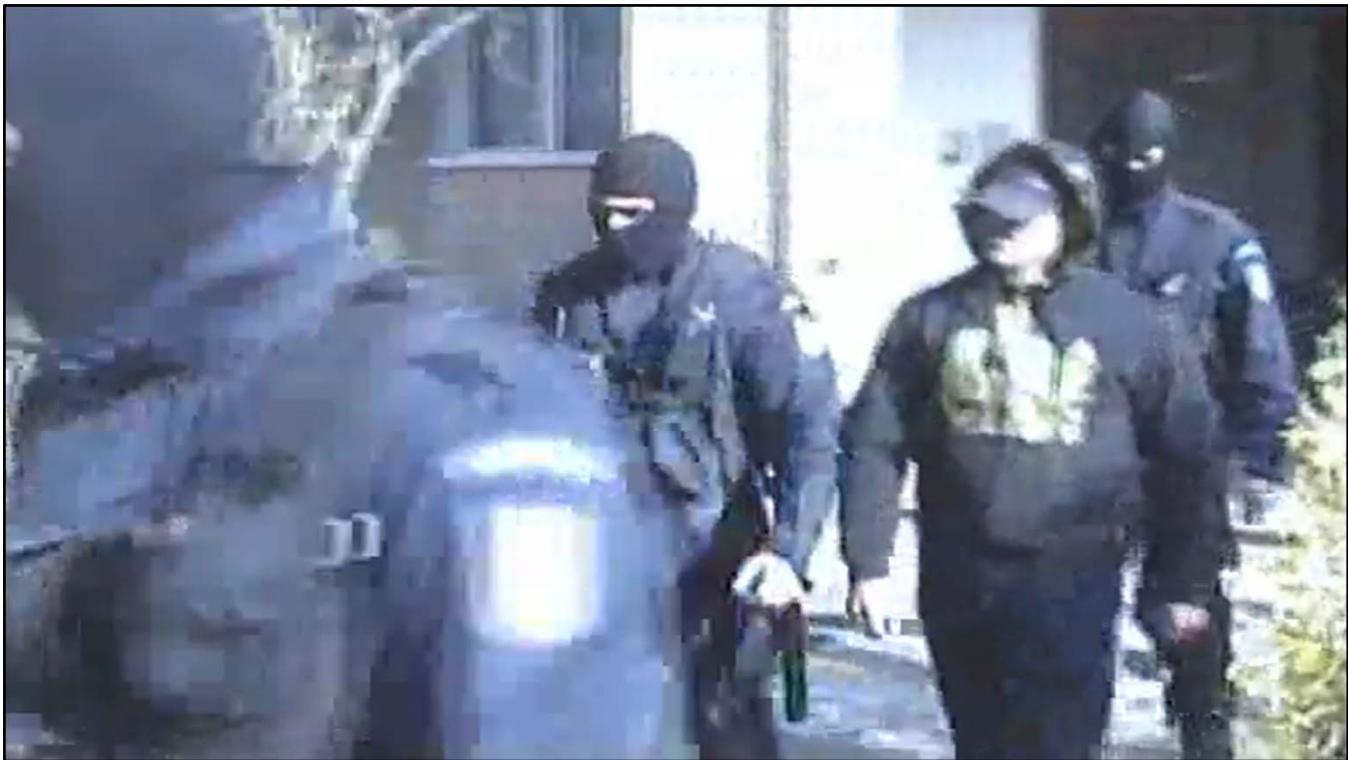
Criminals: motivated by money

Hactivists: motivated by protest

Goverments: espionage, cyber sabotage, cyber war



Mihai Ghita





Banking Trojans
Ransom Trojans
Credit Card keyloggers



Bitcoin mining
DDoS botnets
Clickfraud



MANDIANT

FEDERAL BUREAU OF INVESTIGATION CYBERCRIME DIVISION

Mandiant U.S.A. Cyber Security
FBI. Department of Defense
U.S.A. Cyber Crime Center

Remaining time: 47:54:33

green dot MoneyPak MoneyGram.

Voucher NO/PIN Value
1 2 3 4 5 6 7 8 9 0

Pay MoneyPak Pay MoneyGram

ATTENTION!
Your computer has been blocked up for safety reasons listed below.

You are accused of viewing/storage and/or dissemination of banned pornography (child pornography/zooophilia/rape etc). You have violated World Declaration on non-proliferation of child pornography. You are accused of committing the crime envisaged by Article 161 of United States of America criminal law.

Article 161 of United States of America criminal law provides for the punishment of deprivation of liberty for terms from 5 to 11 years.

 POLICE NATIONALE
Liberté • Égalité • Fraternité
RÉPUBLIQUE FRANÇAISE

 Gendarmerie nationale

 ANSSI





INTERPOL

AGENCE NATIONALE DE LA SÉCURITÉ DES SYSTÈMES D'INFORMATION
Haute Autorité pour la Diffusion des Oeuvres et la Protection des Droits sur Internet

Temps restant: 47:59:15



Code PIN Valeur

ATTENTION!
Votre ordinateur personnel est bloqué pour des raisons de sécurité suivantes.

Vous êtes accusé de visualisation/stockage et/ou de la distribution de matériel de caractère pornographique interdit (Pornographie juvénile/Bestialité/Viol, etc.) Vous avez violé la Déclaration universelle de la lutte contre la propagation de la pornographie juvénile et accusé d'un crime conformément à l'article 161 du Code pénal de la République Française.

L'article 161 du Code pénal de la République Française prévoit pour cela une peine d'incarcération allant de 5 à 11 ans.

Où puis-je acquérir un Ukash?

Vous pouvez obtenir Ukash dans des centaines de milliers d'endroits du monde entier, sur Internet, des portefeuilles, kiosques et GAB.

www.beCHARGE.fr - Utilisez Ukash en ligne 24/7 avec Visa/MasterCard ou Carte Bancaire.

Tabac Presse - est disponible dans des milliers bureaux de tabac.

INTERPOL


Serious Organised Crime Agency
METROPOLITAN BRITISH POLICE

Remaining time: 47:56:04

IP: [REDACTED]
 Country: GB Great Britain
 Region: [REDACTED]
 City: London
 ISP: [REDACTED]
 Operating System: Windows 7 (64-bit)
 User Name: [REDACTED]

ATTENTION!
Your computer has been blocked up for safety reasons listed below.

You are accused of viewing/storage and/or dissemination of banned pornography (child pornography/zooophilia/rape etc). You have violated World Declaration on non-proliferation of child pornography. You are accused of committing the crime envisaged by Article 161 of the Kingdom of Great Britain criminal law.

Article 161 of the Kingdom of Great Britain criminal law provides for the punishment of deprivation of liberty for terms from 5 to 11 years.

Voucher NO/PIN Value
 1 2 3 4 5 6 7 8 9 0

Where can I get Ukash?

You could buy Ukash in many places, for example: shops, stalls, stand-alone terminals, on-line or through E-Wallet (electronic cash), from ePay, PayPoint and PayZone outlets.




الى موقع شرطة منطقة الرياض
 وزارة الداخلية

مركز القيادة والسيطرة
قوات الأمن الخاصة
مركز المعلومات

الوقت المتبقى: 47:59:07

cashU®

الرمز الشخصي

الكمية

دفع



: IP
SA Saudi Arabia
بلد :
منطقة :
مدينة :
ISP :
نظام التشغيل : Windows 7 (64-bit)
اسم المستخدم :

تحذير ! تم إغلاق جهاز الكمبيوتر الشخصي لأسباب تتعلق بالسلامة المدرجة أدناه.

أنت متهم بعرض / تخزين و/أو توزيع مواد إباحية محظورة (استغلال الأطفال إياحها / البهيمة / اغتصاب، وما إلى ذلك). لقد انتهكت الإعلان العالمي بشأن مكافحة انتشار المواد الإباحية ومتهم بارتكاب جريمة بموجب المادة 161 من القانون الجنائي في المملكة العربية السعودية.

تنص المادة 161 من القانون الجنائي في المملكة العربية السعودية على عقوبة السجن من 5-11 عاما.

وكذلك يشتبه في أنك قمت بانتهاك "قانون حقوق النشر والتأليف" (تحميل الموسيقى المقرصنة، الفيديو، والبرمجيات غير الأصلية)، واستخدام و/أو توزيع محتويات محمية بموجب قانون حقوق النشر. وبذلك يشتبه في انتهاكك للمادة 148

The screenshot shows a computer screen with a police-themed header. The header features the word 'POLIISI' repeated in blue and white, along with the Finnish flag and a lion rampant logo. To the right is a portrait of President Niinistö. The main content area has a dark background with a gavel and handcuffs icon. It displays the following text:

HUOMIO!
Titokonesi on lukittu turvallisuuden vuoksi allamainittujen syiden takia.

Sinut syytetään kielletyn pornograafisen aineiston (Lapsiporno/Zoofilia/Raiskaus jne.) katselusta/säilytyksestä ja/tai levityksestä. Sinä olet rikkoneet lapsipornografian levitystä vastaisen yleismaailmallisen julistuksen ja sinut syytetään Suomen tasavallan rikoslain lakipykälän 161 edellyttämään rikokseen.

Below this, a note states: "Suomen tasavallan rikoslain lakipykälä 161 edellyttää rangaistuksena vapausrangaistusta 2-8 vuotta."

On the right side, there is a 'paysafecard' payment interface with fields for PIN and amount, and a button to pay with a PaySafeCard.







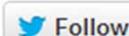




50,187
TWEETS

7,012
FOLLOWING

1,903,328
FOLLOWERS

 Follow

Tweets [All](#) / No replies



The Associated Press @AP

2m

Breaking: Two Explosions in the White House and Barack Obama is injured
[Expand](#)



The Associated Press @AP

25m

Democratic Sen. Baucus, Finance committee chairman, says he won't run for re-election: apne.ws/10bIOff -CJ
[View summary](#)

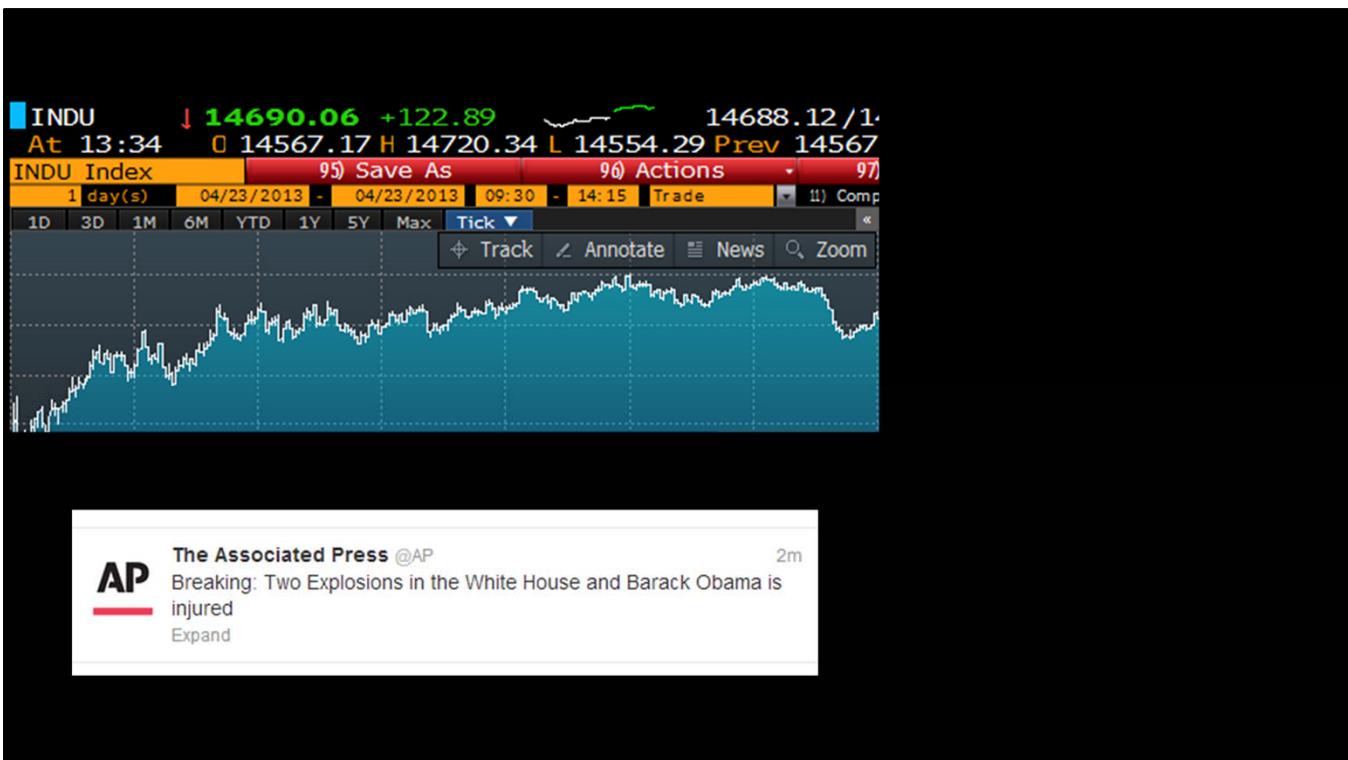


The Associated Press @AP

33m

BREAKING: Judge tosses 3 murder charges against Pa. abortion doc involving babies allegedly born alive.
[Expand](#)

 F-Secure



Governments.

Writing Viruses.



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should i tell my girl

should i tell my girl**friend i cheated**

should i tell my girl**friend**

should i tell my girl**friend i love her**

should i tell my girl**friend everything**

avoiding tax|

avoiding taxes

avoiding taxes **on sale of home**

avoiding taxes **on ira withdrawals**

avoiding tax **on amazon**

is my invention|

is my invention **a good idea**

is my invention **worth patenting**

is my invention **already patented**

is my invention **patentable**

rash on my genital area

rash on my **genital area**

rash on my **son's genital area**

rash **around** my **genital area**

i have a rash on my **genital area**

About 1,120,000 results (0.35 seconds)





UNITED STATES DISTRICT COURT
for the
Eastern District of Virginia

JUN 14

United States of America)
v.)
Edward J. Snowden) Case No. 1:13 CR 265 (GMH)
)
)
)
)
)

Defendant(s)

UNDER SEAL

CRIMINAL COMPLAINT

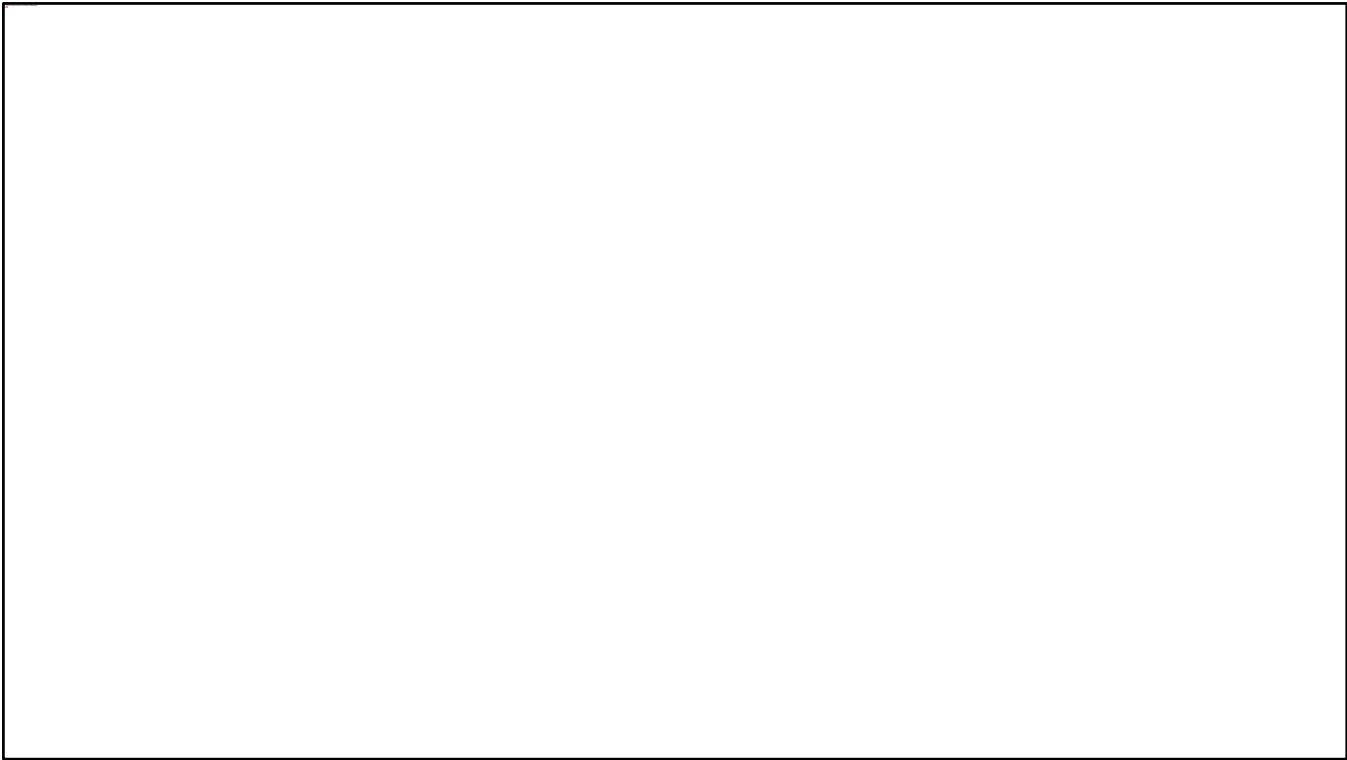
I, the complainant in this case, state that the following is true to the best of my knowledge and belief.

On or about the date(s) of May 2013 in the county of Not Applicable in the
District of Not Applicable, the defendant(s) violated:

Code Section

Offense Description

18 U.S.C. 793(d) Unauthorized Communication of National Defense Information

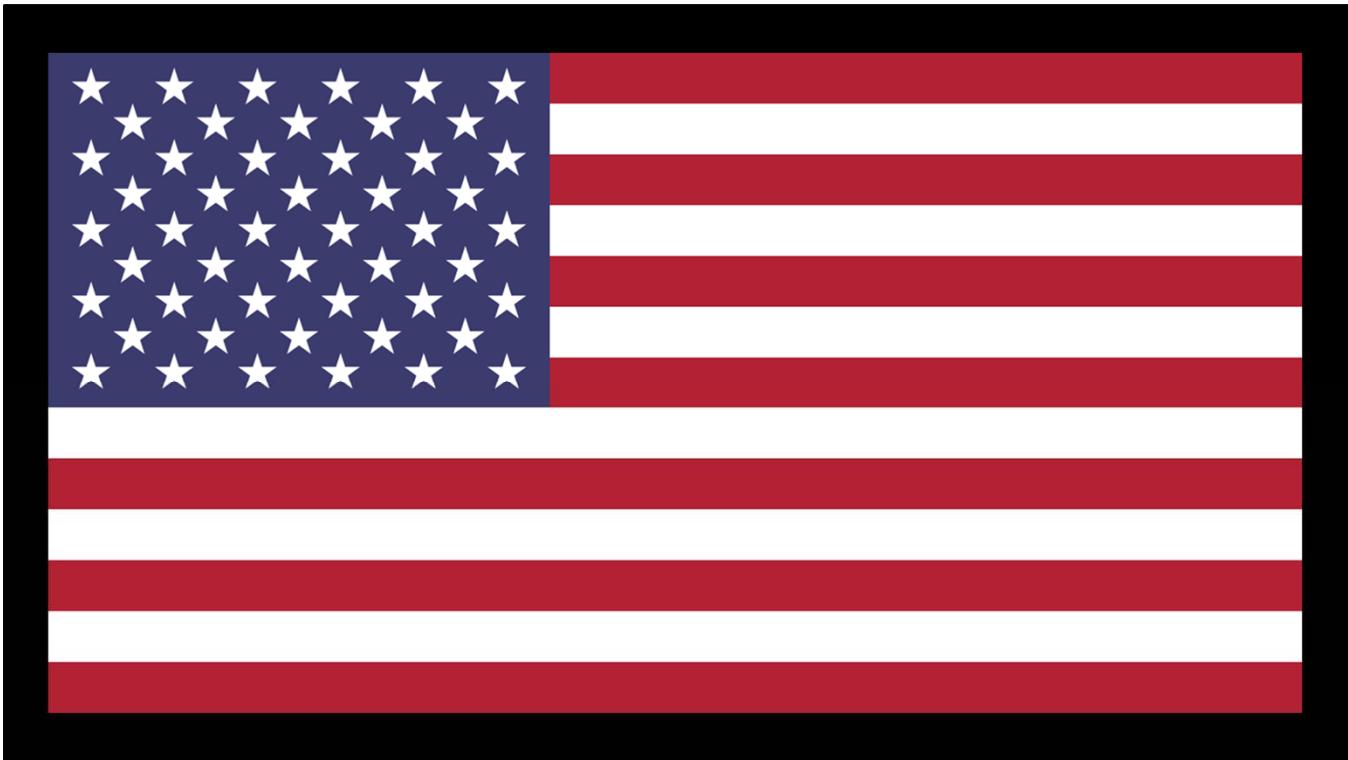




The White House

@WhiteHouse

President Obama: "Six years ago, only 5% of the world's smartphones ran on American operating systems. Today, more than 80% do."



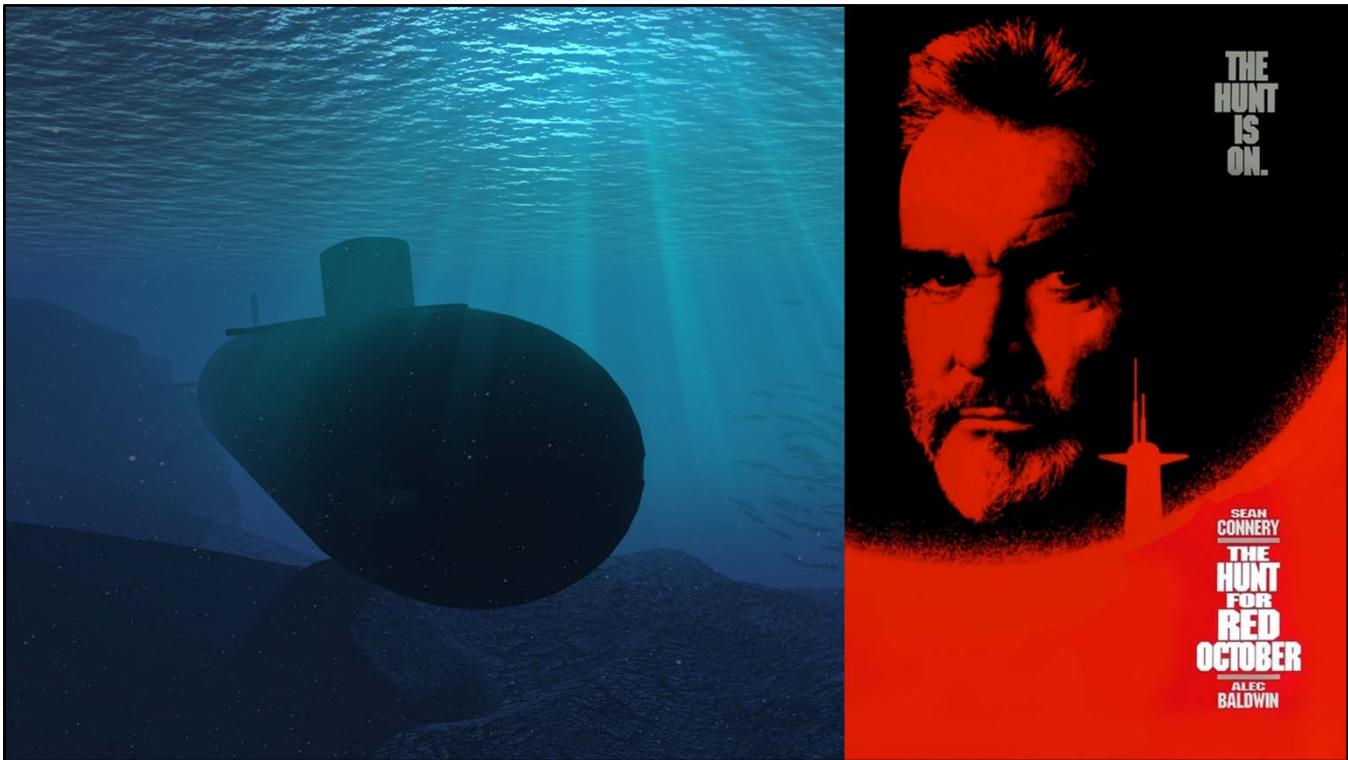
USA is on the wire

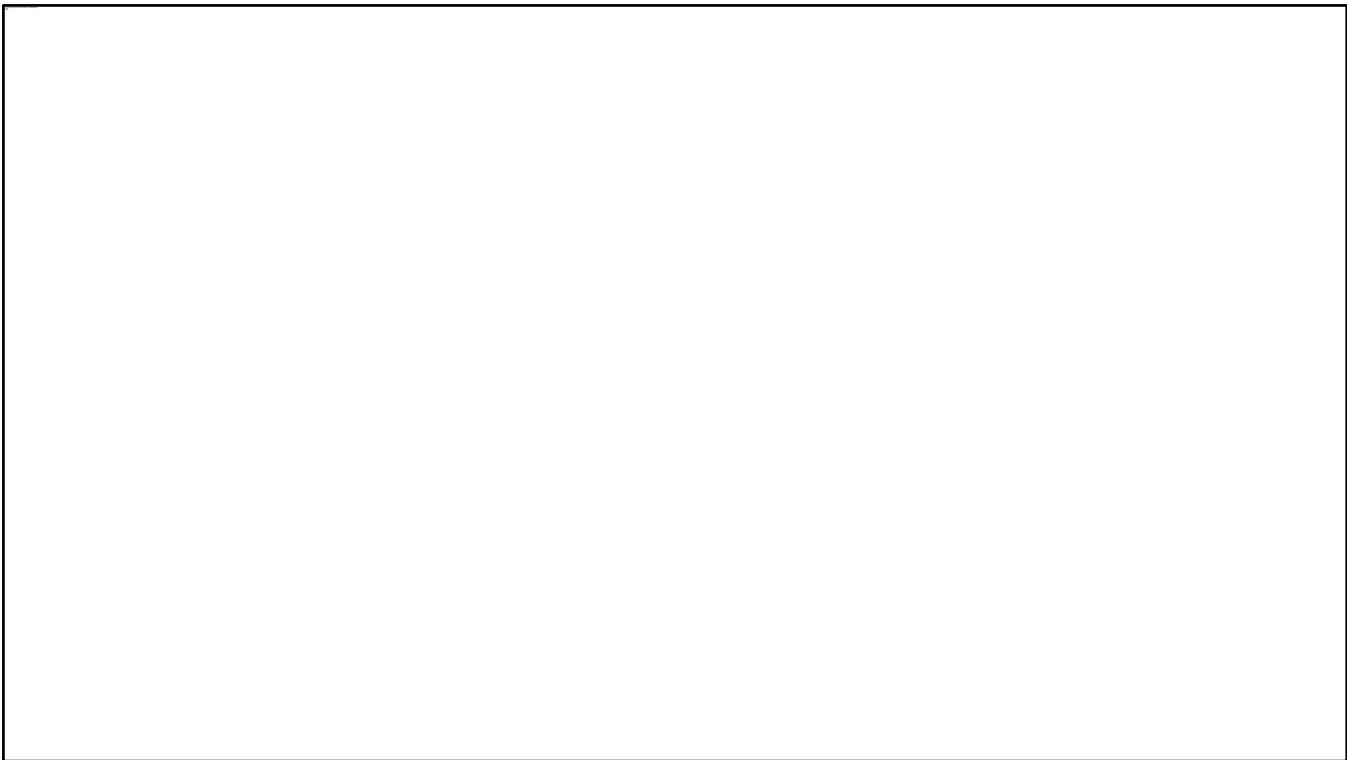
Simple Test

- Step 1: Name 5 large American internet companies
- Step 2: Name 5 large European internet companies

Rank	Company	Country of HQ location	Public	Software +Services 2012 (m€)	Total revenue 2012 (m€)	R&D employees 2012
1	SAP	DE		15 930.0	16 222.0	18 012
2	Dassault Systemes	FR		1 853.4	2 038.5	4 500
3	Sage	UK		1 591.4	1 675.1	1 391
4	Hexagon	SE		1 282.8	2 380.0	3 000
5	Wincor Nixdorf	DE		1 257.3	2 390.3	781
6	Asseco Group	PL		1 002.1	1 320.1	3 180
7	Software AG	DE		922.2	1 047.3	887
8	DATEV	DE		736.7	759.5	1 312
9	Wolters Kluwer	NL		733.4	3 597.0	2 312
10	SWIFT	BE		594.9	597.0	465
11	Acision	UK		516.4	516.4	486
12	Unit4	NL		469.8	469.8	1 325
13	Misys	UK		454.3	454.3	1 100
14	Swisslog	CH		403.7	540.9	79
15	Visma	NO		392.1	768.2	303

Source: Truffle 100





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