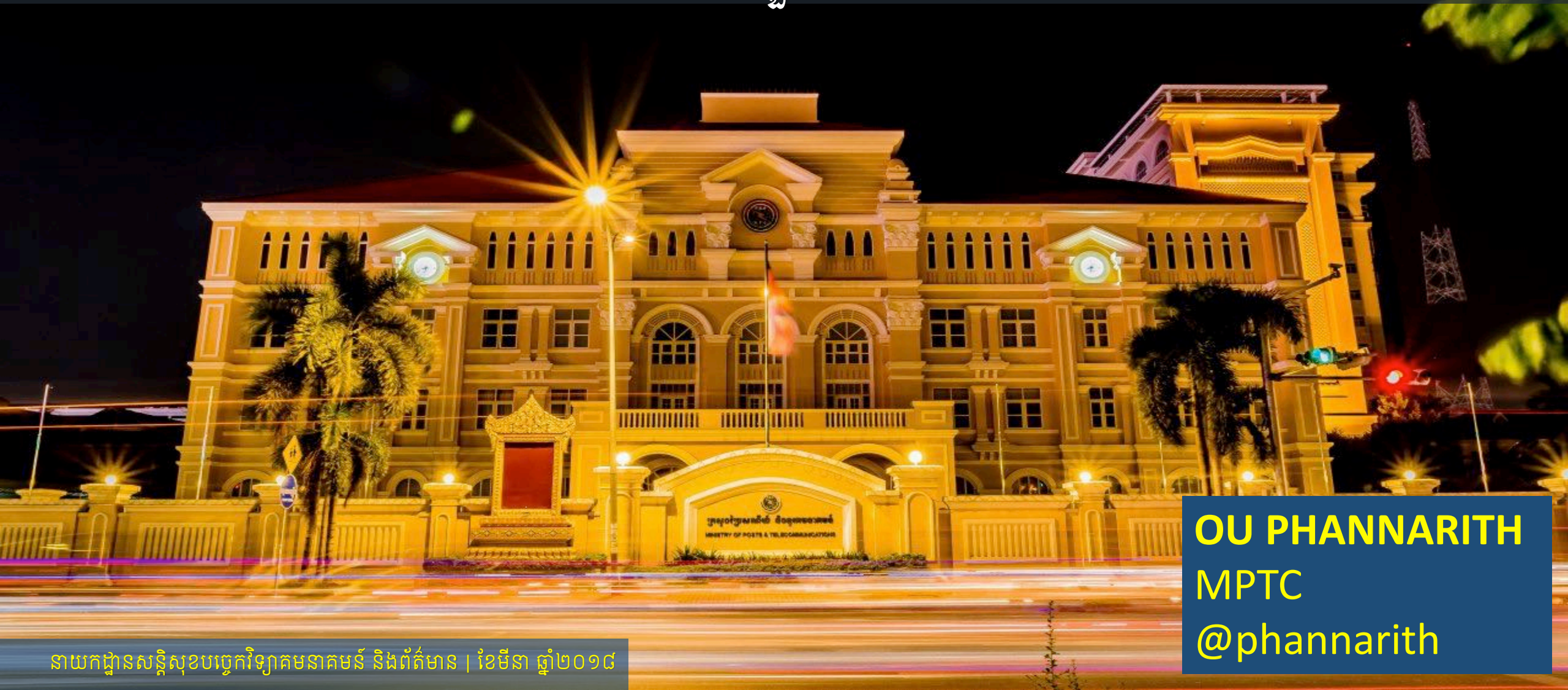
បដិវត្តន៍នៃការគំរាមគំហែងតាមអ៊ុនធឺណិត

តើយើងត្រៀមខ្លួនហើយឬនៅ?



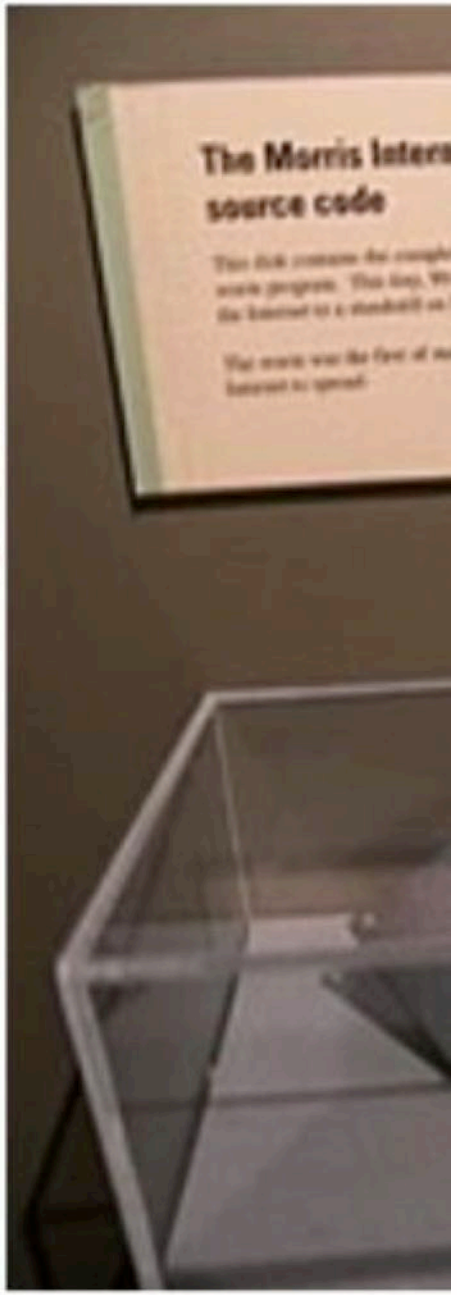
OU PHANNARITH
MPTC
@phannarith

AV industry in 1998

AV industry in 2008

Which computer is not running Antivirus Software?

ARE YOU SURE, YOU ARE SAFE?


The Morris Intern
source code


ource code
of the Morris Internet
ought large pieces
, 1988.
rams that use the
Computer
History
Museum
Internet Worm -
Source code
X1294.96 A-D

rosoft Outlook

w Go Tools Actions Help

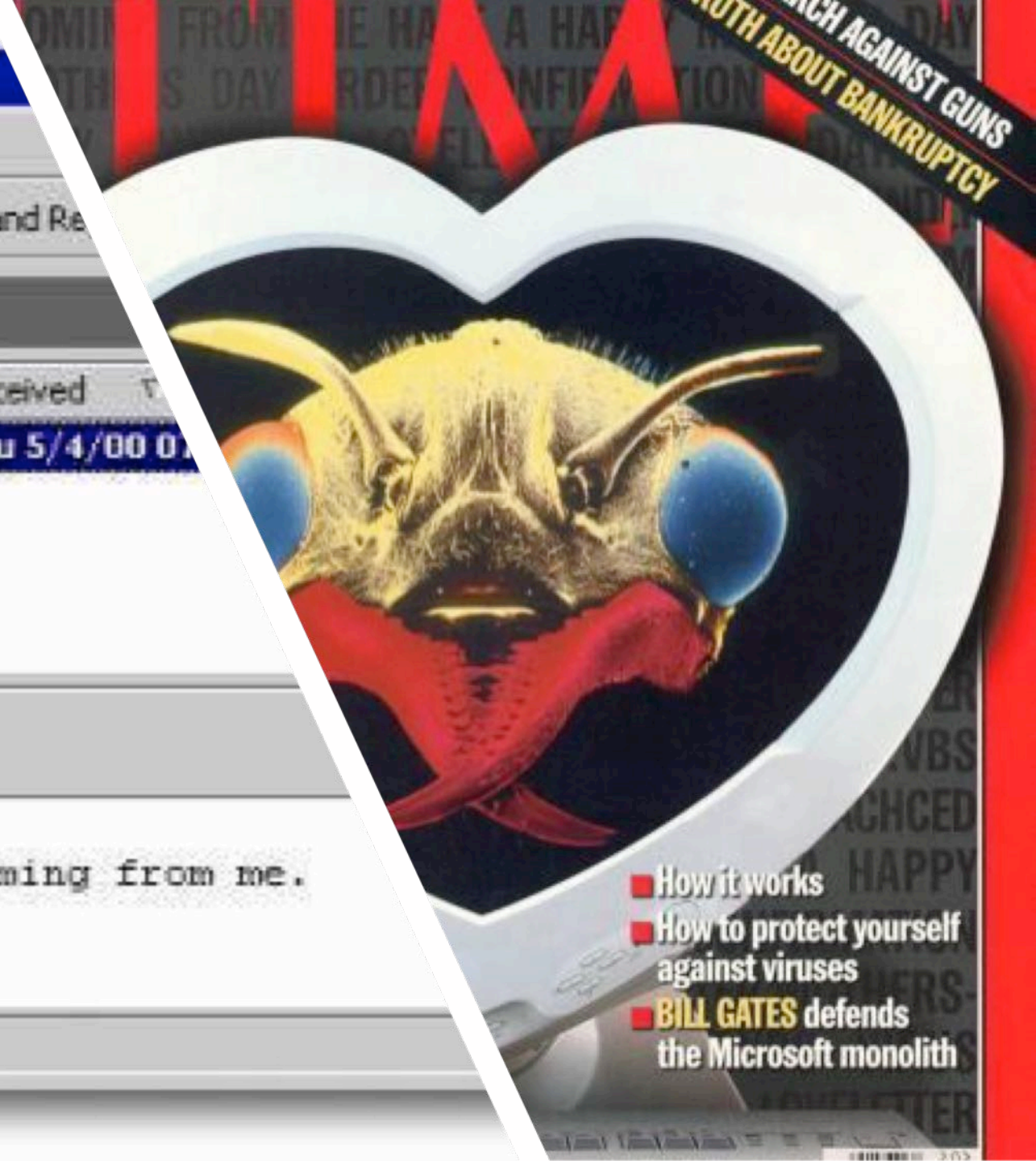
Reply Reply to All Forward Send and Re

Inbox

!	From	Subject	Received
	Qui-Gon ...	ILOVEYOU	Thu 5/4/00 0

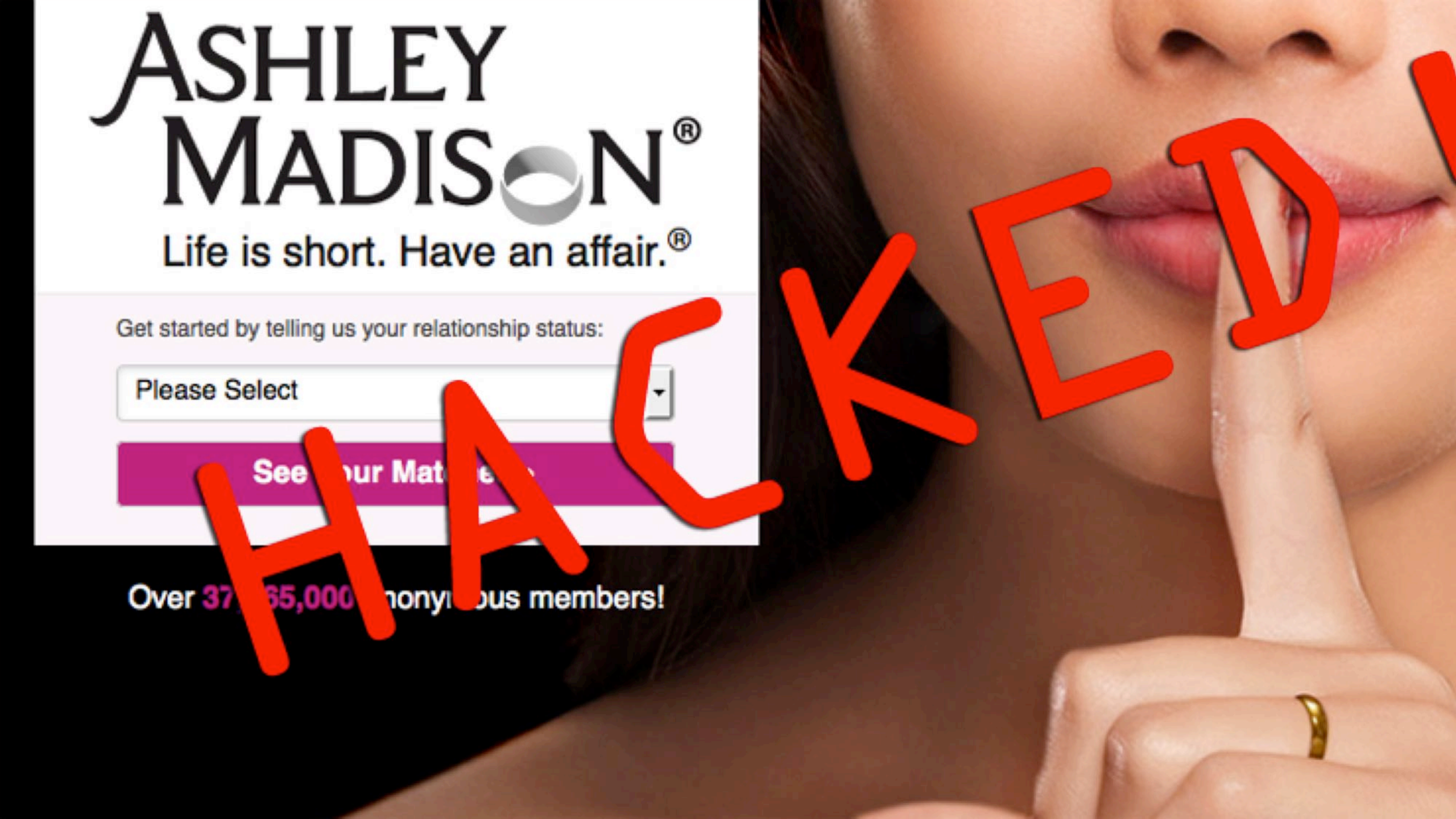
From: Qui-Gon Jinn **To:** Obi-Wan Kenobi
Subject: ILOVEYOU **Cc:**

kindly check the attached LOVELETTER coming from me.




ESTONIA CYBER
DATE:
APRIL 2007
IMPACT:
Estonia's government, financial, and media online services were knocked offline
Exclusive Exclusive Exclusive
Paide
Jaan
Põlts

"FLAME" BURNS MIDDLE EAST COMPU
Sophisticated virus hits Iran particularly h
Rubio on voter ID laws and Latinos: 'What's the big deal?'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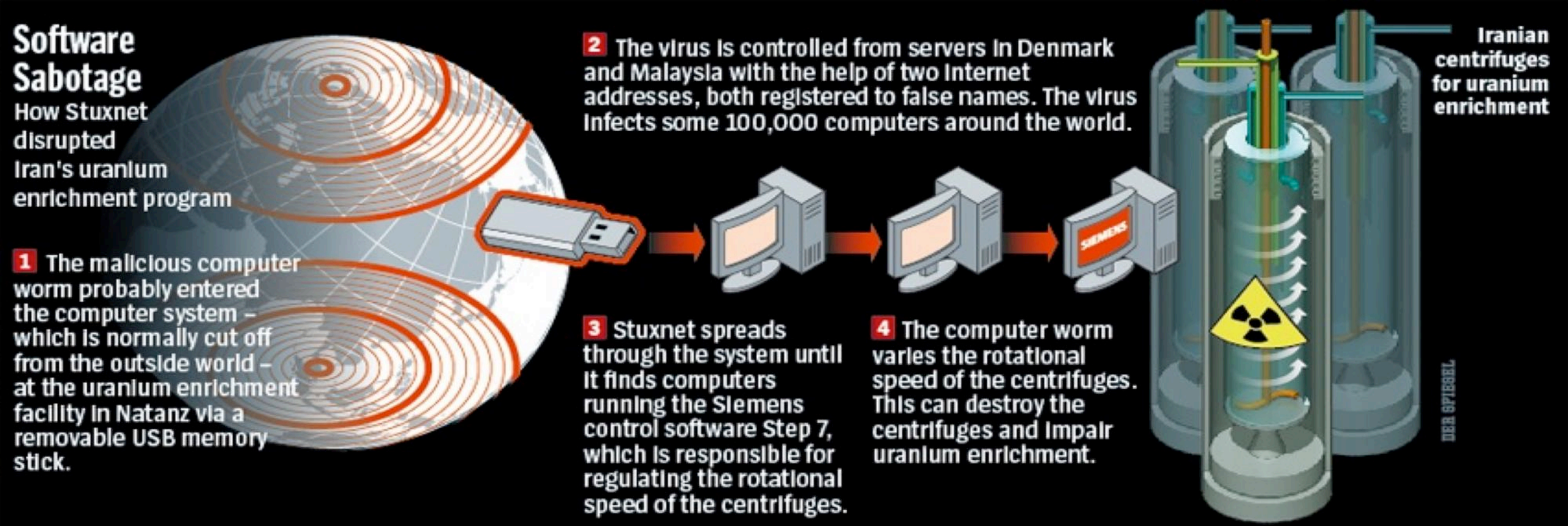
Please Select
HACKED!

Software Sabotage

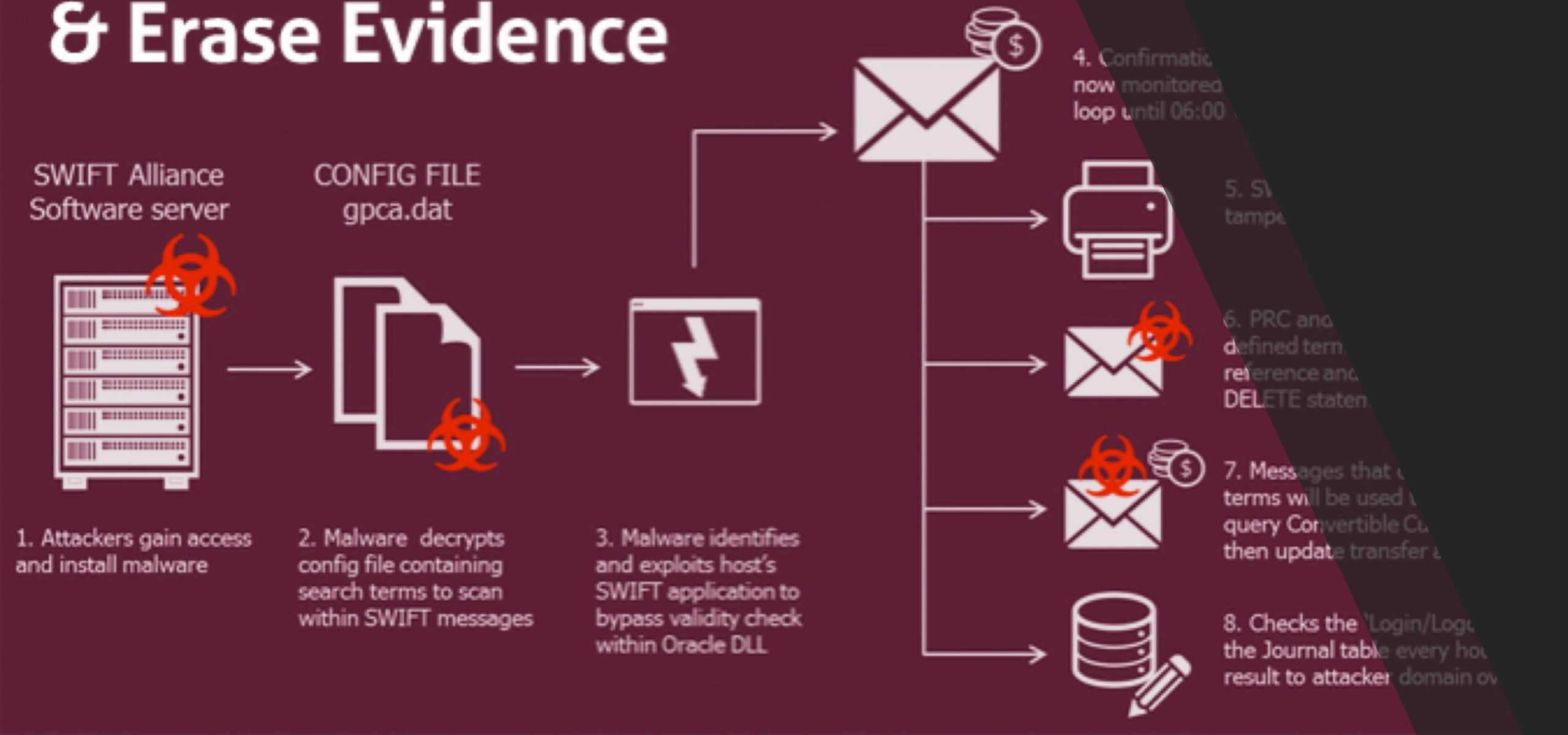
How Stuxnet disrupted Iran's uranium enrichment program



5 The Stuxnet attacks start in June 2009. From this point on, the number of inoperative centrifuges increases sharply.

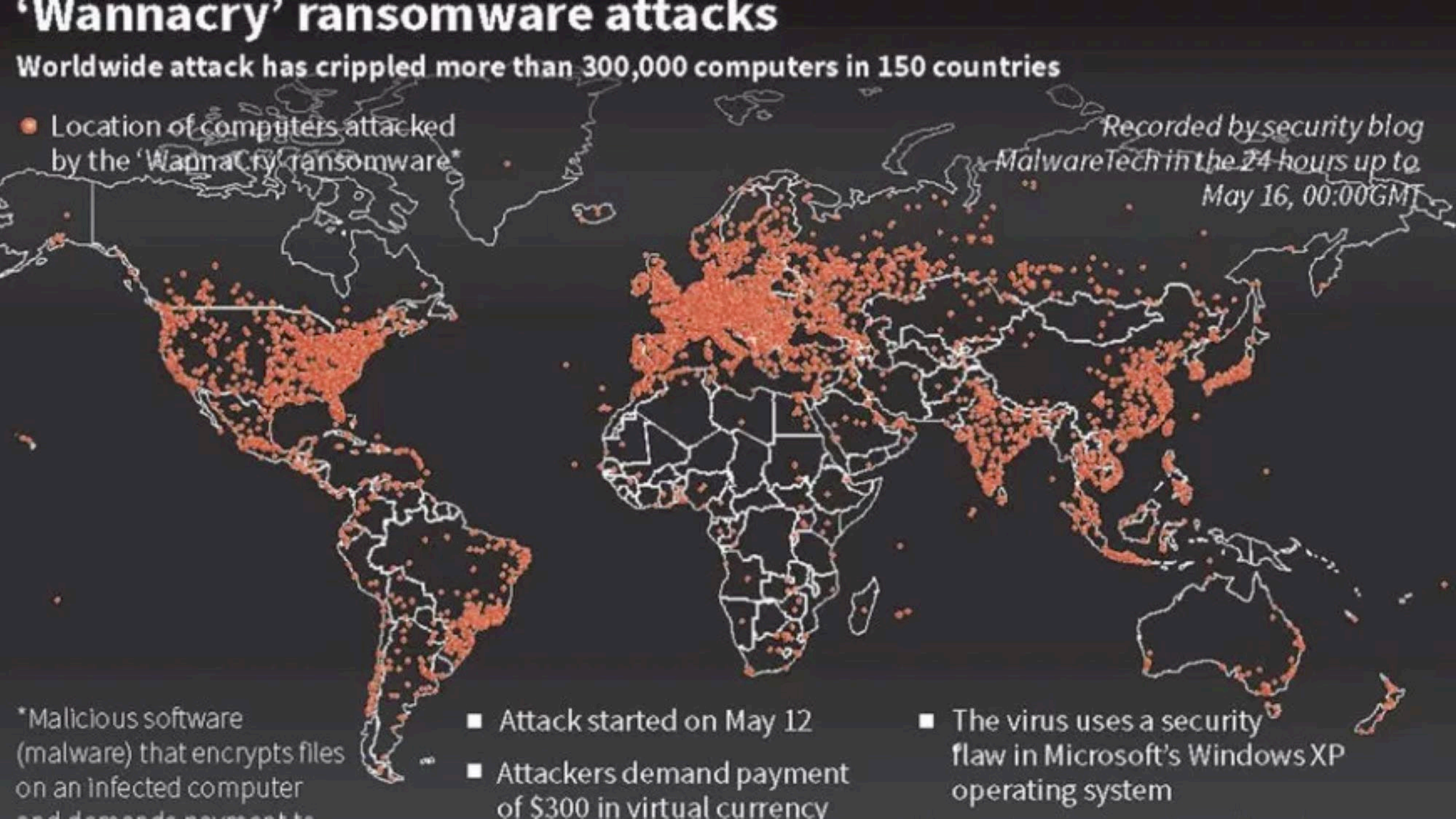
Source: IAEA, ISIS, FAS, World Nuclear Association, FT research

Hackers accessed SWIFT to Ste
& Erase Evidence



‘Wannacry’ ransomware attacks

Worldwide attack has crippled more than 300,000 computers in 150 countries



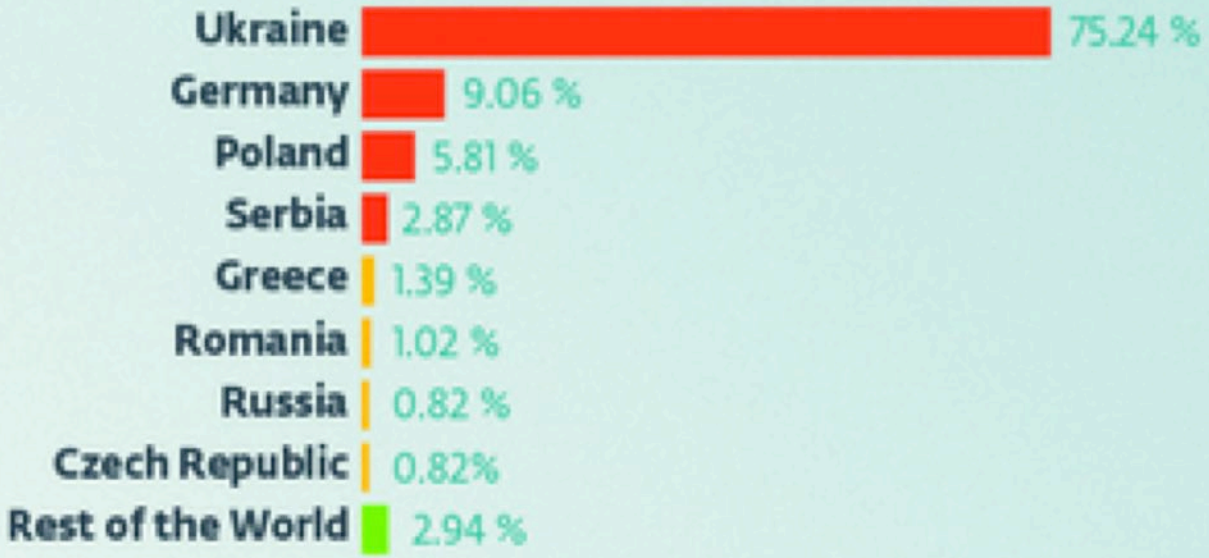
*Malicious software (malware) that encrypts files on an infected computer and demands payment to

- Attack started on May 12
- Attackers demand payment of $300 in virtual currency
- The virus uses a security flaw in Microsoft’s Windows XP operating system


加油卡自助服务终端
Fuel Card Self-service Terminal
中国石油
Abfahrt Departure
Gleis
platform
Nach
to
Über
via
Zeit
time
Königstein (Ts)
Riedstadt Goddelau
Stuttgart Hbf
Marburg (Lahn)
Dillenburg
Kassel-Wilhelmsh.
Treysa
Siegen
Nürnberg Hbf
Saarbrücken Hbf
Bebra
F-Höchst - Kelkheim
Hanau - Fulda
Friedberg - Gießen
Friedberg - Wetzlar
Hanau - Aschaffenburg
Flughafen /Airport - Mainz Hbf
F-Süd - Hanau
Niederrad - Stadion
Mannheim
Ooops, your files have been encrypted!
bitcoin

PETYA

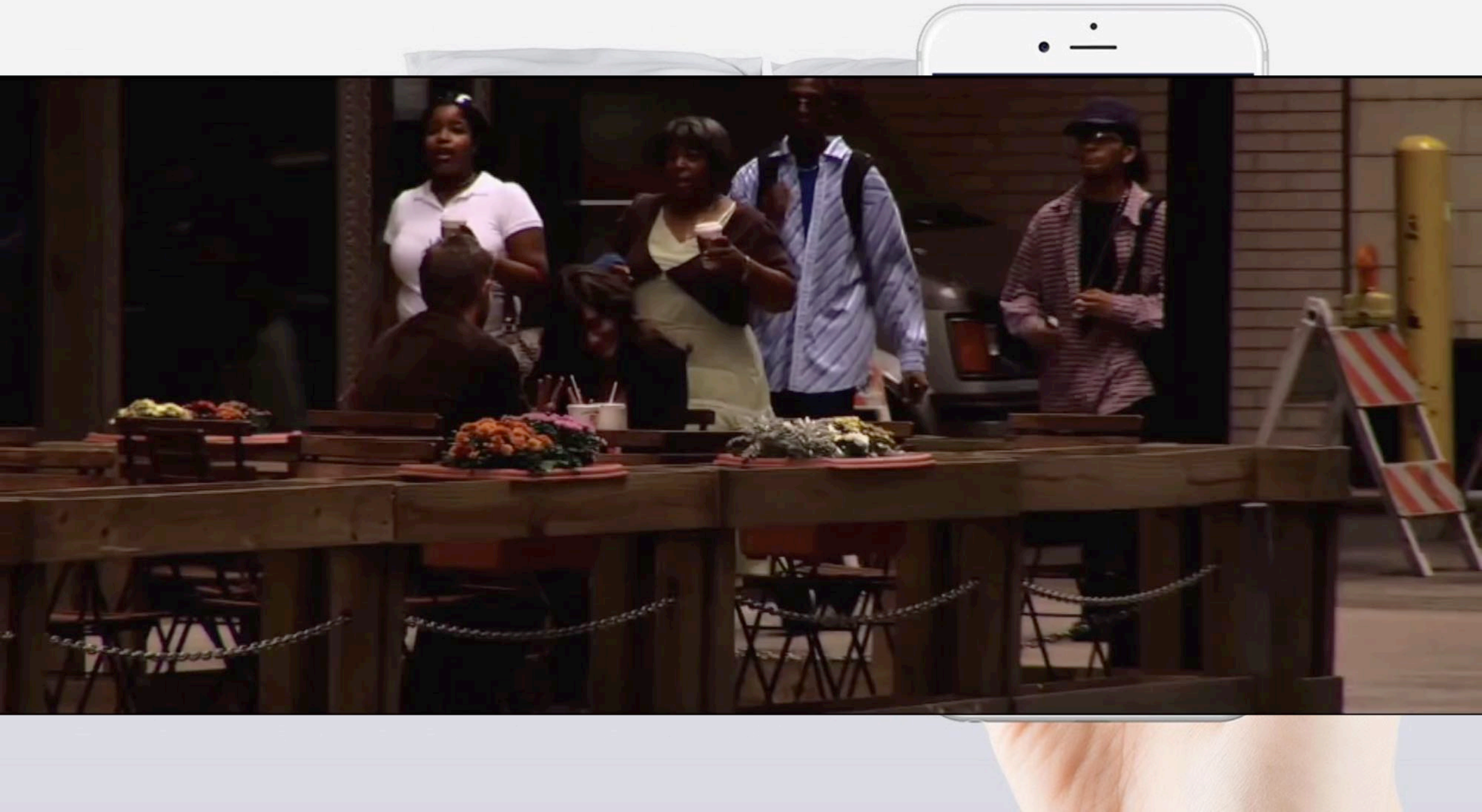
Ransomware Outbreak



ESET ENJOY SAFER TECHNOLOGY™


On December 23rd, 2015,
hackers caused a blackout
for roughly a quarter
million Ukrainians.


The INTERNET of
THINGS
SPEED LIMIT 40



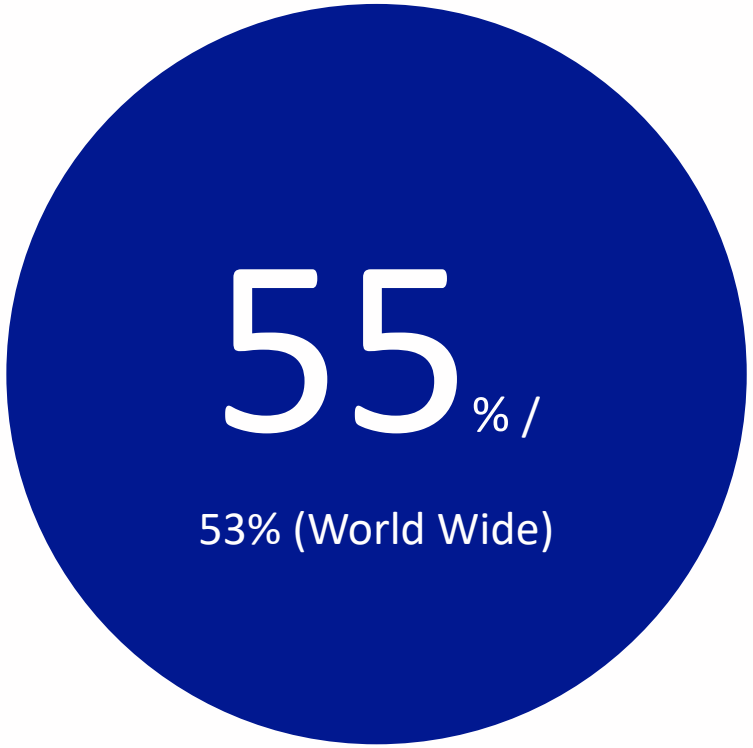
```
onnection to 5.206.225.96 23 port [tcp/telnet] succeeded
. . .
```

```
                - A text-based MUD by Oscar Popodokulus -

o account? Register at www.elrooted.com
nter user> yop
op
nter pass> yop
**

isconnected by server. |
ress any key to exit.
```

Days until breach discovery



Breach Notifications by External

Source: M-Trend 2016 Asia Pacific Edition

Reputation

Account
Credential

Legal

nothing

hopping

SPAMING

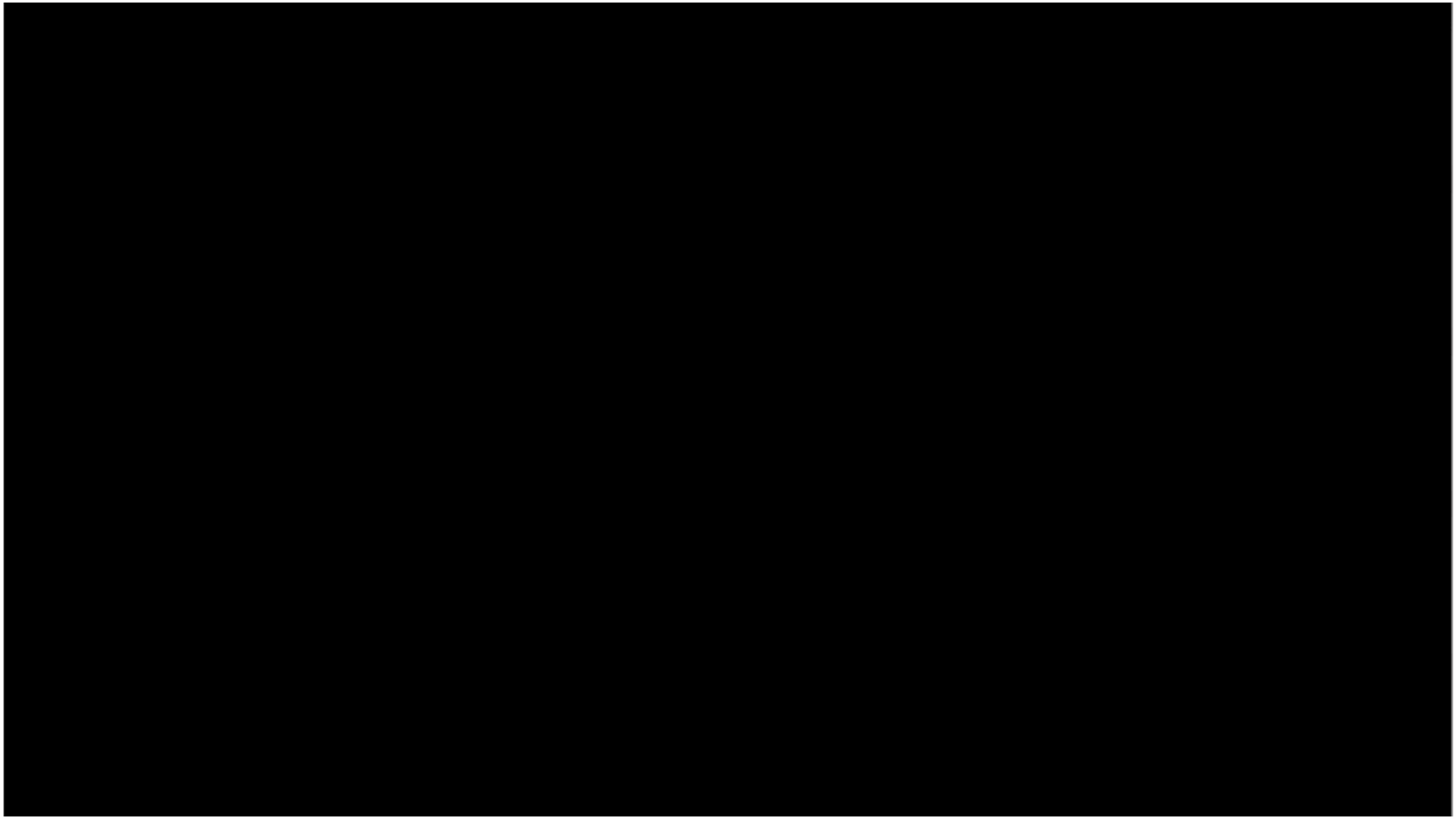
Hosting
Malware

Safe
Home

THE UNDERGROUND ECONOMY

32

BLACK MARKETS




They only need to be right
We need to be right
ONE TIME
EVERY TIME

Vuthea Chheang
1 hr ·

ឱ!ចោរមុខស្រស់ ដោះមិនប្រណី សូម្បីសោរក្តី ក៏វាមិនលែង។
ទុកតែកង់មុខ ឲ្យម្ចាស់យើញស្តែង កុំឲ្យរមែង ថាបាត់ទាំងអស់។
— at Chungbuk National University.

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Heak Menghok ចោរចិត្តល្អ
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Khi Hort Not vuthea's bicycle.
Like · Reply · 58 mins

Vuthea Chheang កង់ខ្ញុំ ពណ៌ទឹកសមុទ្ទ
Like · Reply · 57 mins

Eam Voleak Strong haha
Like · Reply · 1 · 47 mins

라승주 be careful. it often happens
Like · Reply · 1 · 43 mins

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THANK YOU