



F-Secure

# NEXT 20 YEARS 2038 THE EPOCHOLYPSE



Mikko Hypponen  
F-Secure





ZP-605

LSZ-529

WW

R3-2

BLACK HAT 1997

ONE WAY

DEPT. OF TRANSPORTATION

# **EVERYTHING OLD IS NEW AGAIN**



# THE AIDS INFORMATION TROJAN 1989



**Dear Customer:**

It is time to pay for your software lease from PC Cyborg Corporation. Complete the INVOICE and attach payment for the lease option of your choice. If you don't use the printed INVOICE, then be sure to refer to the important reference numbers below in all correspondence. In return you will receive:

- a renewal software package with easy-to-follow, complete instructions;
- an automatic, self-installing diskette that anyone can apply in minutes.

Important reference numbers: A5599796-26955??-

The price of 365 user applications is US\$189. The price of a lease for the lifetime of your hard disk is US\$378. You must enclose a bankers draft, cashier's check or international money order payable to PC CYBORG CORPORATION for the full amount of \$189 or \$378 with your order. Include your name, company, address, city, state, country, zip or postal code. Mail your order to PC Cyborg Corporation, P.O. Box 87-17-44, Panama 7, Panama.

Press ENTER to continue

## The AIDS Information Trojan from 1989:

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to PC Cyborg Corporation, P.O. Box 82-17-44, Panama 7, Panama.

Press ENTER to continue

## The 'Petya' MBR ransom trojan from 2016:

You became victim of the PETYA RANSOMWARE!

The harddisks of your computer have been encrypted with an military grade  
encryption algorithm. There is no way to restore your data without a special  
key. You can purchase this key on the darknet page shown in step 2.

To purchase your key and restore your data, please follow these three easy  
steps:

1. Download the Tor Browser at "<https://www.torproject.org/>". If you need  
help, please google for "access onion page".
2. Visit one of the following pages with the Tor Browser:

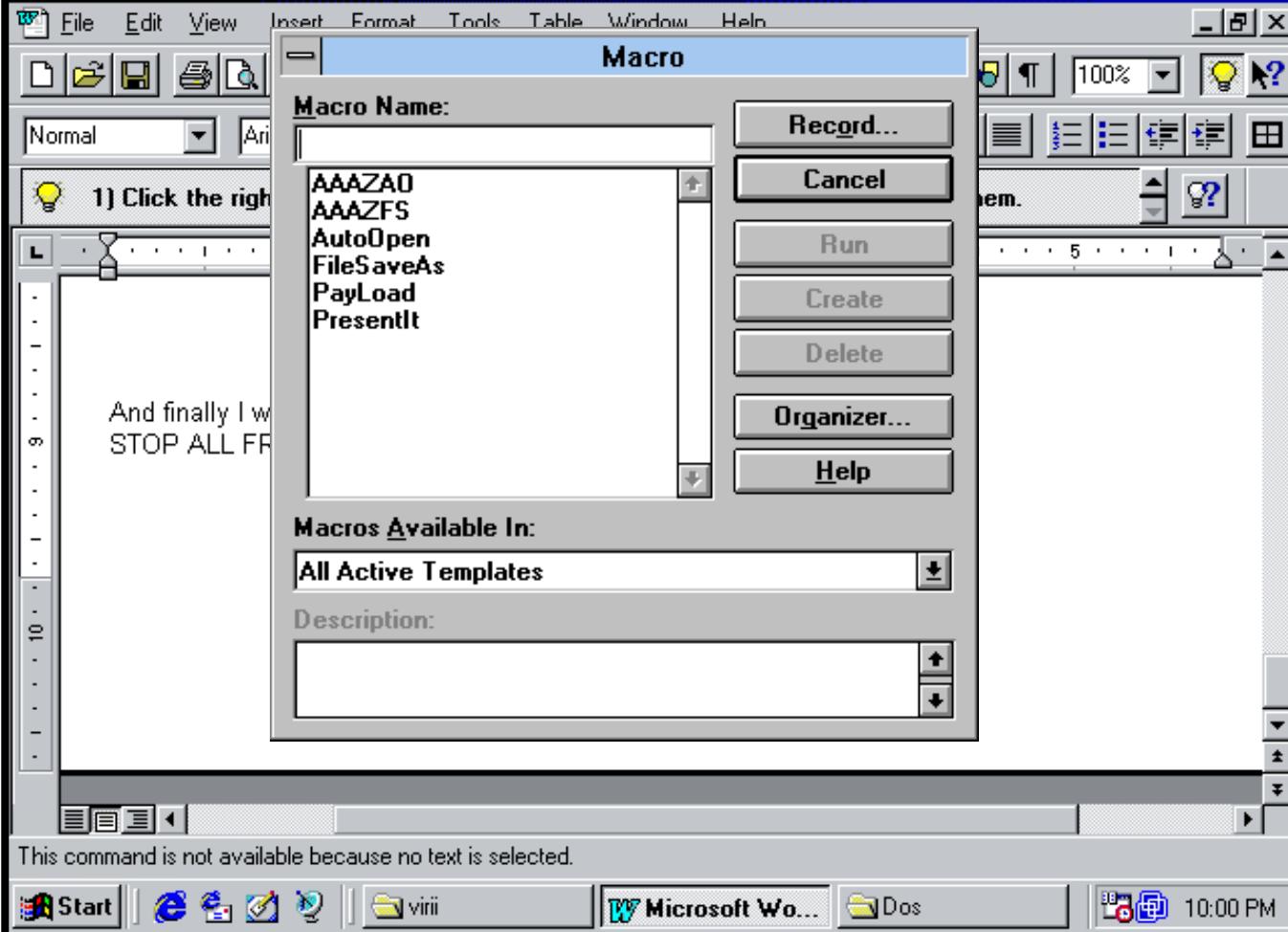
<http://petya37h5tbhyuki.onion/LqPm0G>  
<http://petya5koahsf7sv.onion/LqPm0G>

3. Enter your personal decryption code there:

cfNnLe-Mpzkg3-Bxxunx-hHRRko-KEJUh6-4np3Jo-Eei8UT-uTe6N2-tzbCAQ-gqNMm5-  
99z8RA-2nnvBq-pApMsZ-n99WQm-fUFT1i

If you already purchased your key, please enter it below.

Key:



```
Trying 192.168.1.10...
Connected to 192.168.1.10.
Escape character is '^]'.
```

```
1
```

```
----- DevScopes.pScopes[0].scopes : onvif://www.onvif.org/type/video_encoder;-----
----- DevScopes.pScopes[1].scopes : onvif://www.onvif.org/type/audio_encoder;-----
----- DevScopes.pScopes[2].scopes : onvif://www.onvif.org/hardware/IPC-model;-----
----- DevScopes.pScopes[3].scopes : onvif://www.onvif.org/location/country/china;
----- DevScopes.pScopes[4].scopes : onvif://www.onvif.org/name/NVT;-----
_main_Resolutions[0] Width=[704],Height=[576]
_main_Resolutions[1] Width=[1280],Height=[720]
__EX__Resolutions[0] Width=[704],Height=[576]
EX_Resolutions[1] Width=[352],Height=[288]
```

Connection to 5.206.225.96 23 succeeded!

... . . . .  
.. . . . : .@88>  
.. . . . %8P  
.888: x888 x888.  
~ 8888~'888X ?888f .@88u =  
X888 888X '888> , '888E  
X888 888X '888> 888E  
X888 888X '888> 888E  
X888 888X '888> 888E  
~\*88%~\*88~ '888! 888&  
~ " " " R888~  
" "

Username	Password	
admin	admin	
root	default	
support	support	@88>
admin	password	%8P
root	root	.
root	12345	@88u
root	password	'888E
service	service	888E
guest	guest	888E
root	user	888&
tech	tech	R888~
mother	father	"

# FUTURE OF SECURITY



# FUTURE OF THE INTERNET

The background features a stylized Earth with a glowing horizon and a bright sun-like light source on the right side, set against a dark space background.

2013

# FUTURE OF HUMANS





UNIT 01  
UNIT 02  
UNIT 03

1-13913.13  
2-34478.58  
3-50874.10

4-82407.04  
5-80453.16  
6-41102.65

A-21144.21  
B-40761.08  
C-34871.89

D-29803.70  
E-35671.70  
F-02898.81

# FUTURE OF COMPUTERS

COORDINATES  
08 / 95 / 06 11 / 31 / 48  
I-13913.13 A-21144.21  
2-34478.58 B-40761.08  
3-50874.10 C-34871.89  
4-82407.04 D-29803.70  
5-80453.16 E-35671.70  
6-41102.65 F-02898.81



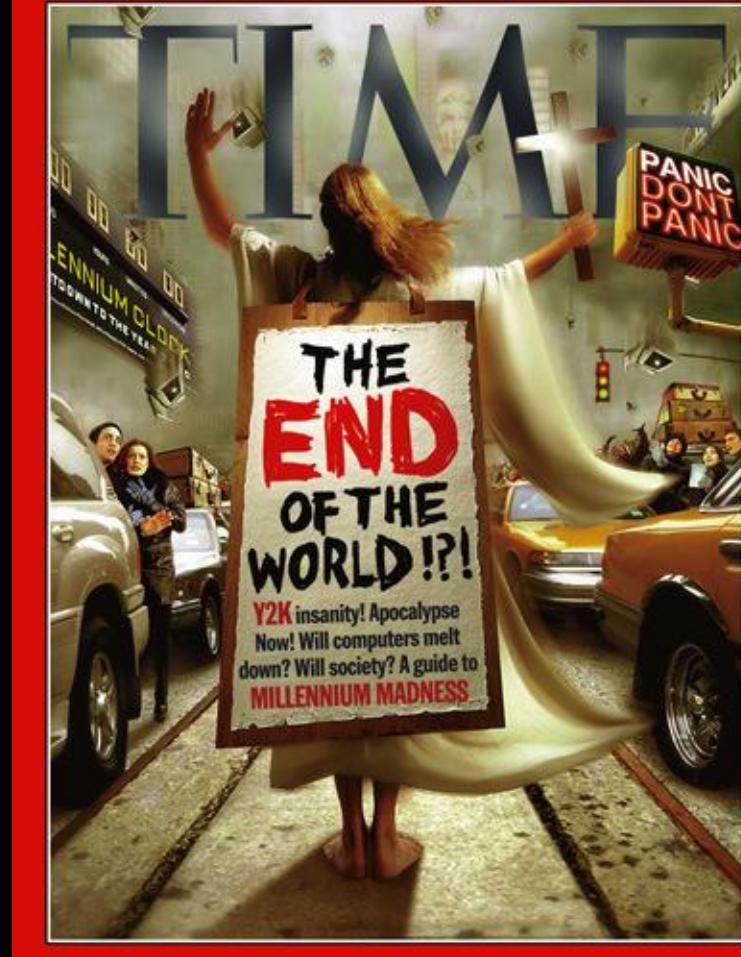
© 2013 Epochalypse LLC

Binary : 01111111 11111111 11111111 11111111

Decimal : 2147483647

Date : 2038-01-19 03:14:07 (UTC)

Date : 2038-01-19 03:14:07 (UTC)



DEFENDING YOUR HOME—Weapons & Security!

# HOW TO SURVIVE THE Y2K CRISIS DOOMSDAY 2000!

The Threat Is Real!  
How Bad? How Long?  
How You Can Be Ready!

POWER GRID BREAKDOWN!  
Prepare Now For A  
72-Hour Blackout!

WHEN FOOD & WATER BECOME PRECIOUS!  
Buying and Storing  
Survival Essentials!

TROUBLESHOOT YOUR COMPUTER  
Easy, Do-It-Yourself  
For PCs, MACs!

Healthcare:  
RX FOR DISASTER!  
Steps to Take Now!

SPECIAL REPORT

Jan 2000

WHY THE Y2K 'FIXES' ARE FIZZLING!

# Y2K SURVIVAL HANDBOOK

CRISIS COUNTDOWN!  
Final-Alert Action Plans  
TO PROTECT YOUR FAMILY!  
Military Lessons  
of Survival!  
7 CRITICAL STEPS TO HANDLING ANYTHING!

BATTLING THE BLACKOUT!  
Setting Up Your Own  
Emergency Power Station!

Staying Safe at Home!

SECURITY & WEAPONS FOR DEFENSE!

WIDE, WIDE WORLD OF TROUBLE! How Overseas Problems Could Hurt Us!  
TAPPED OUT! Backing Up Your Water Supply!

ISSUE NO. 15

15

15

# Y2K Data Backup Kit



IMATION

2HD Diskettes

IBM Formatted

1.44 MB

Capacity: Formatted-1.44 MB  
High Density

Rainbow Diskettes



25 30 □

Screen  
Systrq

Scroll  
Lock

Pause  
Break

# Y2K - false alarm of millennium cost millions

By **Carl Nolte** Published 4:00 am, Sunday, December 27, 2009



## NHS faces huge damages bill after millennium bug error

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The health service is facing big compensation claims after admitting yesterday that failure to spot a millennium bug computer error led to incorrect Down's syndrome test results being sent to 154 pregnant women.

The mistake - one of the most serious effects of the bug which many dismissed at the time as an overheated scare - was described in an NHS report as "a simple error which should not have happened".

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# FUTURE OF INTELLIGENCE





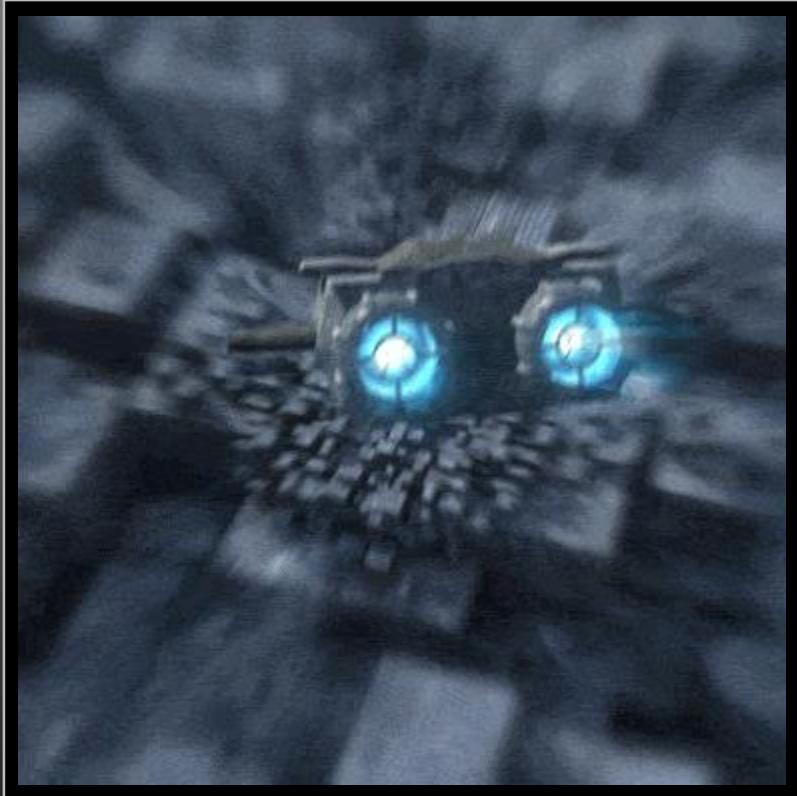
Pinocchio © Disney

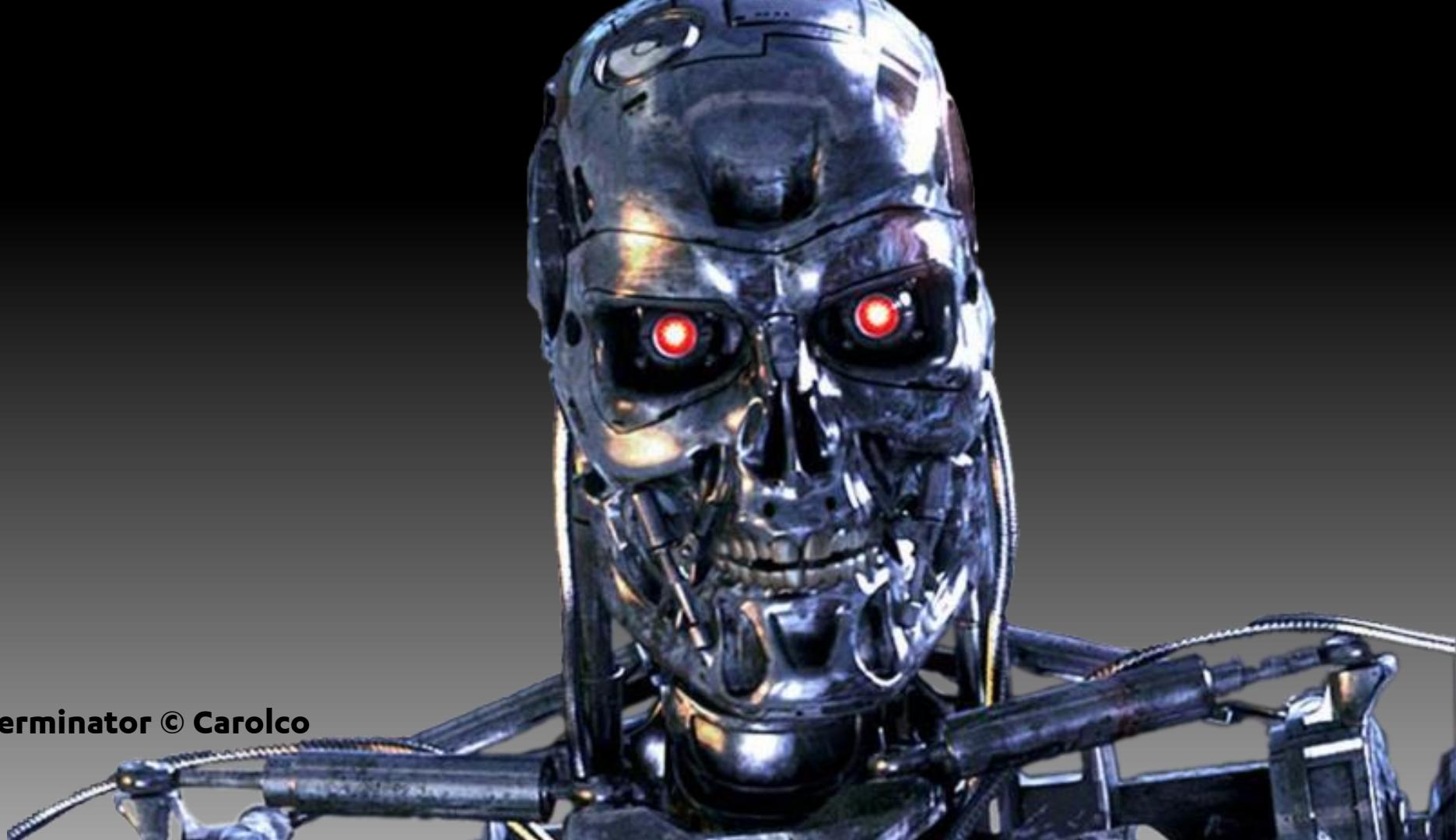
# FUTURE OF TECHNOLOGY

The background features a glowing orange-red digital globe with a complex network of binary code (0s and 1s) overlaid. To the right, a circular heads-up display (HUD) shows a target with a red beam and several small red arrows pointing towards it. In the bottom right corner, there is a small rectangular window displaying a list of coordinates and identifiers.

UNIT 02	UNIT 02
23500000.00	23500000.00
23500000.00	23500000.00
23500000.00	23500000.00
23500000.00	23500000.00
23500000.00	23500000.00

INFO	B4 / b4
I-55408.88	A-92781.15
Z-51186.12	B-29978.15
3-56507.45	C-54970.22
4-28116.17	D-21976.15
2-33408.00	E-74807.95
S-77481.41	F-72305.11





Terminator © Carolco

THE  
**FATE OF THE  
FURIOUS**



© Universal

04/20/2016 00:51:07



# FUTURE OF US





F-Secure

# NEXT 20 YEARS 2038 THE EPOCHOLYPSE



Mikko Hypponen  
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