



F-Secure.

CYBER SECURITY

Mikko Hypponen
CRO, F-Secure
@mikko



Payment will be raised on

5/15/2017 16:32:52

Time Left

02: 23: 59: 49

Your files will be lost on

5/19/2017 16:32:52

Time Left

06: 23: 59: 49

[About bitcoin](#)

[How to buy bitcoins?](#)

[Contact Us](#)

What Happened to My Computer?

Your important files are encrypted.

Many of your documents, photos, videos, databases and other files are no longer accessible because they have been encrypted. Maybe you are busy looking for a way to recover your files, but do not waste your time. Nobody can recover your files without our decryption service.

Can I Recover My Files?

Sure. We guarantee that you can recover all your files safely and easily. But you have not so enough time.

You can decrypt some of your files for free. Try now by clicking <Decrypt>.

But if you want to decrypt all your files, you need to pay.

You only have 3 days to submit the payment. After that the price will be doubled.

Also, if you don't pay in 7 days, you won't be able to recover your files forever.

We will have free events for users who are so poor that they couldn't pay in 6 months.

How Do I Pay?

Payment is accepted in Bitcoin only. For more information, click <About bitcoin>.

Please check the current price of Bitcoin and buy some bitcoins. For more information, click <How to buy bitcoins>.

And send the correct amount to the address specified in this window.

After your payment, click <Check Payment>. Best time to check: 9:00am - 11:00am

CMT from Monday to Friday

Send \$300 worth of bitcoin to this address:



12t9YDPgwueZ9NyMgw519p7AA8isjr6SMw

Copy

Check Payment

Decrypt

11:12 AM Eastern 





Ollie Cowan ✓

@Ollie_Cowan

Follow

Police are at Southport Hospital & ambulances are 'backed up' at A&E as staff cope with the ongoing hack crisis **#NHS**





容内卷组另野

中国石油 加油卡自助服务终端 Fuel Card Self-service Terminal



Oops, your files have been encrypted!

What Happened to My Computer?
Your important files are encrypted. Many of your documents, photos, videos, databases and other files are no longer accessible because they have been encrypted. Maybe you are busy looking for a way to recover your files, but do not waste your time. Nobody can recover your files without our decrypt-in-service.

Can I Recover My Files?
Sure. We guarantee that you can recover all your files safely and easily. But you have not so enough time. You can decrypt some of your files for free. Try now by clicking <Decrypt>. But if you want to decrypt all your files, you need to pay. You only have 3 days to submit the payment. After that the price will be doubled. Also, if you don't pay in 7 days, you won't be able to recover your files forever. We will have free events for users who are so poor that they couldn't pay in 6 months.

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Payment will be raised on 5/15/2017 16:36:23
Time Left 02:20:12:37

Your files will be lost on 5/19/2017 16:36:23
Time Left 06:20:12:37

Send \$300 worth of bitcoin to this address:
115p7UMMngoJ1pMvkpHjicRdfJNXj6LrLn

Check Payment Decrypt

WHAT'S ON
GET EXCITED ABOUT OUR SPECIAL DEALS & EVENTS

DINING
SAVOUR OUR DELICIOUS DINING OPTIONS

eQUEUE
RESERVE YOUR FAV EATERIES VIA CHOPE

FIND A STORE
SHOP TO YOUR HEART'S CONTENT

INFORMATION
WONDERING WHERE'S OUR MALL FACILITIES?

CONTACT US
6776-8885 298 Tiong Bahru Road, Singapore 168730

FIND TIONG BAHRU PLAZA ON
to Tiong Bahru Plaza!

GET DEALS & PROMOS
Download on the App Store
GET IT ON Google play

Mall Operation Hours: 10am to 10pm

Zeit

Über

Nach

in Kürze

Flughafen /Airport - MZ-Kastel

Wiesbaden Hbf

89

20:43

RE2

Frankfurt Hbf

12 min

Flug



Oops, your files have been encrypted!

Was geschah mit meinem Computer?

Ihre wichtigen Dateien sind verschlüsselt. Diese Ihre Dokumente, Fotos, Videos, Datenbanken und andere Dateien sind nicht mehr zugänglich, weil sie verschlüsselt wurden. Vielleicht sind Sie damit beschäftigt, einen Weg zu finden, um Ihre Dateien wiederherzustellen, aber verwenden Sie nicht Ihre Zeit. Niemand kann Ihre Dateien ohne unseren Entschlüsselungsdienst wiederherstellen.

Kann ich meine Dateien wiederherstellen?

Sicher. Wir garantieren, dass Sie alle Ihre Dateien sicher und einfach wiederherstellen können. Aber Sie brauchen noch genug Zeit. Sie können einige Ihrer Dateien kostenlos entschlüsseln. Versuchen Sie jetzt, indem Sie auf "Decrypt" klicken. Aber wenn Sie alle diese Dateien entschlüsseln wollen, müssen Sie bezahlen. Sie haben nur 3 Tage um die Zahlung anzuerkennen. Danach wird der Preis verdoppelt. Auch wenn Sie nicht in 7 Tagen bezahlt hat, können Sie diese Dateien nicht für immer wiederherstellen. Wir haben freie Versicherungen für Benutzer, die so sicher sind, dass sie nicht in 6 Monaten bezahlen können.

Wie bezahle ich?

Die Zahlung wird nur in Bitcoin akzeptiert. Für weitere Informationen klicken Sie auf "Learn More".

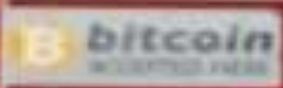
Payment will be released on
 3/15/2017 20:37:39

Time Left
 02:23:57:06

Your files will be lost on
 3/15/2017 20:37:39

Time Left
 06:23:57:06

- Backdoor
- RemoteAccess
- ContactUs



Send \$300 worth of bitcoin to this address:

128YDPgawu29H4Mgw81Sp7AA8iqrE5Mw

Check Payment

Decrypt

15 min

F-Hbf

89

17 min

Stadt

87

21 min

87

27 min

Flug

89

29 min

F-Hbf

88

21:15

Flughafen /Airport - Mainz Hbf

Koblenz Hbf

RE2

21:19

Riedstadt Goddelau - Gernsheim

Mannheim Hbf











766d7d591b9ec1204518723a1e5940fd6ac777f606ed64e731fd91b0b4c3

```

.10004BA0: 51          push     ecx
.10004BA1: 53          push     ebx
.10004BA2: 55          push     ebp
.10004BA3: 8B6C2410   mov     ebp,[esp]
.10004BA7: 56          push     esi
.10004BA8: 57          push     edi
.10004BA9: 6A20       push     020 ; ' '
.10004BAB: 8B4500     mov     eax,[ebp]
.10004BAE: 8D7504     lea    esi,[ebp]
.10004BB1: 2401       and     al,1
.10004BB3: 0C01       or      al,1
.10004BB5: 46          inc     esi
.10004BB6: 894500     mov     [ebp][0],
.10004BB9: C646FF03   mov     b,[esi]-
.10004BBD: C60601     mov     b,[esi],1
.10004BC0: 46          inc     esi
.10004BC1: 56          push    esi
.10004BC2: E8E9CAFFFF call    .0100016B0
.10004BC7: 83C408     add     esp,8
.10004BCA: 6A04       push    4
.10004BCC: 6A00       push    0
.10004BCE: FF1554E00010 call    time
.10004BD4: 83C404     add     esp,4
.10004BD7: 99          cdq
.10004BD8: 52          push    edx
.10004BD9: 50          push    eax
.10004BDA: E8E1000000 call    .010004CC0
.10004BDF: 8906       mov     [esi],eax
.10004BE1: 83C620     add     esi,020 ; ' '
.10004BE4: 83C40C     add     esp,00C
.10004BE7: C60600     mov     b,[esi],0
.10004BEA: 46          inc     esi
.10004BEB: FF155CE00010 call    rand
.10004BF1: 99          cdq
.10004BF2: B905000000 mov     ecx,5
.10004BF7: 33FF       xor     edi,edi
.10004BF9: F7F9       idiv   ecx
.10004BFB: 8D4602     lea    eax,[esi]
.10004BFE: 83C202     add     edx,2

```

3e6de9e2baacf930949647c399818e7a2caea2626df6a468407854aaa515eed9

```

.00402560: 51          push     ecx
.00402561: 53          push     ebx
.00402562: 55          push     ebp
.00402563: 8B6C2410   mov     ebp,[esp][010]
.00402567: 56          push     esi
.00402568: 57          push     edi
.00402569: 6A20       push     020 ; ' '
.0040256B: 8B4500     mov     eax,[ebp][0]
.0040256E: 8D7504     lea    esi,[ebp][4]
.00402571: 2401       and     al,1
.00402573: 0C01       or      al,1
.00402575: 46          inc     esi
.00402576: 894500     mov     [ebp][0],eax
.00402579: C646FF03   mov     b,[esi][-1],3
.0040257D: C60601     mov     b,[esi],1
.00402580: 46          inc     esi
.00402581: 56          push    esi
.00402582: E8A95B0000 call    .000408130 --↓1
.00402587: 6A00       push    0
.00402589: FF1560F44000 call    time
.0040258F: 83C40C     add     esp,00C
.00402592: 50          push    eax
.00402593: FF1524F54000 call    WS2_32.8
.00402599: 8906       mov     [esi],eax
.0040259B: 83C620     add     esi,020 ; ' '
.0040259E: C60600     mov     b,[esi],0
.004025A1: 46          inc     esi
.004025A2: FF1564F44000 call    rand
.004025A8: 99          cdq
.004025A9: B905000000 mov     ecx,5
.004025AE: 33FF       xor     edi,edi
.004025B0: F7F9       idiv   ecx
.004025B2: 8D4602     lea    eax,[esi][2]
.004025B5: 83C202     add     edx,2
.004025B8: 8D1C52     lea    ebx,[edx][edx]*2
.004025BB: D1E3       shl    ebx,1
.004025BD: 85DB       test   ebx,ebx
.004025BF: 7E72       jle    .000402633 --↓2
.004025C1: 89442410   mov     [esp][018],eax

```

Heist 1

Bangladesh → Philippines
\$81 Million dollars

Heist 2

Unknown bank
Unknown amount

Heist 3

Ecuador → Hong Kong
\$12 Million

Heist 4

Vietnam → Kenya
Failed



FROM THE WESTERN CAPITALIST PIGS WHO BROUGHT YOU
NEIGHBORS AND THIS IS THE END

JAMES FRANCO SETH ROGEN

이 무식한 미국놈들을 먼저 때십시오!

THE
INTERVIEW
IN THEATERS THIS FALL



ASIA PACIFIC

91 COMMENTS

N.S.A. Breached North Korean Networks Before Sony Attack, Officials Say

By DAVID E. SANGER and MARTIN FACKLER JAN. 18, 2015

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More

WASHINGTON — The trail that led American officials to blame [North Korea](#) for the destructive cyberattack on Sony Pictures Entertainment in November winds back to 2010, when the [National Security Agency](#) scrambled to break into the computer systems of a country considered one of the most impenetrable targets on earth.

Spurred by growing concern about North Korea's maturing capabilities, the American spy agency drilled into the Chinese networks that connect North Korea to the outside world, picked through connections in Malaysia favored by North Korean hackers and penetrated directly into the North with the help of South Korea and other American allies, according to former United States and foreign officials, computer experts later briefed on the operations and [a newly disclosed N.S.A. document](#).

A classified security agency program expanded into an ambitious effort, officials said, to place malware that could track the internal workings of many of the computers and networks used by the North's hackers, a force that South Korea's military recently said numbers roughly 6,000 people. Most are commanded by the country's main intelligence service, called the

RELATED COVERAGE



Prominent North Korean Defector Recants Parts of His Story of Captivity JAN. 18, 2015

1000

1000

FEDERAL RESERVE NOTE

KB 46279860 I
B2



THIS NOTE IS LEGAL TENDER
FOR ALL DEBTS, PUBLIC AND PRIVATE

Anne Escobedo Cabral

Treasurer of the United States.

G 2

SERIES
2006
A



ONE HUNDRED DOLLARS
OF AMERICA



KB 46279860 I

Henry M. Paulson Jr.
Secretary of the Treasury.

G 205

1000

1000

ONE HUNDRED DOLLARS

FRANKLIN

KB 46279860 1

B2



THIS NOTE IS LEGAL TENDER
FOR ALL DEBTS, PUBLIC AND PRIVATE

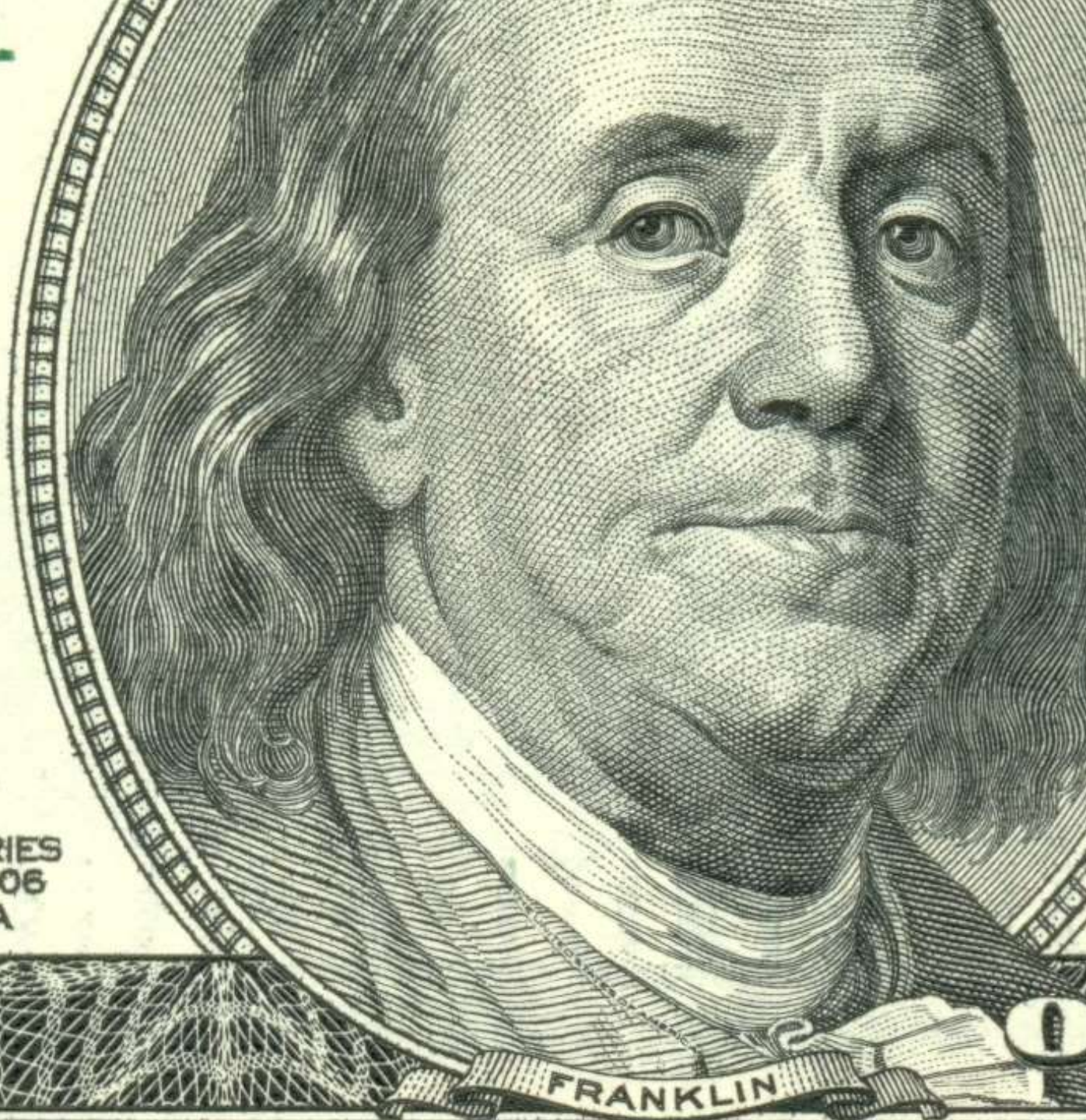
Anna Escobedo Cabral

G 2

Treasurer of the United States.

SERIES
2006
A

100



FRANKLIN

...your important files are encrypted.

If you see this text, then your files are no longer accessible, because they have been encrypted. Perhaps you are busy looking for a way to recover your files, but don't waste your time. Nobody can recover your files without our decryption service.

We guarantee that you can recover all your files safely and easily. All you need to do is submit the payment and purchase the decryption key.

Please follow the instructions:

1. Send \$300 worth of Bitcoin to following address:

1Mz7153HMuxXTuR2R1t78mGSdz0tNbBWX

2. Send your Bitcoin wallet ID and personal installation key to e-mail wowsnith123456@posteo.net. Your personal installation key:

sVC7Ff-MmKBo5-Df1kXY-QHqef5-LCsHHn-G1F8bf-t9dgTM-eXsTVN-LTFHYL-XFXo1G

If you already purchased your key, please enter it here:
Key:

PEHOME



Технічна підтримка +380 44 206 72 10
Відділ продажів +380 44 206 72 15

[ПРО НАС](#)[ПАРТНЕРСЬКА МЕРЕЖА](#)[НОВИНИ](#)[КОНТАКТИ](#)

Дистрибутив
10.01.194



Оновлення
10.01.196



Завантажити
інструкцію



Гарячі
питання



Отримати код
доступу



Вийшло оновлення 10.01.196

[Детальніше](#)



6

BIROUL DE AJUT

MARKET
OCT

Problema cu sistemul de cash

1. S-a produs o eroare la procesarea unui produs. Verificați dacă produsul este înregistrat în sistem și dacă este în stoc.

2. Dacă produsul nu este înregistrat în sistem, verificați dacă este în stoc și dacă este înregistrat în sistem.

3. Dacă produsul este înregistrat în sistem și este în stoc, verificați dacă este înregistrat în sistem.

4. Dacă produsul este înregistrat în sistem și este în stoc, verificați dacă este înregistrat în sistem.



**Dear Valued Customers:
Chicken Wings
& Cheesy Crust
Are Currently Out of Stock
Due to a Recent Cyberattack
Which Has Affected Imports
We Apologize
For The Inconvenience**







Almost all ports are operational and running close to normal.

We are pleased to share that since yesterday, we have been able to reestablish business in:

- Algeciras
- Tangier
- Callao Lima
- Mumbai
- Itajai
- Buenos Aires

We are still working on expanding our services in the following ports:

- **Pier 400 Los Angeles.** We are pleased to be able to deliver imports again from the terminal. We are also able to re-



GDPR



Petya in Blockchain



Petya in Blockchain



Petya in Blockchain

Visualization by Keith Collins

Прикарпаттяобленерго





GOVERNMENTS



IoT + ICS





AS1 / VP01

AS1-GT31
15,3 °C

FJV-MQ41

6760,430 MWh
134690,3 m³
186 kW
8,3 m³/h

FJÄRRVÄRME
FJV-GT41

78,6 °C

MQ41

FJV-GT42

59,1 °C

SV24

0 %

SV22

58 %

SV23

0 %

SV21

58 %

VUX2

VUX1

43,0 °C
GT42

43,1 °C
GT41

64,6 °C
GT45

24,9 °C
OLP1-
GT41

28,1 °C
OLP2-
GT41

27,7 °C
OLP?-
GT41

26,6 °C
GT47

28,7 °C
GT48

28,2 °C
GT49

Panna A
OLP1

Panna B
OLP2

Panna C
OLP?

0 %
SV51

100 %
SV52

100 %
SV53

P2

56,3 °C
GT46

57,0 °C
GT44

SV25
100 %

SV26
0 %

64,5 °C
GT11

64,3 °C

P1

62 %

FO

GP11
180 kPa
180 kPa

OLJETANKAR
OL01

6,8 M3
OL01-GP41

Driftfall: Fjärrvärme

A-larm



B-larm



C-larm



INDOOR ENERGY CONTROL

Furnace energy counter
33447762 kWh

Melting energy counter
25481188 kWh

Stirring energy counter
7191582 kWh

Furnace connected to
DICU 1

Twin Power - Circuit

Furnace energy counter
38328848 kWh

Melting energy counter
29611676 kWh

Stirring energy counter
8163216 kWh

Furnace connected to
DICU 3

Power:
0 kW

Weight:
110 kg

Temperature:
0 °C

1

State: Active

Operation mode: Melting

Material: ST

Current: 0 A

Frequency: 0 Hz

Duration/Remain.: 1285:07:22

Energy set/act: 0kWh / 36448kWh

sp Energy set/act: 0kWh/t / 41494kWh/t

Weight set/act: 27100kg / 110kg

Temp. set/act: 1360 °C / 0 °C

2

State: Active

Operation mode: Keeping warm

Material: ST

Current: 1921 A

Frequency: 56 Hz

Duration/Remain.: 1285:12:11

Energy set/act: 0kWh / 56602kWh

sp Energy set/act: 0kWh/t / 63684kWh/t

Weight set/act: 24775kg / 24006 kg

Temp. set/act: 1360 °C / 1215 °C

Power:
498 kW

Weight:
24006 kg

Temperature:
1215 °C

2015-08-28 10:18:57 Information: PlcSrv - Plc confirmed operation mode manual

2015-08-21 20:03:39 M168.0 065 Furn. 1 cooling-water quant.A 1

2 Manual
30.08.2015 04:45:47



Übersicht	WZ Raum- temperatur	EG Raum- temperatur	Aussen- temperatur	Datum	Uhrzeit	System
	17.92°C	18.40°C	3.84°C	Fri 16.10.15	09:28:07	Mail

Anlagen Bedienung

Direkte-Alarme Ein

Wasseralarm aktivieren	Gasalarm aktivieren	Rauchalarm aktivieren	Heizungalarm aktivieren
[]	[]	[]	[]

Direkte Meldungen (keine Alarme):

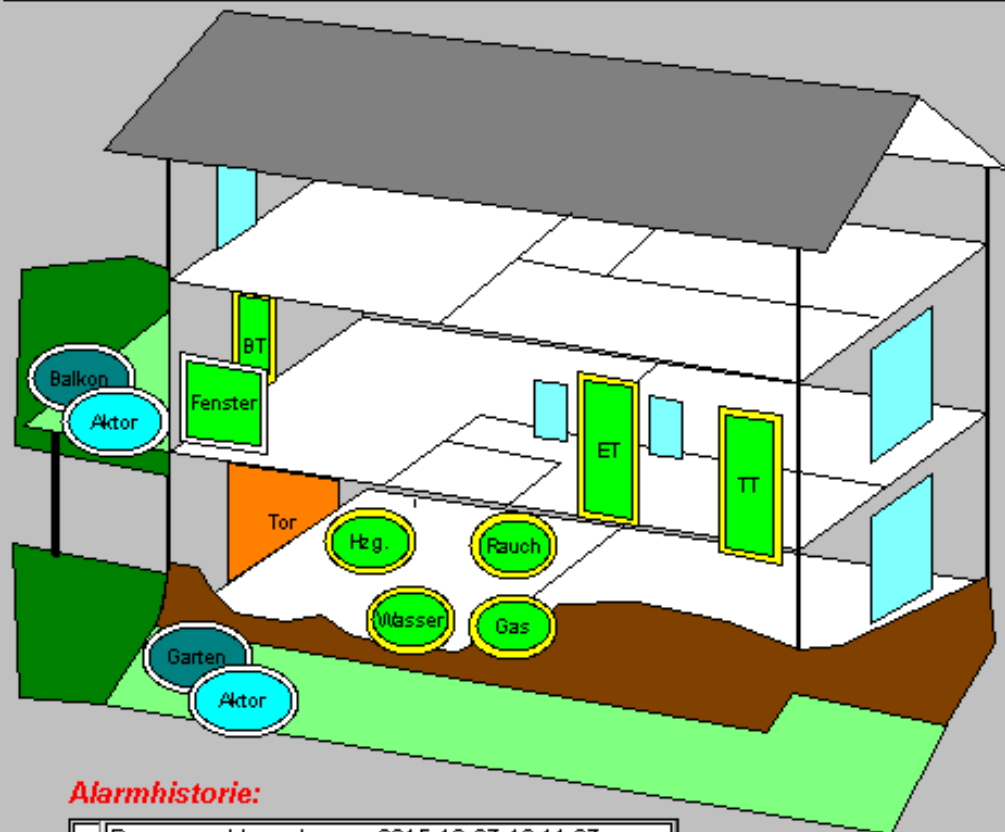
Garten aktivieren	Aktor aktivieren	Aktor Ein/Aus
Historie	Autom. Aktiv	Handbetrieb
Balkon aktivieren	Aktor aktivieren	Aktor Ein/Aus
Historie	Autom. Aktiv	Handbetrieb

Zutritts-Alarme Ein

Eingangstür aktivieren	Balkontür aktivieren	Terrassentür aktivieren	WZ-Fenster aktivieren
[]	[]	[]	[]

Alarmanlagen Aus

Alarm Status



Alarmhistorie:

[]	Bewegung Vorgarten am 2015-10-07-18:11:37
[]	Bewegung Vorgarten am 2015-10-07-18:12:34
[]	Checkmail vom 2015-10-08-17:00:00
[]	Checkmail vom 2015-10-09-17:00:00
[]	Checkmail vom 2015-10-10-17:00:00
[]	Checkmail vom 2015-10-11-17:00:00
[]	Checkmail vom 2015-10-12-17:00:00
[]	Checkmail vom 2015-10-13-17:00:00

System Status

Controller Status	
Wago Klemmbusfehler	
EnOcean Systemfehler	
Mail Sendefehler	
Sendefehler Raumtemp. EG	
Sendefehler Raumtemp. WZ	
Sendefehler Aussentemp.	
Direkte-Alarm-Anlage ein	
Zutritts-Alarm-Anlage ein	
Zutritts-Alarm-Anlage scharf	
Alarm steht an	

Connection to 5.206.225.96 23

ucceeded!

Username	Password
admin	admin
root	default
support	support
admin	password
root	root
root	12345
root	password
service	service
guest	guest
root	user
tech	tech
mother	fucker

```

. . .
@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
X888 888X '888> 888E
" *88%" " *88" '888! 888&
~ " " " " " R888"

```

```

@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
X888 888X '888> 888E
" *88%" " *88" '888! 888&
~ " " " " " R888"

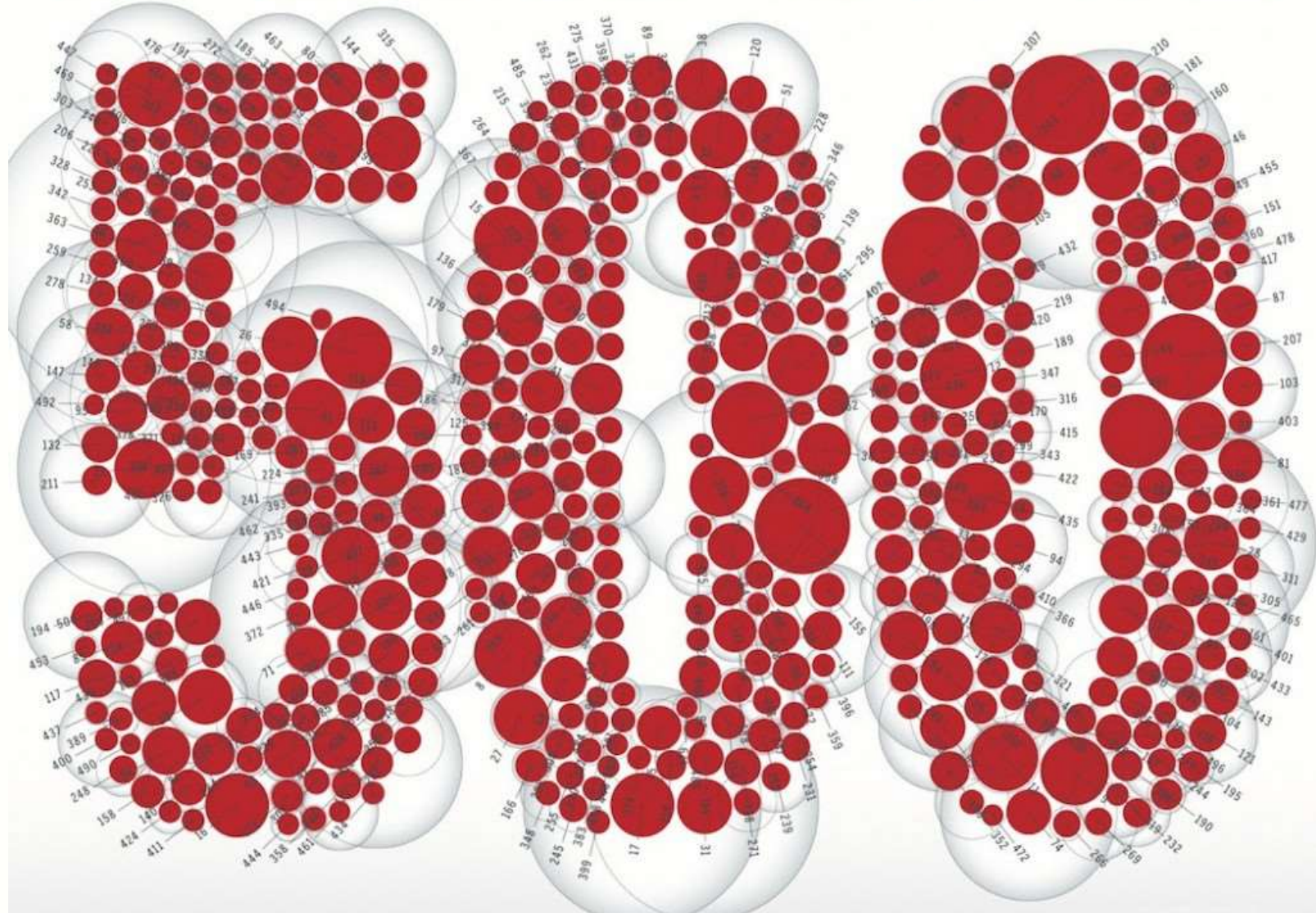
```

**ALL COMPANIES
ARE SOFTWARE
COMPANIES**



F-Secure.

FORTUNE



A dark, abandoned building with a spiral staircase. The scene is dimly lit, with a spotlight effect on the stairs. The walls are covered in graffiti, including a large figure and a globe. The overall atmosphere is eerie and mysterious.

BUG BOUNTIES

A stone wall with vertical black bars in the foreground, under a blue sky.

**SECURITY IS
A PROCESS**

A high-angle, close-up view of a massive residential complex consisting of numerous tall, parallel apartment towers. The buildings are densely packed, creating a grid-like pattern of windows and balconies. The color palette is dominated by the tan and brown tones of the building facades and the blue-green hues of the window panes. The perspective is looking down the length of the towers, emphasizing their height and the scale of the development.

BOARD LEVEL



F-Secure.

CYBER SECURITY

Mikko Hypponen
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