



**Cybersecurity -
Is resilience an utopia in a
digital economy?**

Ukraine, 23 of December 2015

UK, May 2017

Wana Decrypt0r 2.0

Ooops, your files have been encrypted!

English

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 GMT from Monday to Friday.

Payment will be raised on
5/15/2017 15:58:08
Time Left
02:23:58:59

Your files will be lost on
5/19/2017 15:58:08
Time Left
06:23:58:59

[About bitcoin](#)
[How to buy bitcoins?](#)
[Contact Us](#)

Send \$300 worth of bitcoin to this address:
115p7UMMngoJ1pMvKpHijcRdfJNXj6LrLn [Copy](#)

Check Payment **Decrypt**

<https://www.zdnet.com/article/wannaacry-ransomware-attack-at-ig-electronics-takes-systems-offline/>

US, end of June 2017



Germany, 1 of March 2018



Mexico, June 2018

BANCO DE MEXICO



URT MERLO

ANDY GREENBERG SECURITY 06.20.17 06:00 AM

HOW AN ENTIRE NATION BECAME RUSSIA'S TEST LAB FOR CYBERWAR

So, are we at cyber war?

Who attacks?



Governments



Hackers



Criminal Groups



Individuals

And how?

Phishing

Spearphishing

‘watering holes’

Distributed denial-of-service (DDoS)

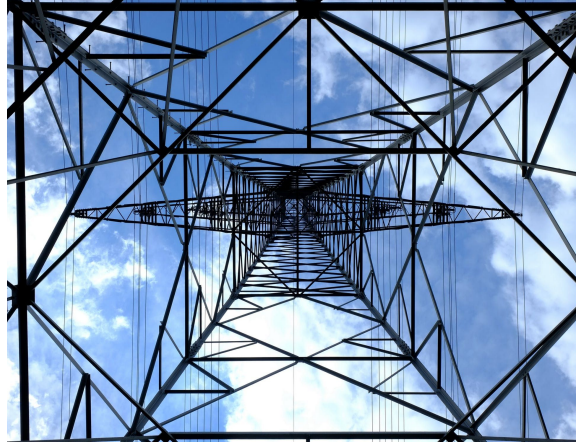
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Why?

1. Increasing connectivity
2. Bugs in Software
3. Human error
4. Lack of information sharing

**The special case of
critical infrastructure**

Physical Harms



Informational Harms

Cyber Physical Harms

The good news

The bad news

Error in the software: Hackers shows how solar power equipment flows could be exploited to undermine green grids



Hacking the power grid through Home Air Conditioners



The way forward

What it needs - defensive measures

1. Continuous assessments
2. Cybersecurity by engineering
3. Collaboration I - government and private entities
4. Collaboration II - with unusual suspects
5. Investment in new technology
6. Capacity Building and Education
7. Focus on resilience

A photograph of a sunset with several high-voltage power lines and towers silhouetted against a sky transitioning from orange near the horizon to a deep blue at the top. The sun is a bright white circle on the left side of the frame.

Gracias

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