

Aim of the long-term CENAA program on cyber security (Global Netizenship in Cyberworld - GNC) is in-depth analysis of multi-spectral and cross-cutting issues of national and international security. In last years, cyber attacks have become powerful and fully-fledged tool in conventional war and industrial espionage. Through establishing network of national and international partnerships, CENAA strives to ensure that cyber security will get into focal point of political, corporate and expert elites. Goal of this Newsletter and GNC project is also de-tabuise issue of cyber security to all.

December 2, 2013

## GOOGLE CHROME:

Google, in first week of December, released version 31.0.1650.63 of Chrome to fix at least 6 highly critical vulnerabilities. Updates are available through the browser. Important Security Update for D-Link Routers: D-Link has released an important security update for some of its older Internet routers. The patch closes a backdoor in the devices that could let attackers seize remote control over vulnerable routers. KrebsOnSecurity, December 2, 2013

<http://krebsonsecurity.com/2013/12/important-security-update-for-d-link-routers/>



December 3, 2013

## HOW TO KEEP THE GRINCH FROM STEALING YOUR IDENTITY:

With Cyber Monday sales up 20.6% from 2012 according to the IBM Digital Analytics Benchmark, it's clear that more shoppers will be spending online than ever before. That means more will also become victims to identity theft. While there are no guarantees, there are some smart—and not too burdensome—steps you can take to protect yourself from the identity thieves both online and off. Forbes, December 3, 2013

<http://www.forbes.com/sites/samanthasharf/2013/12/03/how-to-keep-the-grinch-from-stealing-your-identity/>

December 4, 2013

## MICROSOFT LAUNCHES CYBERCRIME CENTER:

Microsoft expands global role supporting law enforcement, government, and businesses fighting cybercrime. InformationWeek, December 4, 2013

<http://www.informationweek.com/government/cybersecurity/microsoft-launches-cybercrime-center/d/d-id/1112893>

December 3, 2013

## THIEVES COVERING TRACKS FOLLOWING \$100M BITCOIN HEIST:

As if Bitcoin malware and Bitcoin mining malware weren't enough to worry about, there was more trouble for the users of the digital crypto-currency last week as 96,000 Bitcoins disappeared from the Sheep Marketplace. ThreatPost, December 3, 2013

<http://threatpost.com/thieves-covering-tracks-following-100m-bitcoin-heist/103088>



December 4, 2013

## MASSIVE HACK SHOWS USERS STILL DON'T KNOW HOW TO CREATE SAFE PASSWORDS:

Cyber security researchers recently discovered a server with about 2 million stolen Internet passwords, and as expected, many of the login credentials are no more complex than "1234." LA Times, December 4, 2013

<http://www.latimes.com/business/technology/la-fi-tn-massive-hack-passwords-20131204,0,4677231.story?track=rss>

## WATCHING YOU FOR YOUR SAFETY!



December 5, 2013

## HOW THE NSA IS TRACKING PEOPLE RIGHT NOW:

Documents obtained by The Washington Post indicate that the National Security Agency is collecting billions of records a day to track the location of mobile phone users around the world. This bulk collection, performed under the NSA's international surveillance authority, taps into the telephony links of major telecommunications providers including some here in the United States. The Washington Post, December 5, 2013

<http://apps.washingtonpost.com/g/page/national/how-the-nsa-is-tracking-people-right-now/634/>

December 5, 2013

## MICROSOFT TO ENCRYPT SERVICES, NOTIFY USERS OF GOV'T DATA REQUESTS:

Microsoft moved to reassure business and government customers worldwide that it is committed to informing them of legal orders related to their data, and will fight in court any 'gag order' that prevents it from sharing such information with customers. ComputerWorld, December 5, 2013

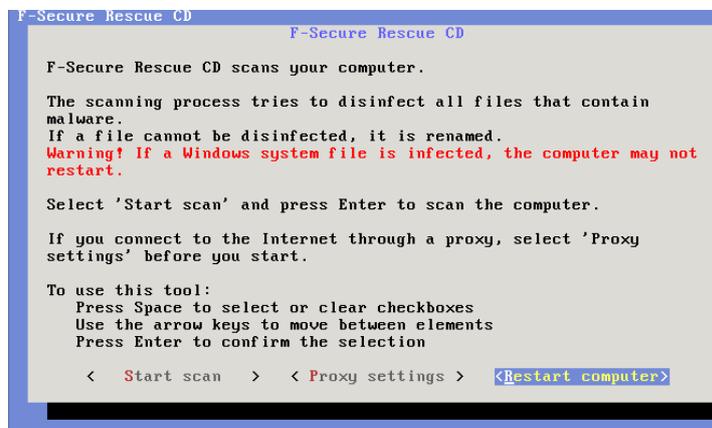
[http://www.computerworld.com/s/article/9244552/Microsoft\\_to\\_encrypt\\_services\\_notify\\_users\\_of\\_gov\\_t\\_data\\_requests](http://www.computerworld.com/s/article/9244552/Microsoft_to_encrypt_services_notify_users_of_gov_t_data_requests)

December 6, 2013

## HOW THE BITCOIN PROTOCOL ACTUALLY WORKS:

Many thousands of articles have been written purporting to explain Bitcoin, the online, peer-to-peer currency. Most of those articles give a hand-wavy account of the underlying cryptographic protocol, omitting many details. Even those articles which delve deeper often gloss over crucial points. My aim in this post is to explain the major ideas behind the Bitcoin protocol in a clear, easily comprehensible way. We'll start from first principles, build up to a broad theoretical understanding of how the protocol works, and then dig down into the nitty-gritty, examining the raw data in a Bitcoin transaction. DDI, December 6, 2013

<http://www.michaelnielsen.org/ddi/how-the-bitcoin-protocol-actually-works/>



December 9, 2013

## ZEROPPOINT IS THE MALWARE CURE THAT COULD BE WORSE THAN THE DISEASE:

The internet is, on balance, a very hostile place. More than 70 percent of all email traffic is spam, and a fair portion of that is malware and phishing attempts. One 2012 census counted 1.5 billion browser-based malware attacks. A recent Team Cymru map Open video in-line player of globally compromised computers showed nearly all of Italy lit up, with southeastern Europe glowing from the sheer quantity. None of this is particularly dangerous if you take modest measures to protect your computer. Antivirus solutions mostly protect individual nodes or networks, shifting the attacks around but doing little to combat the core of the issue.

Larger companies can keep blacklists and spread best practices. Every time a botnet gets shut down, a new one springs up to fill the gap, slightly smarter than the one before. The Verge, December 9, 2013

<http://www.theverge.com/2013/12/9/5191858/secdev-zero-point-could-destroy-malware-for-good-rohozinski>

December 9, 2013

## **GUILTY VERDICT IN FIRST EVER CYBERCRIME RICO TRIAL:**

A young Arizona identity thief is the first person in the U.S. to be found guilty of federal racketeering charges for facilitating his crimes over a website. Wired, December 9, 2013

<http://www.wired.com/threatlevel/2013/12/rico/>

The Verge, December 10, 2013

## **HACKERS BROKE INTO POKER PRO'S HOTEL ROOM TO INSTALL 'SHARKING' MALWARE:**

This September, on the Barcelona leg of the European Poker Tour, Jens Kyllönen had a strange run-in with the criminal underworld. He'd busted out of that day's tournament early, but when he returned to his hotel room, his laptop was missing. He went downstairs to find his roommate, but when they came back to the room together, the laptop had mysteriously reappeared. And to make things even more suspicious, Kyllönen's computerized room key was malfunctioning, triggered by some problem with the electronic door lock. The Verge, December 10, 2013

<http://www.theverge.com/2013/12/10/5196266/hackers-broke-into-poker-pros-hotel-room-to-install-sharking-malware>

standard in many of today's laptop computers and mobile devices, hackers can secretly transmit and receive data using high-frequency audio signals that are mostly inaudible to human ears, a new study shows. Scientific American, December 18, 2013

<http://www.scientificamerican.com/article.cfm?id=computers-can-be-hacked-using-high-frequency-sound>

December 24, 2013

## **NEW MALWARE ATTACKS TARGET SYRIAN ACTIVISTS:**

A new set of malware campaigns targeted at Syrian activists, journalists and NGOs has emerged, and security researchers say that the attackers are employing a variety of tactics, including a new OS X Trojan that could be part of a "false flag" operation. ThreatPost, December 24, 2013

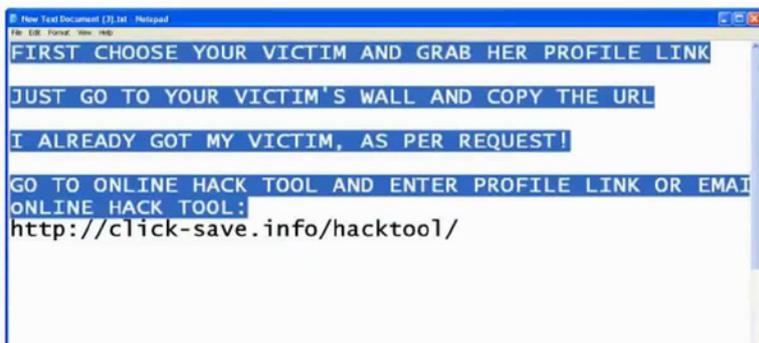
<http://threatpost.com/new-malware-attacks-target-syrian-activists/103284>

December 26, 2013

## **CHINA JAILS WORLD OF WARCRAFT CYBERCRIME GROUP:**

A real prison term for selling gold and guns in the online game World of Warcraft? Easy answer: ten men have been sentenced to up to two years behind bars in China for taking over 11,500 World of Warcraft accounts. RT, December 26, 2013

<http://rt.com/news/china-warcraft-cybercrime-ring-821/http://citadel-information.com/blog/>



December 18, 2013

## **COMPUTERS CAN BE HACKED USING HIGH-FREQUENCY SOUND:**

(ISNS)—Using the microphones and speakers that come



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