

**OVERVIEW** B [ ]

Firstly, we must start with an apology with skipping an issue last week. This was due to unforeseeable administration issues.

In this issue, we discuss the ransomware worm that has been felt around the world, outcome for an employee hacker, reverse engineering efforts for the Intel ME and updates on the FCC's net neutrality filings.

**NHS DOWN** B [ ]

A vulnerability hoarded, then leaked, as part of a larger collection of serious security flaws, by the NSA has left outdated Windows in 150 Countries at the mercy of ransomware. The attack was stopped "accidentally" by a British security researcher on "break", by the purchase of a check URL, an attempt by the worm to check whether it is running in a VM.

In it's wake, the NHS were left reverting to pen and paper methodology and turning away non-urgent patients. The ransomware encrypts the hard drive of the infected and requires payment of BitCoin to unlock it, approximately 300's worth.

Security experts warn that an updated version of the worm should be expected soon, without the URL check vulnerability, by either original or copycat hackers.

The "Shadow Brokers", the hacking group that released the tools responsible for the attacks, suggest there are many other zero-day vulnerabilities out there, including some that give access to bank infrastructure, particularly in the middle-east.

*Opinion:* If anti-terrorism initiatives cost more lives than they save, serious ethical concerns should be raised regarding their unchecked power.

More on this story here: <http://goo.gl/yTm2I9>, <http://goo.gl/zx6Zuc> and <http://goo.gl/X7Dxsv>.

**\$300K DAMAGES FOR HACKER** B [ ]

An employee and computer hacker, Mr Garcia, increases his recorded hours on a payroll system, as well as stealing data and sabotaging the company website in an attempt to gain clients for his rival business. District Judge Michael Fitzgerald fines \$318,661.70 Garcia for lost income and lost data. <http://goo.gl/efACsX>.

**REVERSE ENGINEERING INTEL ME** B [ ]

Efforts are being made by several reverse engineering experts to research the Intel ME, a small, hidden, powerful small piece of software on Intel processors. Already, flaws are being found in the reverse engineered source

code, allowing possible unsigned code to run with the use of another exploit. <http://goo.gl/8UFEm3>.

**FCC'S NET NEUTRALITY** B [ ]

FCC's filings sees anti-net neutrality comments rise from 39 thousand to 1.1 million in just 5 days, at rate of about 44k comments per hour. One comment repeated, represented 38.8% of the total responses.

Email addresses were supposedly use from a data breach, after the "HaveIBeenPwned" API was used to show a 75.6% match with those used to submit comments. The FCC is no longer accepting comments. More here: <http://goo.gl/sBbPvv>.

**ARTICLES OF INTEREST** B [ ]

This week's collection of interesting articles:

- <http://goo.gl/PBifl0>  
- WiFi Game Boy cartridge.
- <http://goo.gl/x5FkwP>  
- Car hacks shared online.
- <http://goo.gl/pcbef1>  
- Patents for MP3 due to expire.

Future suggestions welcome.

**NOTICE:** Any suggestions for future articles? Please email: [bar-ray \[at\] protonmail \[dot\] com](mailto:bar-ray[at]protonmail[dot]com).