


IoT

The logo features the text 'IoT' at the top and 'THIS WEEK' at the bottom. In the center is a stylized graphic of a red shield with a white keyhole, surrounded by a grey circular border and connected to various grey circuit-like lines and nodes.

THIS WEEK

May 21, 2017

Catching you up on the latest from IoT, InfoSec and Tech. Issue 29 includes: WannaCry, is it over?, kids hacking Bluetooth, open season on SMB with more ransomware and malware, deleted after 30 days except when it's not, net neutrality headed down the toilet and much more...

IoT

[Google](#) launched "Google Cloud IoT Core" to help with management of IoT data and devices. A potential scenario; a logistics firm could use the service to collect data from its vehicles and combine it with other information like weather, traffic and demand to ensure vehicles are in the right place at the right time.

[AT&T](#) is planning to deploy LTE-M across Mexico by the end of 2017 covering 400 million people. They want to charge \$1.50 per month per device.

[Avnet](#) unveils its "Smart Neighborhood". It's their attempt to bring together varying products and vendors and bundle them into one "smart" solution.

[DHS and DOJ](#) triple their spending on equipment and services related to IoT. \$600 million has been spent on the smart security industry over the past six years.

A "[How does it work?](#)" story on the Internet of Things and Blockchain technology. Interesting areas for Blockchain technology include supply-chain management, devices selling capacity to other devices, devices selling services to humans and devices sharing data with each other or third-parties.

[Attackers](#) are trying to fire WannaCry back up by attacking the kill switch domain with botnets in a bid to knock it offline. The Mirai botnet hit the domain with 20 Gb/s of traffic last Wednesday.

An 11 year old [controlled](#) his robotic bear using a Raspberry Pi, Python and someone else's Bluetooth device... in the audience.

[Blackberry, Land Rover and Aston Martin](#) are working together to help protect cars from attack.

[NIST](#) is examining the Internet of Things for its Cybersecurity Framework. They are exploring the application of the framework, sector specific requirements and uses for small business.

InfoSec

A [WannaCry](#) review on what is currently known and the still unanswered questions.

A WannaCry ransomware [decryption tool](#) was released. The tool pulls the prime numbers used for encryption from memory so it only works if you haven't rebooted your computer and the affected memory hasn't been erased.

A new [SMB](#) worm uses seven NSA hacking tools instead of just the two used by WannaCry. This one has been dubbed EternalRocks by Miroslav Stampar, the creator of the sqlmap tool.

[XData](#) ransomware is moving through the Ukraine locking hundreds of computers.

The [same tools](#) used for WannaCry are being used to distribute AdylKuzz cryptocurrency malware to hundreds of thousands of systems. The malware then uses the systems to mine the cryptocurrency Monero.

A [cosmetic company](#) called Tatcha is warning customers about payment card details being stolen on January 8th of this year. They think the attacker was

siphoning card details as they were being entered on the website.

A [DocuSign](#) breach leads to a targeted email malware campaign.

A [security researcher](#) discovered a Chrome vulnerability which could allow remote attackers to steal user login credentials using the latest version of Chrome running on any version of Windows.

[How](#) to opt out of Twitter's new privacy settings.

[Elcomsoft](#) was able to discover that deleted notes from the Notes application may not be actually deleted after 30 days. Apple has been notified as they were back when it was discovered that old photos weren't actually being deleted as stated.

[Shadow Brokers](#) is promising to release more zero-day vulnerabilities in June.

Tech

Google's [Project Treble](#) is supposed to fix the huge problem with Android updates reaching devices in a timely manner.

[Google](#) is launching a jobs search engine in the US within the coming weeks.

Google [assistant](#) is now on the iPhone. Apple better get the stuff together with Siri because it now has Google's and Amazon's assistant to compete with on iOS.

Google may [equip](#) its Google WiFi device with a camera soon.

[Net neutrality](#) may be going the way of the Dodo bird as the FCC voted 2-1 to start the process of eliminating ISPs as common carriers under Title II. A final vote happens later this year.

[Aquantia](#) is launching 5G/2.5G/1G ethernet cards. While this is cool, there still needs to be switches capable of this to really make it useful.

[Cellular](#) revenues take a dip for the first time in 17 years. Much of this has been brought on by T-Mobile with AT&T and Verizon having to actually compete.

[AT&T](#) caused a massive 911 outage across fourteen states but the FCC sees no reason for a fine even after stating the outage could have been prevented.

[Bitcoin](#) moves past \$2,000... goodness!

Miscellaneous

The [FAA's](#) drone registration program for recreational drone users and model aircraft pilots has been struck down in a DC Circuit Court of Appeals.

[40,000](#) AT&T employees went on strike over the weekend.

[Apple](#) is lobbying against your right to repair in New York state.



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