



TLP White

Fall Summit recall on this week's *Hacking Healthcare*:

Hot Links –

1. Last week was the **NH-ISAC Fall Summit** in Scottsdale, Arizona. What a great week in the desert sun. Here's a couple of highlights:

ZDOGGMD delivered a powerhouse keynote – full of humor and insight. His message refocused the group on the purpose of the healthcare industry – helping people. He talked about his vision for a compassion-driven approach that unites patients, doctors, and technology to deliver better results. You can check out more of his stuff here: <http://zdoggmd.com/>

Included in the other presentations was a full track dedicated to medical devices. This is the fourth summit with a medical device specific track, and it continues to grow in size and scope. This year saw presentations around regulatory policy in both China and the U.S., including an appearance from Suzanne Schwartz of the FDA.

The conference also saw the launch of the new *Cyber Outbreak* tabletop exercise series. On Monday afternoon, 45 participants and observers joined the three hour exercise. We plan on holding many more exercises at future Summits and throughout the year.

2. **Now is the time for DMARC** – Using DMARC, a protocol for improving email authentication, is a widely accepted, but chronically under-deployed best practice for securing email exchanges. It helps to cut down on spear-phishing, one of the most prevalent vectors for cyber-crime. DMARC is easy to implement and is supported by all the major email providers.

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Adoption of DMARC is particularly beneficial in the healthcare sector – 57 percent of all email claiming to be FROM healthcare organizations is actually fraudulent. Despite its benefit, 98 percent of healthcare organizations are not utilizing DMARC protocols.¹

NH-ISAC has joined a global challenge to increase the adoption of DMARC. The goal is to have members deploy DMARC in 90 days. This is inspired by DHS requiring all government agencies to begin implementing DMARC within 90 days.² Here's a guide³ on how you can take part.

3. **Criminal breach** – while we were in Arizona, the Senate Commerce Committee was busying itself with new legislation⁴ that would introduce criminal penalties for “intentionally and willfully concealing” data breaches. The maximum sentence for doing so would be five years in Federal prison.
4. **National Security Strategy**: There is a rumor floating around⁵ that the President has approved the central tenants of a new National Security Strategy that his team has been developing. The rumor says that the three pillars are (1) a significant focus on homeland security, (2) the framing of economic competitiveness as a national security priority, (3) the emergence of technological threats.
5. **China on the dock** – Against the backdrop of the new National Security Strategy, it will be interesting to see the approach the Administration takes with respect to Chinese theft of intellectual property. Last week, charges⁶ were brought against Chinese nationals who conducted commercial espionage against U.S. firms.⁷ If the criminal acts were conducted by or “knowingly supported” by the Chinese government, they would be in violation of the 2015 deal struck by President Obama and President Xi.

Congress –

Thursday, December 7:

¹ <http://www.businesswire.com/news/home/20171128005546/en/Fifty-Seven-Percent-Email-%E2%80%9CFrom%E2%80%9D-Healthcare-Industry-Fraudulent>

² [BOD 18-01] <https://cyber.dhs.gov/>

³ <https://www.globalcyberalliance.org/90-days-to-dmarc-a-global-cyber-alliance-challenge.html>

⁴ https://www.commerce.senate.gov/public/_cache/files/cbbd6ccf-752f-43a7-aae3-702f3feea3b4/4F4099F55C568BC3E15252D087F6AD43.2017-data-breach-legislation.pdf

⁵ <https://www.axios.com/scoop-trump-approves-national-security-strategy-2514637164.html>

⁶ <https://www.justice.gov/opa/pr/us-charges-three-chinese-hackers-who-work-internet-security-firm-hacking-three-corporations>

⁷ <https://arstechnica.com/tech-policy/2017/11/security-firm-was-front-for-advanced-chinese-hacking-operation-feds-say/>

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--Hearing: Oversight of IT and Cybersecurity at the Department of Veterans Affairs (House Oversight) <<https://oversight.house.gov/hearing/oversight-cybersecurity-department-veterans-affairs/>>

Friday, December 8:

--Hearing: Examining the Role of the Department of Energy in Energy Sector Cybersecurity (House Energy) <<https://energycommerce.house.gov/hearings/examining-role-department-energy-energy-sector-cybersecurity/>>

Conferences and Webinars –

--Business Email Compromise Workshop – New York, NY (12/5)

<<https://nhisac.org/events/nhisac-events/business-e-mail-compromise-workshop/>>

--Regional Healthcare Cybersecurity Summit – Hebron, KY (12/7)

<<https://nhisac.org/events/nhisac-events/regional-healthcare-cybersecurity-summit/>>

--Basic Best Practices in Cybersecurity – Savannah, GA (NH-ISAC) (12/13)

<<https://nhisac.org/events/nhisac-events/basic-best-practices-in-cybersecurity-georgia/>>

--Health IT Summit – Dallas, TX (12/14) <<https://vendome.swoogo.com/Dallas-HITSummit-2017>>

--Business Email Compromise Workshop – Dallas, TX (12/14) <<https://nhisac.org/events/nhisac-events/business-e-mail-compromise-workshop/>>

--2018 Spring Summit – Sawgrass, FL (NH-ISAC) (5/14-17) <<https://nhisac.org/summits/2018-spring-summit/>>

Sundries –

--Applying US-CERT IoT Security Best Practices to Healthcare

<<https://healthitsecurity.com/news/applying-us-cert-iot-security-best-practices-to-healthcare>>

--NATO mulls 'offensive defense' with cyber warfare rules

<<https://www.reuters.com/article/us-nato-cyber/nato-mulls-offensive-defense-with-cyber-warfare-rules-idUSKBN1DU1G4>>

--State Dept insists cyber a priority despite office closure

<<http://thehill.com/policy/cybersecurity/363142-europol-fbi-take-down-massive-andromeda-botnet>>

--Europe, US take down massive Andromeda botnet

<<http://thehill.com/policy/cybersecurity/363142-europol-fbi-take-down-massive-andromeda-botnet>>

--Siemens data breach helps spur FBI probe; feds in Pittsburgh charge 3 Chinese citizens

<<http://www.post-gazette.com/local/region/2017/11/27/FBI-malware-China-Siemens-spearphishing-cybersecurity-hacking-Pittsburgh/stories/201711270125>>

--Here's the NSA Agent Who Inexplicably Exposed Critical Secrets

<<https://www.wired.com/story/nsa-agent-exposed-critical-secrets/>>

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--MacOS Update Accidentally Undoes Apple's "Root" Bug Patch

<<https://www.wired.com/story/mac-os-update-undoes-apple-root-bug-patch/>>

--U.K. cyber agency tells government to handle Russian anti-virus software with caution

<<https://www.cyberscoop.com/u-k-s-ncsc-advises-government-private-sector-handle-russian-anti-virus-software-caution/>>

--Famed Russian hacker gets 14 years in prison for \$50 million cyberfraud ring <

<https://www.cyberscoop.com/roman-seleznev-sentence-cyberfraud-ring/>>

--12K Affected in ShopRite Supermarkets Data Security Incident

<<https://healthitsecurity.com/news/12k-affected-in-shoprite-supermarkets-data-security-incident>>

--\$2M Settlement Reached in Cottage Health Data Breach Case

<<https://healthitsecurity.com/news/2m-settlement-reached-in-cottage-health-data-breach-case>>

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