



TLP White

We may have a new HHS Secretary, there's fallout from meltdown, and more from Russia. All on this week's *Hacking Healthcare*:

**Hot Links –**

- 1. Azar for HHS:** Last week, Alex Azar testified<sup>1</sup> before Senate Finance as a nominee to be the next HHS Secretary. He listed four priorities in his testimony, none of which touched on the cybersecurity and resilience of the sector. A passing comment would have been nice, but we also got nothing on this subject during Tom Price's hearing.<sup>2</sup> Better learn quick as the threat is only getting worse: "Ransomware Attacks Against Healthcare Orgs Increased 89 Percent in 2017"<sup>3</sup>
- 2. HHS Meltdown:** We failed to reference a bulletin<sup>4</sup> from the HCCIC in last week's edition on the *Meltdown* and *Spectre* vulnerabilities. It is good to see the HCCIC generating product. However, recommendations given in this document may be misconstrued as regulatory guidance. It would be good to see future bulletins to clarify such guidance.
- 3. Russia Russia Russia:** Last week, the Senate Foreign Relations Committee published an important report on Russia's global campaign against democracy. The 200-page report looks at different techniques the Kremlin has used against established and emerging democracies around the world. The report acknowledges the cyber-threat that Russia poses to the critical infrastructure of the U.S. and its allies. One of the recommendations is to impose a multi-lateral regime of escalating sanctions against the perpetrators of cyber-attacks.<sup>5</sup>

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<sup>1</sup> <https://www.finance.senate.gov/imo/media/doc/09Jan2018AzarSTMNT.pdf>

<sup>2</sup> [http://www.thisweekinimmigration.com/uploads/6/9/2/2/69228175/hearingtranscript\\_senatefinancepriceconfirmationhearing\\_2017-01-24.pdf](http://www.thisweekinimmigration.com/uploads/6/9/2/2/69228175/hearingtranscript_senatefinancepriceconfirmationhearing_2017-01-24.pdf)

<sup>3</sup> <https://www.healthcare-informatics.com/news-item/cybersecurity/report-ransomware-attacks-against-healthcare-orgs-increased-89-percent-2017>

<sup>4</sup> [https://content.govdelivery.com/attachments/USDHSCIKR/2018/01/05/file\\_attachments/939003/HCCIC-2018-001-Spectre-Meltdown-3.pdf](https://content.govdelivery.com/attachments/USDHSCIKR/2018/01/05/file_attachments/939003/HCCIC-2018-001-Spectre-Meltdown-3.pdf)

<sup>5</sup> <https://www.foreign.senate.gov/imo/media/doc/FinalRR.pdf>

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4. **False Alarm:** Well, Hawaii faced existential threat this week and lived to tell about it. The FCC is now investigating.<sup>6</sup> But let's look at the positives – this was a (inadvertent) reminder of the need to test and exercise emergencies plans.<sup>7</sup>
5. **App Encryption:** WhatsApp may have an interesting security vulnerability,<sup>8</sup> which shows the need to engineer security into a product rather than slap some encryption on top. And Skype is adopting the Signal encryption protocol.<sup>9</sup> Speaking of encryption – Bruce Schneier reviewed Deputy AG Rosenstein's talk last year on going dark.<sup>10</sup>
6. **NotPetya – act of WAR?:** The Washington Post has reported<sup>11</sup> that the CIA believes the Russian government is behind the *NotPetya* attacks from earlier this year. This comes after UK and U.S. intelligence agencies attributed the *WannaCry* attacks to the North Korean government.

The question is now: what will the U.S. do about this? *NotPetya* caused significant damage to the U.S. healthcare sector, as well as other businesses and individuals across the country. Estimates show that *NotPetya* caused over a billion dollars in damages to U.S. companies<sup>12</sup>. Allies were also damaged by the attack - will any invoke collective defense treaties such as Article 5 of NATO?

Further analysis on this and other topics available to members via the weekly *Hacking Healthcare* newsletter.

### **Congress –**

Wednesday, January 17

--Hearings to examine facing 21st century public health threats, focusing on our nation's preparedness and response capabilities. (Senate HELP)<sup>13</sup>

--Hearing: CDM the Future of Federal Cybersecurity? (House Homeland)<sup>14</sup>

Thursday, January 18

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<sup>6</sup> <https://arstechnica.com/tech-policy/2018/01/after-false-hawaii-missile-notice-fcc-launches-investigation/>

<sup>7</sup> <https://www.wired.com/story/hawaii-nuclear-missile-alert-false-explanation/>

<sup>8</sup> <https://www.wired.com/story/whatsapp-security-flaws-encryption-group-chats/>

<sup>9</sup> <https://arstechnica.com/gadgets/2018/01/skype-finally-getting-end-to-end-encryption/>

<sup>10</sup> [https://www.schneier.com/blog/archives/2018/01/yet\\_another\\_fbi.html](https://www.schneier.com/blog/archives/2018/01/yet_another_fbi.html)

<sup>11</sup> Story broke by the incredible Ellen Nakashima: [https://www.washingtonpost.com/world/national-security/russian-military-was-behind-notpetya-cyberattack-in-ukraine-cia-concludes/2018/01/12/048d8506-f7ca-11e7-b34a-b85626af34ef\\_story.html](https://www.washingtonpost.com/world/national-security/russian-military-was-behind-notpetya-cyberattack-in-ukraine-cia-concludes/2018/01/12/048d8506-f7ca-11e7-b34a-b85626af34ef_story.html)

<sup>12</sup> Accurate estimates of the cumulative impact are challenging due to non-universal reporting requirements that do not standardize or structure impact data.

<sup>13</sup> <https://www.help.senate.gov/hearings/facing-21st-century-public-health-threats-our-nations-preparedness-and-response-capabilities-part-i>

<sup>14</sup> <https://homeland.house.gov/hearing/cdm-future-federal-cybersecurity/>

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--Hearing: Disrupter Series: The Internet of Things Manufacturing and Innovation (House Energy and Commerce)<sup>15</sup>

### ***Conferences and Webinars –***

--Health IT Summit – San Diego, CA (2/1) <<https://vendome.swoogo.com/san-diego-hitsummit-2018/>>

--Medical Device Workshop at Philips Healthcare – Andover, MA (3/20)  
<<https://nhisac.org/events/nhisac-events/medical-device-workshop-at-philips-healthcare-andover-ma/>>

--Health IT Summit – Cleveland, OH (3/27) <<https://vendome.swoogo.com/2018-Cleveland-Health-IT-Summit>>

--Health IT Summit – San Francisco, CA (4/5) <<https://vendome.swoogo.com/2018-San-Francisco-HIT-Summit>>

--Security Workshops at Intermountain Health – Park City, UT (4/24)  
<<https://nhisac.org/events/nhisac-events/security-workshop-at-intermountain-park-city-ut/>>

--2018 NH-ISAC Spring Summit – Sawgrass, FL (5/14-17)  
<<http://www.marriott.com/hotels/travel/jaxsw-sawgrass-marriott-golf-resort-and-spa/>>

--Health IT Summit – Philadelphia, PA (5/21) <<https://vendome.swoogo.com/2018-Philly-HITSummit>>

--Health IT Summit – Minneapolis, MN (6/13) <<https://vendome.swoogo.com/2018-Minneapolis-Health-IT-Summit>>

--Health IT Summit – Nashville, TN (6/28) <<https://vendome.swoogo.com/2018-Nasvhille-HITSummit>>

--Health IT Summit – Denver, CO (7/12) <<https://vendome.swoogo.com/2018-Denver-HITSummit>>

--Health IT Summit – St. Petersburg, FL (7/24) <<https://vendome.swoogo.com/StPetersburg-HITSummit-2018>>

--Health IT Summit – Boston, MA (8/7) <<https://vendome.swoogo.com/2018-Boston-Health-IT-Summit>>

--Health IT Summit – Seattle, WA (10/22) <<https://vendome.swoogo.com/2018-Seattle-HITSummit>>

--2018 NH-ISAC Fall Summit – San Antonio, TX (11/26-29)  
<<https://www.destinationhotels.com/la-cantera-resort-and-spa>>

### ***Sundries –***

--**The Hidden Toll of Fixing Meltdown and Spectre** <<https://www.wired.com/story/meltdown-and-spectre-patches-take-toll/>>

--**Cybersecurity: Time for a New Definition** <<https://lawfareblog.com/cybersecurity-time-new-definition>>

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<sup>15</sup> <https://energycommerce.house.gov/hearings/disrupter-series-internet-things-manufacturing-innovation/>

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--**The “Doublespeak” of Responsible Encryption** <<https://www.wired.com/story/responsible-encryption-double-speak/>>

--**Researchers uncover major security vulnerabilities in ICS mobile applications**  
<<https://www.helpnetsecurity.com/2018/01/11/security-vulnerabilities-ics-mobile-applications/>>

--**IoT malware targeting zero-day vulnerabilities**  
<<https://www.helpnetsecurity.com/2018/01/12/iot-malware-zero-day/>>

--**Kim Digs for Cybercrime Coin Sanctions Can't Snatch**  
<<https://www.thecipherbrief.com/article/asia/kim-digs-cybercrime-coin-sanctions-cant-snatch>>

--**Microsoft's Jan. 2018 Patch Tuesday Lowdown**  
<<https://krebsonsecurity.com/2018/01/microsofts-jan-2018-patch-tuesday-lowdown/>>

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