FINANCIAL SERVICES | Information Sharing and Analysis Center

FS-ISAC Securities Industry Risk Group **June 2017**
Global Cybersecurity Brief **TLP: WHITE**

FS-ISAC Collaborates on Cybersecurity Awareness

This monthly update is brought to you by the Financial Services Information Sharing and Analysis Center (FS-ISAC) in coordination with the Securities Industry and Financial Markets Association (SIFMA), the Investment Industry Association of Canada (IIAC) and the International Council of Securities Associations (ICSA).

The information provided in this Monthly Newsletter highlights Cyber Security topics and emerging threats to the Securities Industry globally. It is intended to increase the cybersecurity awareness of an organization's end users and to help them interact in a more secure manner.

This newsletter is not intended to replace the benefits of joining FS-ISAC's member-based organization, and readers from organizations who are not already members are encouraged to join (**FS-ISAC**).

FS-ISAC Responds to Global Ransomware Attack

On Friday May 12, 2017, a new ransomware variant named WannaCry (**Wiki**), had spread rapidly across organizations and in multiple countries. Within one day the ransomware had spread to over 230,000 computers in over 150 countries (**Reuters**). The ransomware rapidly affected several organizations such as internet service providers (ISPs), car manufacturers, hospital systems, and other large global organizations.

The ransomware utilized a file-sharing vulnerability in Windows to spread quickly throughout organizations; it uses TCP port 445 (Server Message Block/SMB) to scan for potential victims. If it successfully connects to a vulnerable machine, it then downloads and installs the ransomware. Microsoft had patched this flaw (**MS17-010**) in March of 2017 for all current version of Windows; they published an update on Saturday, May 13 2017, for older version of Windows that are no longer supported in monthly updates (**Microsoft**).

Global security providers, government agencies, and FS-ISAC continue to provide information about the threat, as researchers indicate we may not have seen the last of WannaCry. The Securities and Exchange Commission has also issued a cybersecurity alert to broker-dealers, advisers, and investment funds following the initial attacks. (**InvestmentNews**). The FS-ISAC provided a public statement on its website (**FS-ISAC**); additional information and recordings of conference calls about the threat are available to FS-ISAC members via the portal (**FS-ISAC Portal**).

While the ransomware did not pose a threat to the financial services industry, firms are encouraged to patch and ensure SMB ports are locked down from externally accessible hosts, which appears to be the greatest defenses, aside from employees not opening infected attachments.

Preparing for EU General Data Protection Regulation

On May 8, the FS-ISAC hosted an Expert Webinar Series about the impact of the European Union's General Data Protection Regulation (GDPR) on how financial firms must handle personal data, and its influence on how financial institutions may share intelligence with other institutions. The GDPR, which went into effect on May 25, 2018, aims to strengthen and harmonize data protection requirements for individuals that reside in European Union (EU) countries. The GDPR impacts financial institutions that do business in the EU. To prepare FS-ISAC members for the new regulation, the FS-ISAC's European Legal and Regulatory Working Group issued a paper in 2016 discussing how to create a more consistent and streamlined incident/fraud reporting framework in the EU. The paper can be viewed on the FS-ISAC Member Portal (**LINK**).

FS-ISAC Launches the Global Resilience Federation

On May 2, FS-ISAC launched the Global Resilience Federation (GRF), a new not-for-profit that acts as an information sharing hub and intelligence provider. An evolution of FS-ISAC's Sector Services division, GRF will develop and distribute cyber and physical threat information among not-for-profit ISACs, ISAOs, CERTs and other communities across vital sectors around the world. GRF's mission is to help assure the resilience and continuity of vital global infrastructure GRF includes charter members: FS-ISAC, Legal Services Information Sharing and Analysis Organization (LS-ISAO) and Energy Analytic Security Exchange (EASE). More information can be found at **grfederation.org**.

Update From the FS-ISAC Analysis Team

Oracle's Quarterly Patch Release

Oracle's Quarterly Critical Patch Update contained 313 CVEs which include patches for an exploited Apache Struts vulnerability (CVE-2017-5638) and two Solaris vulnerabilities disclosed by the Shadow Brokers dump in April (CVE-2017-3623 & CVE-2017-3622). Oracle released the following statement regarding CVE-2017-3623, disclosed by the Shadow Brokers dump:

> *"Solaris 10 systems which have had any Kernel patch installed after, or updated via patching tools since January 26, 2012 are not impacted.*
>
> *Also, any Solaris 10 system installed with Solaris 10 Update 11 (1/13) are not vulnerable. Solaris 11 is not impacted by this issue."*

Adobe Patch Tuesday

As part of Adobe's regularly scheduled software update 59 vulnerabilities were patched in five different products, consisting of Flash Player, Acrobat/Reader, Photoshop, Adobe Campaign and the Adobe Creative Cloud App. Forty-seven of the vulnerabilities affect Adobe Acrobat/Reader and all could lead to code execution. The uptick in the number of vulnerabilities patched are due in part to the software issues that were uncovered at the Pwn2Own competition in March 2017.

About the FS-ISAC

The Financial Services Information Sharing and Analysis Center (FS-ISAC) helps assure the resilience and continuity of the global financial services infrastructure through sharing threat and vulnerability information, conducting coordinated contingency planning exercises, managing rapid response communications, conducting education and training programs, and fostering collaborations with and among other key sectors and government agencies. This newsletter is not intended to replace the benefits of joining FS-ISAC's member-based organization.

Thank you,

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If you have any questions about this report, please contact the **FS-ISAC**.

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