

beyond cybersecurity

Volume 5 | Issue 07 | July 2021





THE INTERVIEW ISSUE





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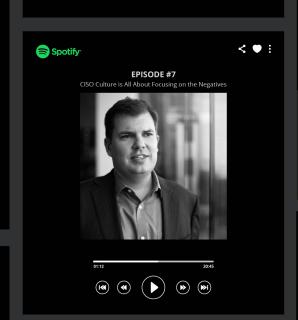
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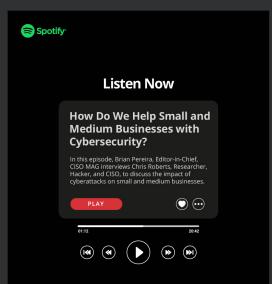
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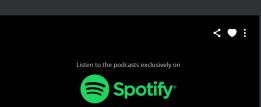




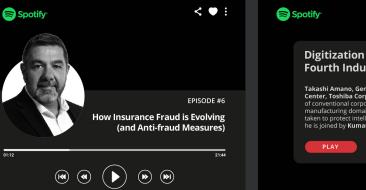


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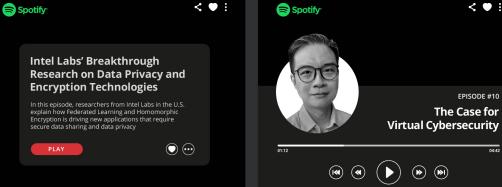
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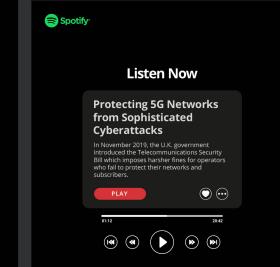




Supply Chain Attacks and Vulnerability Disclosures

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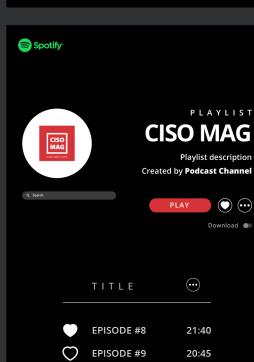
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IoT Based Attacks in the Healthcare Industry:

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iii | 15th July 2021



| 7.30 pm IST / 8.00 am MST / 9.00 am CDT

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Key Issues to be Addressed:

- 1. How is IoT used in the healthcare industry?
- 2. What are the major impacts of IoT in the healthcare industry?
- 3. Types of IoT-based attacks on healthcare devices
- 4. How to respond to such attacks.

Moderator:

Amol Kodag

Engineering Director - R&D, Medtronic. Heading Cardiovascular Portfolio at Medtronic Engineering and Innovation Center (MEIC)

Panelists:

Scott E. Augenbaum

Retired FBI Supervisory Special Agent / Cyber Division

Ricoh Danielson

Executive Cyber Security Advisor of Incident Response and Digital Forensics at 1st Responder LLC – A Cyber Security Firm

More Details



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EDITOR'S NOTE

FIGHTING BACK (WE'VE HAD ENOUGH!)

he Colonial Pipeline attack on May 7 was a watershed moment in the universal fight against ransomware attacks. It was the first incident in which the ransom paid to attackers was recovered. The attack on Colonial impacted the fuel supply chain, leading to a temporary fuel shortage along the Northeast coast of the U.S. The pressure was building for Colonial Pipeline and their CEO, Joseph Blount, had to make a difficult decision – paying up. In an interview with the Wall Street Journal, Blount acknowledged he authorized the ransom payment of 75 Bitcoin, which is approximately \$4.4 million. A few weeks later, the Department of Justice and the FBI announced that they recovered most of the ransomware amount.

In his <u>blog</u> post dated June 16, Brian Krebs, Editor of **KrebsOnSecurity**, reported that the Ukraine Cyber Police arrested six people from the CLOP ransomware group. The gang reportedly extorted more than half a billion dollars from victims.

Ransomware attacks are now an everyday occurrence. A report from Cybersecurity Ventures estimated a ransomware attack on businesses every 11 seconds in 2021.

While there are numerous debates about whether impacted companies should be paying the ransom, we could soon have legislation for this. Last year, the Department of the Treasury's Office of Foreign Assets Control (OFAC) published an advisory informing the public that the payment of ransom demanded by cybercriminals may be a violation of U.S. law.

For sure, there will be more ransomware attacks in the coming months. The adversaries see this as a lucrative opportunity, more so now, when the pandemic has office workers at home, with weak security on their home networks. Ransomware gangs are getting more organized with affiliate



programs. They now offer Ransomware-as-a-Service – case in point, the DarkSide ransomware group that brought Colonial Pipeline to its knees. Read more about this in "The Vulnerabilities that Open the Door to Ransomware" on page 68.

So, are we just going to sit around and watch? And become the next victim?

Isn't it time we did something about it?

The fight against ransomware attacks goes beyond private organizations, as even governments and critical infrastructure are being attacked.

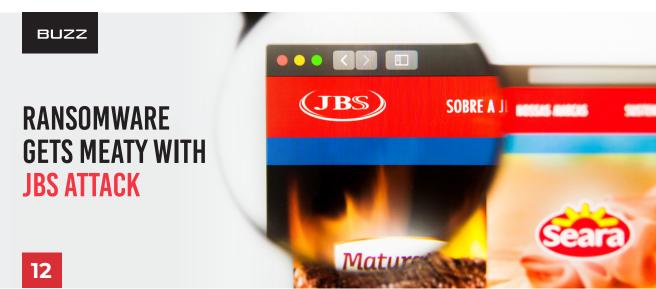
Immediately after the Colonial Pipeline attack, the Cybersecurity and Infrastructure Security Agency (CISA) and the FBI issued a security advisory with mitigation steps to reduce the risk of compromise by ransomware attacks.

The increased involvement of APT groups who engage in cyber warfare would make it extremely difficult to contain ransomware attacks. This was on the agenda for discussion during the recent meeting between President Biden and Russian leader Vladimir Putin. There were similar discussions at the G7 meet in the U.K. in June.

Ransomware needs to be tackled on a global stage, with the involvement of governments, and organizations like Interpol, Europol, NIST, CERT, ACSC (Australia), National Cybersecurity Center (U.K.), and others.

It's about time they banded together and fight back!











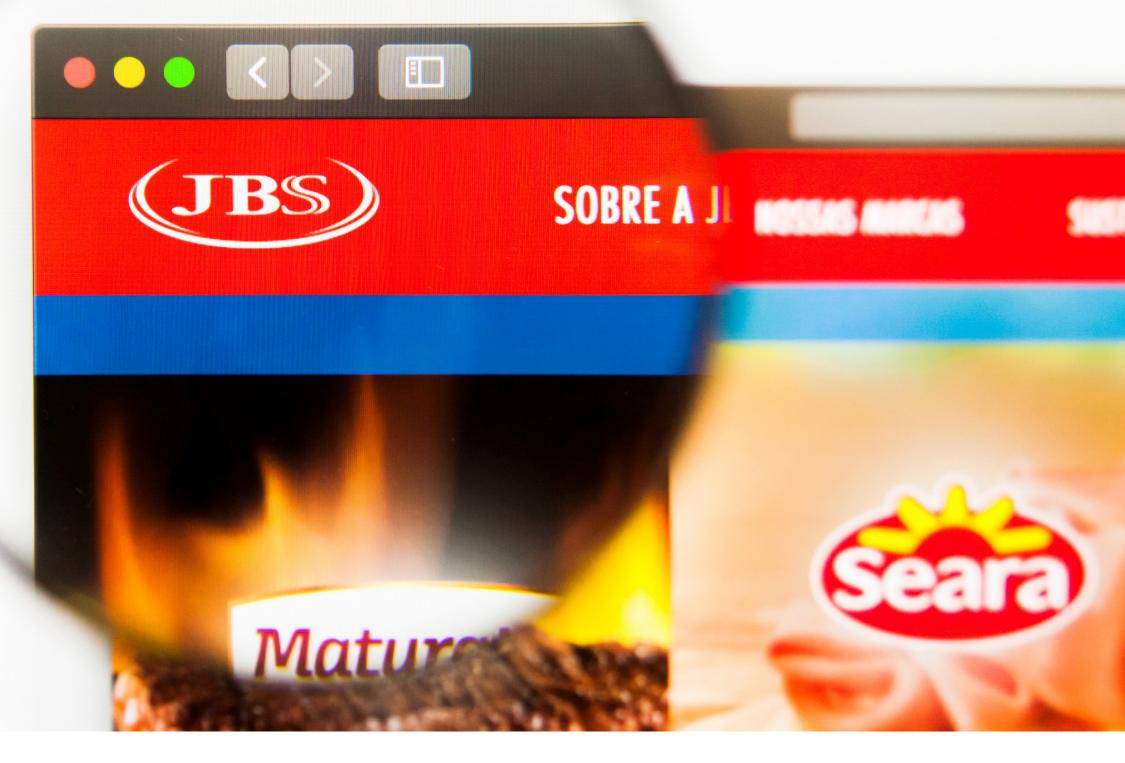


RANSOMWARE **GETS MEATY WITH JBS ATTACK**

Mihir Bagwe Sr. Technical Writer CISO MAG

ansomware has by far been the buzzword of 2021. Until now, ransomware attacks only appeared under the Tech section of news dailies. However, this has changed. Stories of ransomware attacks are now front page news and make it to cover stories. The modus operandi of ransomware operators has evolved over the years. They are not just looting businesses but targeting critical sectors and larger supply chains, raising the stakes for national security. Remember the Colonial Pipeline hack, which virtually exhausted the entire gas supply on the East Coast? And the Babuk ransomware gang's attack on D.C. Metropolitan Police Department that acted as a roadblock for the law enforcement in the city? These attacks have grown manifold, and are found everywhere.

The dust of the Colonial Pipeline ransomware attack had just begun to settle as the U.S. Department of Justice's (DoJ) newly formed digital extortion task force reported recovering majority of the ransom paid (approximately \$2.3 million of \$4.4 million in Bitcoins) by the company to the cybercriminals. And while one company was heaving a sigh of relief, another sophisticated ransomware attack took center stage. This time, adversaries struck a meaty blow at the world's largest meat producer – JBS.





The ransomware attack on JBS' systems did not just affect its IT infrastructure; it had a ripple effect. The attack paralyzed its worldwide supply chain. It halted slaughter operations not just in the U.S. but across its units in Canada and Australia. Transactions and supplies with both - customers and suppliers - were suspended temporarily. The company issued a press release in which it deemed the incident as "organized cybersecurity attack."

Upon discovery, JBS suspended all s' and networks that were known been intruded on and inform respective law enforcement au

was the fact that JBS had a data backup in place. The company issued a statement confirming that its backup servers were not affected, and thus (they were) actively working with an incident response firm to restore its systems as soon as possible.

JBS did not mention how the ransomware intruded on its systems or the perpetrators involved. But certain <u>news reports</u> suggested that it was the evil hand of the Russian-speaking REvil ransomware gang. ar, the notoriously infamous gang any details related to the their underground "Happy Blog." ~tolen

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