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Dangerous: Critical Conversations About CISA's "Bad Practices"

Don Benack

Deputy Associate Director, Vuln Mgmt. Cyber and Infrastructure Security Agency @rm_sbin_sh

Josh Corman

(formerly) Chief Strategist, COVID-19 Task Force Founder, I am the Cavalry @joshcorman







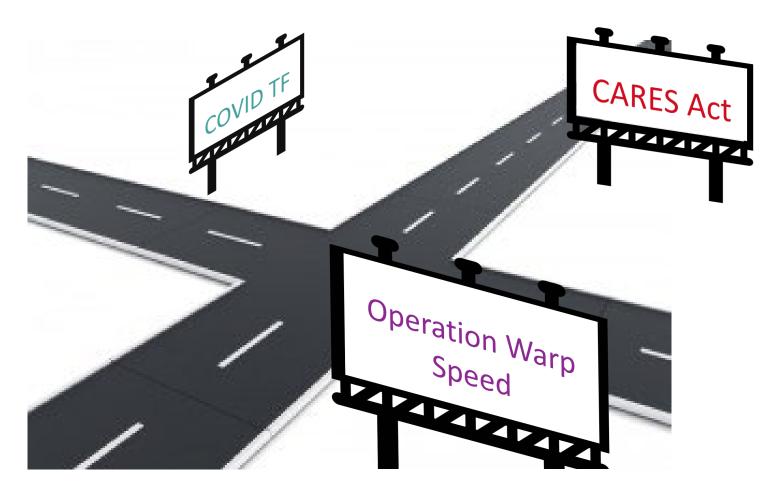
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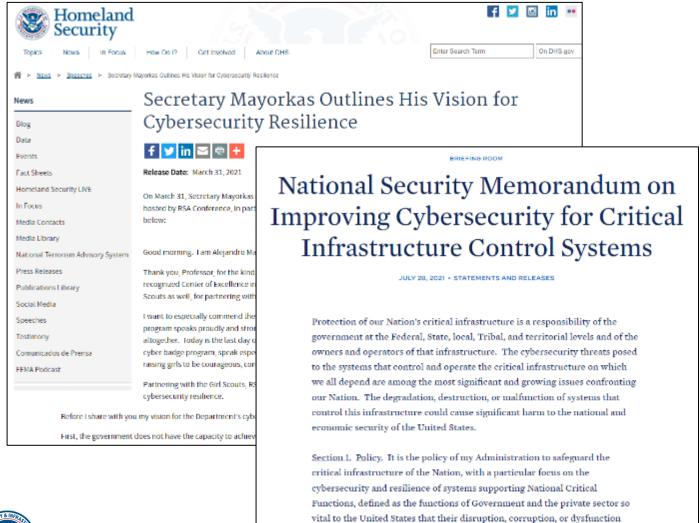
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would have a debilitating effect on national security, economic security, public



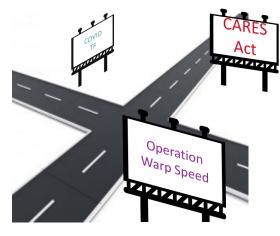
















Realization of some uncomfortable truths

 Many (most even) organizations are target rich and cyber poor

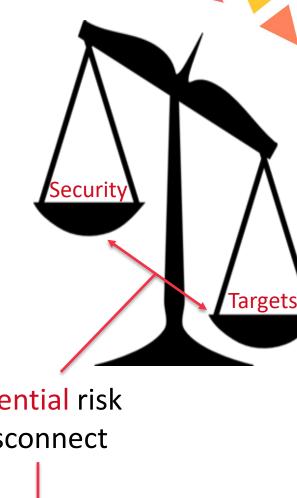
Widespread willingness to accept dangerous

risk





May lead to





The philosophy behind Bad Practices



Or, what a Bad Practice is (and isn't)

- Unimpeachably dangerous
- Not simply the opposite of a good or best practice
- The most simple, easy to digest and direct guidance we can provide

Bad Practice

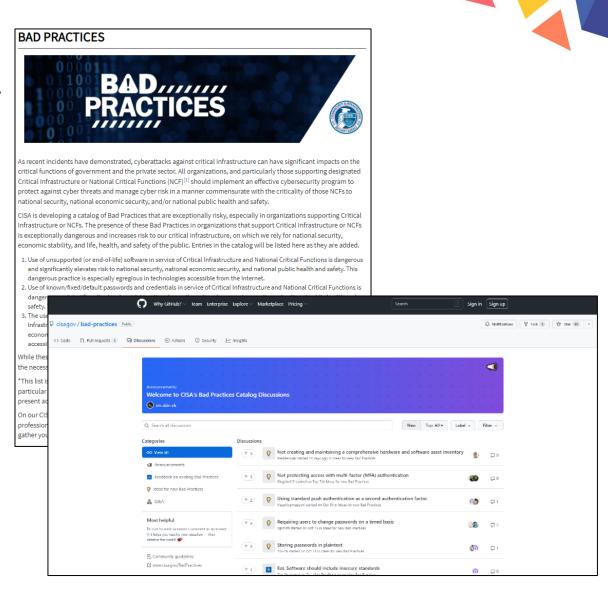


DO NOT SNIFF BLUE PIT VIPERS.





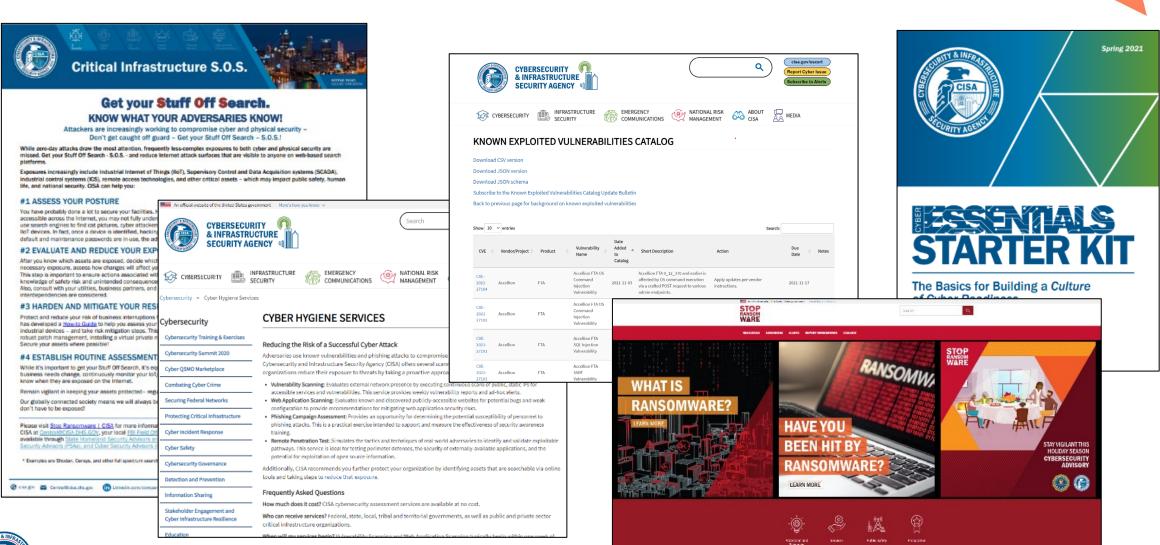
- Use of unsupported (or end-oflife) software
- Use of known/fixed/default passwords and credentials
- Use of single-factor authentication for remote or administrative access





Bad Practices are part of a wider effort

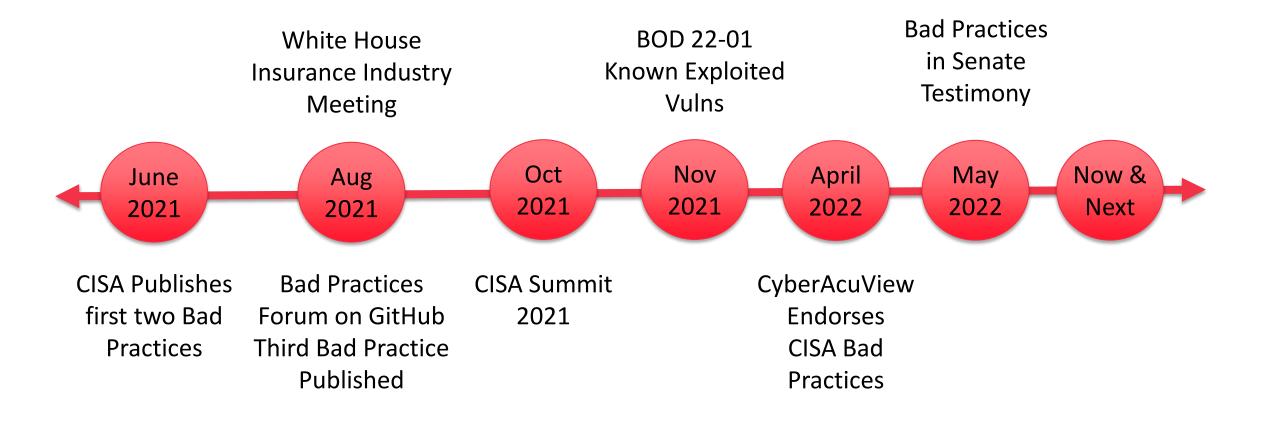




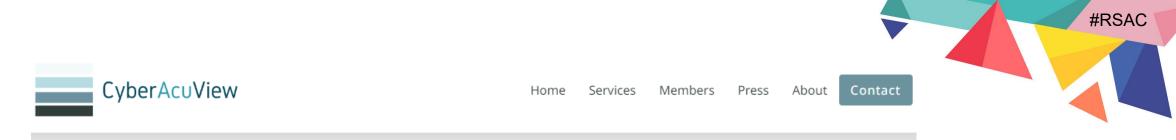


Moving Beyond the Prologue









CyberAcuView Endorses Industry Encryption and Voluntary Minimum Cyber Security Best Practices

NEW YORK - April 26, 2022 - CyberAcuView, established in 2021 to enhance cyber risk mitigation efforts across the industry, today announced its support for Transport Layer Security (TLS) encryption to help secure communications in transit, as well as the creation of voluntary minimum cyber security best practices to enhance cyber risk mitigation efforts across the cyber insurance industry.

"The importance of ensuring that confidentiality, integrity, and authenticity protections are in place between policyholders, agents and brokers, and insurers during the cyber insurance policy lifecycle is necessary to ensure sensitive information remains secure," said Mark Camillo, CEO of CyberAcuView. "CyberAcuView supports a minimum of TLS 1.2, an advanced cryptographic protocol, to proactively encrypt policy terms in transit with the goal that it will lead to further enhancements made by the industry in an effort to help protect documents at rest."

CyberAcuView is also endorsing the Department of Homeland Security (DHS) Cybersecurity and Infrastructure Security Agency (CISA) Bad Practices List as a starting point for the cyber insurance industry to establish voluntary minimum cyber security best practices. This is the first public endorsement of the CISA list by the private sector and aligns with CyberAcuView's broader goal of eliminating risky practices through the use of insurance incentives.

CISA developed the Bad Practices List by engaging with administrators and IT professionals from both the public and private sectors. CISA considers the presence of these bad practices within organizations that support Critical Infrastructure or National Critical Functions (NCFs) to be exceptionally dangerous and encourages all organizations to consider and address them, if applicable, to help improve cyber hygiene. CyberAcuView will build upon this initial work to promote cyber insurance security best practices.

"The insurance industry has a vital role to play in incentivizing organizations to improve their overall cyber security maturity," said Josh Corman, former Chief Strategist for the CISA COVID Task Force who helped develop the Bad Practices List, "It's great to see this endorsement of the Bad Practices List as a first step in eradicating behavior that increases risk to the critical infrastructure we rely upon for national security, economic stability, and safety of the public."

Mr. Camillo added, "Insurers have been at the forefront of reducing risk and improving safety across all areas of the economy for hundreds of years – from property and automobile to marine and cargo. Reducing risk and improving cyber resilience is a natural progression in the digital age for insurers to address through CyberAcuView."

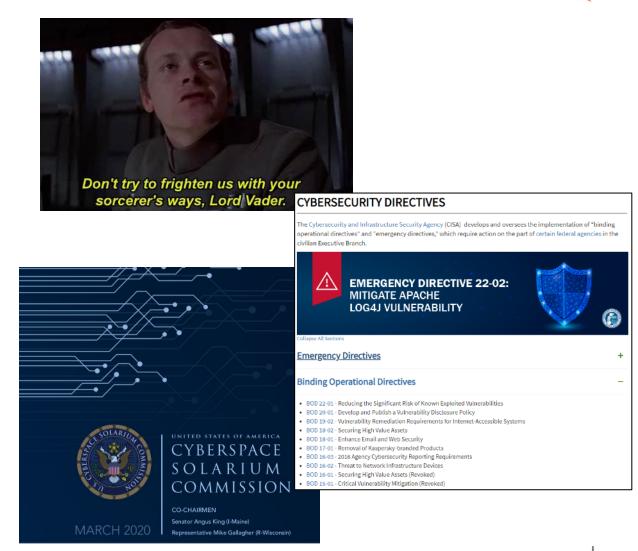






Upcoming actions from CISA

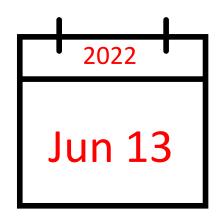
- Encourage the community to organize and act
- Meet with all sector risk management agencies
- Link funding opportunities to eradication of bad practices
- Update the Cyber Essentials
- Add to Bad Practices







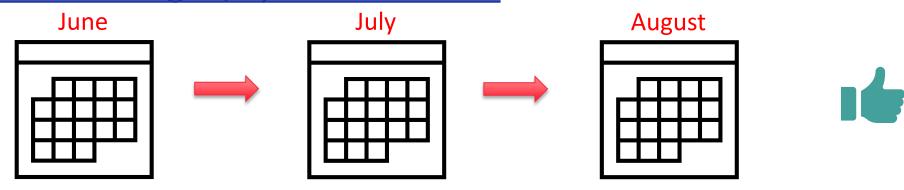
- Review the Bad Practices with your C-Suite
- Contribute to the conversation and development: <u>https://github.com/cisagov/bad-practices/discussions</u>
- Get your Stuff off Search: <u>https://www.cisa.gov/publication/stuff-off-search</u>
- Use free CISA services to manage your Cyber Hygiene: https://www.cisa.gov/cyber-hygiene-services
- Connect with local CISA resources in your region <u>https://www.cisa.gov/cisa-regions</u>







- #RSAC
- Establish policies prohibiting implementation of Bad Practices
- Develop plans to eradicate Bad Practices in your organization
- Use the Known Exploited Vulnerabilities Catalog prioritize patching: <u>https://www.cisa.gov/known-exploited-vulnerabilities-catalog</u>
- Review your program against the Cyber Essentials: https://www.cisa.gov/cyber-essentials







- #RSAC
- Routinely mitigate Known Exploited Vulnerabilities swiftly
- Begin eliminating Bad Practices and implementing Cyber Essentials
- Talk to your Vendors, Insurer and maybe even your Regulator
- Explore modern defensible architectures





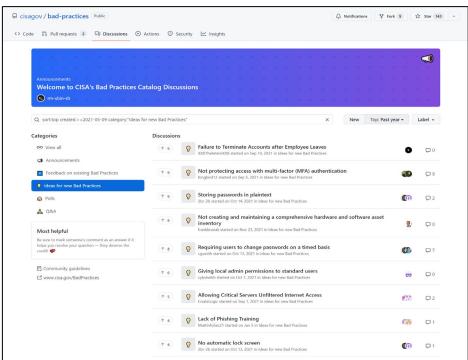
There's More to Come

#RSAC

- CISA is considering additional Bad Practice Candidates
 - Internet Exposed Administrative Services?
 - Recalled products in Production Environments?
 - Failure to Segment/Separate Privilege?

 Your engagement is needed: https://github.com/cisagov/bad-practices/discussions





Questions and Answers Opportunity



- Let's Talk
 - What opportunities do you see?
 - What concerns do you have?
 - What dangerous practice should we address next?
 - How can we incentivize and motivate action?
- Didn't get a chance to ask your question or share your thought?
 - email: <u>vulnerability@cisa.dhs.gov</u> with subject line: <u>Bad Practices</u>
 - GitHub: https://github.com/cisagov/bad-practices/discussions







- Pragmatic Cyber Security Webinar | CISA https://www.cisa.gov/pragmatic-cyber-security-webinar
- CISA Insights: Provide Medical Care is in Critical Condition: Analysis and Stakeholder Decision Support to Minimize Further Harm (October 2021) https://www.cisa.gov/insights
- Senate Testimony <u>https://youtube.com/playlist?list=PLSNVIMw4ldTw6QqXINvSNn-b9A8aM93vu</u>
- Stop Ransomware | CISA https://www.cisa.gov/stopransomware

