CISA INSIGHTS DURING THE TIME OF COVID-19:

WHAT HAVE WE LEARNED AND WHAT DO WE PREDICT?
Year in Review: 2020

Planned Events

- National Elections
- Census 2020
- Social Justice

Unplanned Events

- Natural Disasters

Geopolitical Tensions

COVID-19
COVID-19 has affected:
- Governance and communication
- Science and medicine
- Economics and logistics
- Technology
Technical Challenges to IT/OT

Pre-COVID
- Competing needs
- Inconsistent cyber hygiene
- Outdated Hardware & Software

COVID
- New remote workforce
- Rapid tech shift
- COVID-19 Response Efforts

Post-COVID
- Geopolitically motivated attacks
- Increased targeting of HPH entities
- Cyber criminals leverage COVID-fueled FUD
Exploiting Human Vulnerabilities

Fear, Uncertainty, and Doubt

Misinformation-themed phishing campaigns
CISA’s Response

Federal Government
- Telework Best Practices
- Security and IT Guides

Domestic Partners
- Vulnerability Assessments
- Incident Response

International Partners
- Foreign Targeting
- Emerging Vulnerabilities

Guidance

Service

Alerts
Entities are Actively Engaging with CISA and Enrolling in Cyber Hygiene Scanning to Identify Vulnerabilities.

Since March:

- Overall participation increased 24% (+386)
- CI participation increased 46% (+378)
- HPH participation increased 54% (+65)
- Election participation increased 19% (+46)
Findings

Persistent Challenges

- 33% of entities enrolled currently operate a potentially risky service
- 52% of entities have a vulnerability identified with a known exploit available

Improvements

- Reduction of vulnerability backlogs of entities enrolled
- Reduction of active exploitable vulnerabilities
Looking Ahead

- Targeted Attacks
- Evolving Misinformation
- Basic Security Needs
- Remote Security Needs
- New Tools & New Risks
CISA Offerings to Deter Future Cyber Threats

Cyber Resources Hub
https://www.cisa.gov/cyber-resource-hub

CISA Service Offerings
https://www.cisa.gov/publication/cisa-services-catalog

Telework Guidance and Resources
https://www.cisa.gov/telework

Coronavirus Resources
https://www.cisa.gov/coronavirus
3rd Annual National Cybersecurity Summit

For more information:
CISA.gov
How’d I do?

• Survey Monkey Link

• Mobile Link
  • Text Survey to XXX-XXX