

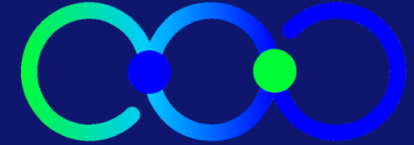


Leadership Perspectives on Cybersecurity

Using the NIST CSF 2.0 to mitigate cybersecurity risk

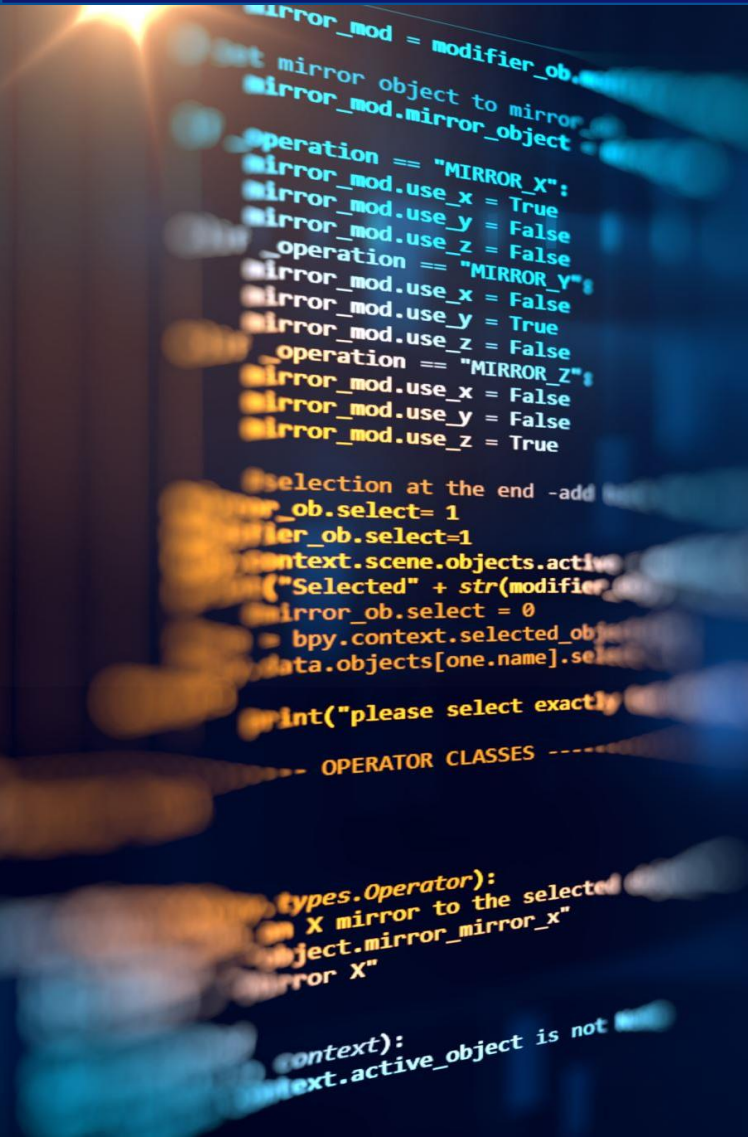
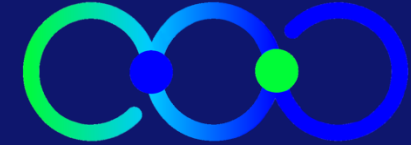
Matthew Smith, CEO, Seamless Transition LLC

Hello!



- Matthew Smith
- CEO – Seamless Transition LLC
- vCISO for rural telecoms (some WTA members)
- Strategic Advisor (DOE, INL, SSA, NIST)
- Previously worked on:
 - Executive Order 13636: Enhancing Critical Infrastructure Cybersecurity
 - Executive Order 13718: Commission on Enhancing National Cybersecurity
 - Executive Order 13800: Strengthening the Cybersecurity of Federal Networks and Critical Infrastructure

Current State of Cybersecurity



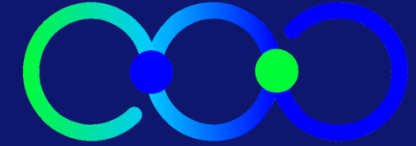
Recent Attacks in Telecommunications

- Frontier Communications hack
- AT&T data breach

Risks

- Ransomware abounds
- Distributed Denial of Service (DDoS)
- Multiple regulatory hurdles

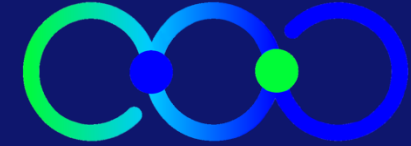
Business Benefits of Cybersecurity



- Compliance
 - Cyber Risk Management Plans (BEAD, E-ACAM)
- Reduce downtime in the face of attack
- Reinforce reputation against competition

Cybersecurity is a C-suite issue

Business Drivers for Cybersecurity



Reduce complexity of regulatory compliance

Decrease cost



Increase risk mitigation of successful attack

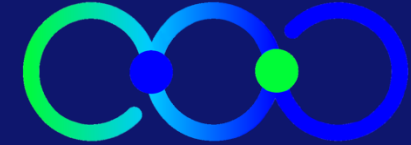
Decrease cost of response, downtime, reputation damage



Increase resilience during successful attack

Increase uptime of networks and payment systems

Enter... NIST Cybersecurity Framework (CSF)



De Facto Standard

- Used in many regulations

Risk Based

- Not a static checklist

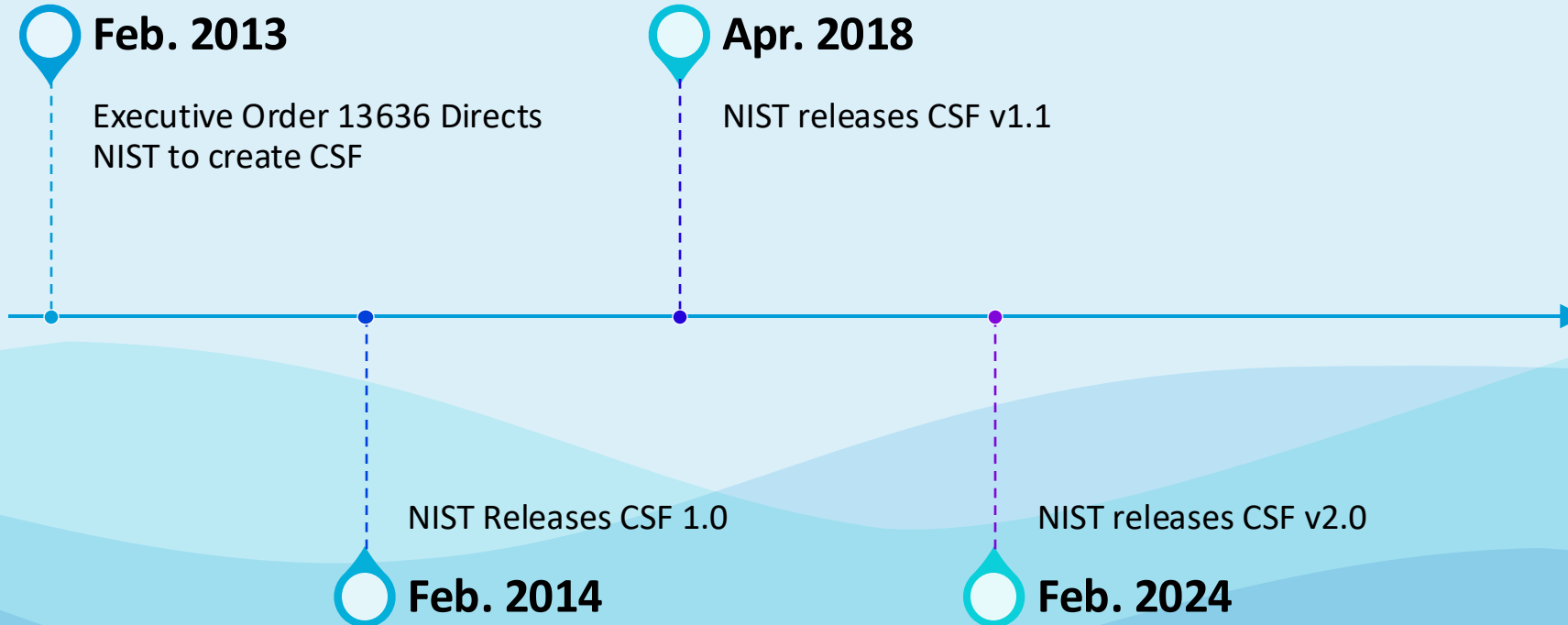
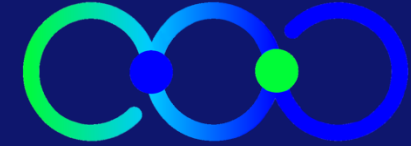
Flexible

- Tailor to individual businesses

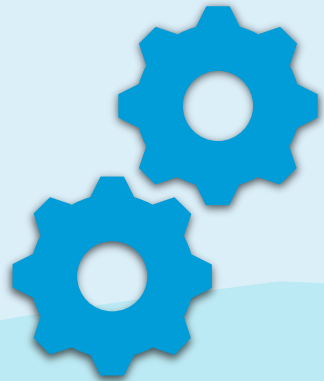
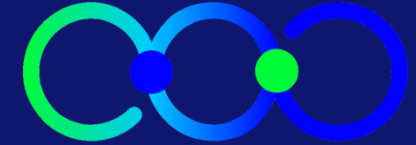
Simple

- Usable for small businesses

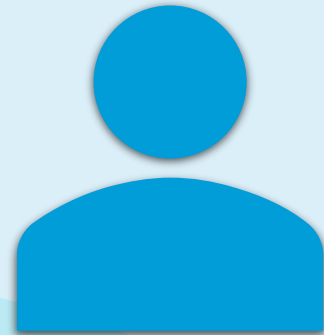
Brief History of NIST Cybersecurity Framework



Major Updates in NIST CSF 2.0



Expanded scope beyond critical infrastructure



New Govern function added

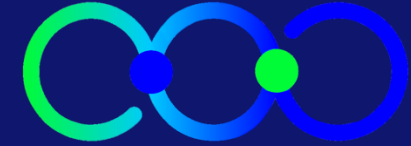


Increased focus on cyber supply chain risks



Enhanced integration with other standards

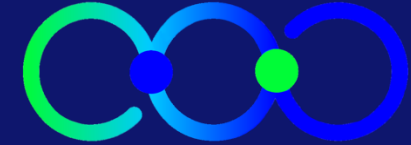
The Govern Function



- New 'Govern' function added in CSF 2.0
- Clear entry point for C-Suite into cybersecurity
- Cybersecurity is a journey, not a destination



The Govern Function



BUSINESS CONTEXT



ROLES AND
RESPONSIBILITIES



RISK MANAGEMENT
STRATEGY



SUPPLY CHAIN RISK
MANAGEMENT

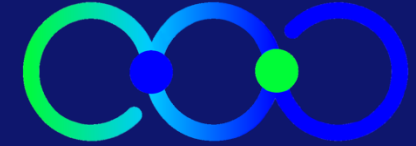


ORGANIZATIONAL
POLICY



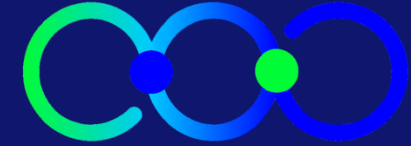
OVERSIGHT

The “Do” Slide



1. Pick a person to lead cybersecurity efforts
 1. Current employee
 2. vCISO
2. Catalog current cybersecurity policies
3. Review cybersecurity risks
4. Update cybersecurity policies based on risks

Conclusion

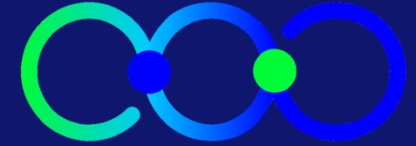


Cybersecurity is
a journey, not a
destination

Cybersecurity is
an executive
level concern

Use the NIST CSF
2.0 to organize
your efforts

Thank you!



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