Overview of NIST Small Business Resources

January 30, 2024
We cultivate trust by advancing cybersecurity & privacy standards & guidelines, technology, & measurement science.

nist.gov
Agenda

- NIST Small Business Cybersecurity Corner Website
- Hollings Manufacturing Extension Partnership (MEP)
- NIST Small Business Innovation Research (SBIR) Program
- Additional Resources
Your secure business is just around the corner.
Cybersecurity Basics

- Understand that cyber threats are a business risk, and having strong cybersecurity is a competitive advantage.

- Enable multi-factor authentication on all accounts that offer it.

- Require strong passwords and consider using a password manager.

- Change default manufacturer passwords.

- Install and maintain updated antivirus software.

- Update and patch all software when new versions are available.

- Learn how to protect your business from phishing.

- Train employees on basic cybersecurity hygiene.

https://www.nist.gov/itl/smallbusinesscyber/cybersecurity-basics
NIST Cybersecurity Framework (CSF)

CSF Introductory Resources

• NIST’s Cybersecurity Framework Quick Start Guide

• MEP’s Cybersecurity Framework Steps for Small Manufacturers

• FTC’s Understanding the NIST Cybersecurity Framework

www.nist.gov/itl/smallbusinesscyber/planning-guides/nist-cybersecurity-framework
Guidance by Topic

- All-Purpose Guides
- Choosing A Service Provider
- Cloud Security
- Cybersecurity Insurance
- Government Contractor Requirements
- Developing Secure Products
- Employee Awareness
- Multi-Factor Authentication
- Phishing
- Privacy
- Protecting Against Scams
- Ransomware
- Responding to a Cyber Incident
- Securing Data and Devices
- Securing Network Connections
- Telework
Short Videos

Short videos that also include a companion PDF handout.

Phishing

You've Been Phished

NIST research has uncovered one reason, and the findings could help CIOs mount a better defense.

Multi-Factor Authentication

You've Been Phished

The NIST Privacy Framework

Learn more here.

Ransomware

You've Been Phished

The NIST Privacy Framework

Learn more here.
Small Business Case Studies

1-page case studies, each including:
- Brief scenario
- Impact to business
- Lessons learned
- Discussion questions
- Related resources

More to come!

nist.gov/itl/smallbusinesscyber/cybersecurity-basics/case-study-series
The NIST Small Business Community of Interest (COI)

Convening companies, trade associations, and others who can share business insights, expertise, challenges, and perspectives to guide our work and assist NIST to better meet the cybersecurity needs of small businesses.

Over 7,000 individuals have already joined the full COI!

Learn More Here: https://www.nist.gov/itl/smallbusinesscyber/get-engaged
Providing any U.S. manufacturer with access to resources they need to succeed.

https://www.nist.gov/mep
Manufacturing Sector

Guidance for businesses operating in the Manufacturing sector.

- MEP Cybersecurity Resources for Manufacturers - This comprehensive site provides cybersecurity guidance, solutions, and training for the manufacturing sector.
- Manufacturing Extension Partnership

- Integrating Cybersecurity With Industry 4.0: What It Means for Manufacturing - This infographic highlights cybersecurity challenges and how MEP Centers can help.
- Manufacturing Extension Partnership

- Cybersecurity Strengthens US Manufacturers - This infographic explains the importance of managing cyber risks for manufacturers.
- Manufacturing Extension Partnership

- Cybersecurity Framework Stresses for Small Manufacturers - Helps small manufacturers understand the NIST Cybersecurity Framework and how it can be used to manage their cyber risks.
- Manufacturing Extension Partnership

- NIST Manufacturing Profile - NISTIR 8183 - Provides the Cybersecurity Framework (CSF) implementation details developed for the manufacturing environment including a roadmap for reducing cybersecurity risk for manufacturers that is aligned with manufacturing sector goals and industry best practices
- National Institute of Standards and Technology

- Recovering from a Cybersecurity Incident - Best practices that use the Incident Response Lifecycle to provide guidance on recovering from and preventing cybersecurity incidents
- Manufacturing Extension Partnership

- Interactive Infographic: How Secure is Your Factory Floor? - A virtual tour of potential cyber vulnerabilities on a shop floor.
- Manufacturing Extension Partnership

- MEP National Network Cybersecurity Assessment Tool - The purpose of this tool is to allow U.S. small manufacturers to self-evaluate the level of cyber risk to your business.
- Manufacturing Extension Partnership

- DFARS Cybersecurity Requirements - Information for Department of Defense (DoD) contractors that process, store or transmit Controlled Unclassified Information (CUI) who must meet the Defense Federal Acquisition Regulation Supplement (DFARS) PEAR

Upcoming Webinar

Cybersecurity Resources for Small to Medium-Sized Manufacturers
A Fireside Chat with the NIST Manufacturing Extension Partnership (MEP)

May 2, 2024
2:00 PM - 2:45 PM ET

https://www.nist.gov/itl/smallbusinesscyber/events
### NIST SBIR Program

#### SBIR Program goals:

1. To increase private sector commercialization of innovations derived from federal R&D;

2. To use small business to meet federal research and development (R&D) needs;

3. To stimulate small business innovation in technology; and

4. To foster and encourage participation by minority and disadvantaged persons in technological innovation.

- NIST’s SBIR program is grant-based, and awards are cooperative agreements.
- NIST issues an annual Notice of Funding Opportunity (NOFO) for SBIR Phase I proposals.
- Science and technology-based firms with strong research capabilities in any of the areas listed in the NOFO are encouraged to participate.
- Phase II awards are limited to small businesses that have successfully completed Phase I projects.

[https://www.nist.gov/tpo/small-business-innovation-research-program-sbir](https://www.nist.gov/tpo/small-business-innovation-research-program-sbir)
Engage with NIST

Attend our events: https://www.nist.gov/itl/smallbusinesscyber/events

Become an active participant in one of our COI sub-groups: https://www.nist.gov/itl/smallbusinesscyber/about-contact-us/subscribe

Send questions, comments, project ideas or request a speaker for your event: smallbizsecurity@nist.gov

Submit comments on our publications: csrc.nist.gov/publications/drafts-open-for-comment

Become a collaborator on an NCCoE project: https://www.nccoe.nist.gov/seeking-collaborators
Questions?

https://www.nist.gov/itl/smallbusinesscyber

smallbizsecurity@nist.gov