Cybersecurity @ NIST

Cultivating trust in U.S. information and systems through research, development, and application of cybersecurity and privacy standards, guidelines, tools, and reference resources.
Cybersecurity for IoT

• NIST’s **Cybersecurity for IoT Program** develops & applies standards, guidelines, and related tools to **improve the cybersecurity of connected devices and the environments in which they are deployed**.

• By **collaborating with stakeholders** across government, industry, international bodies, and academia, the program aims to cultivate trust and foster an environment that enables **innovation on a global scale**.
Accelerate adoption of secure technologies: collaborate with innovators to provide real-world, standards-based cybersecurity capabilities that address business needs.
Overview

- Risk-based approach and NIST CSF centric
  - Risk Assessment and Mitigation
  - Security Characteristics and Controls Mapping
  - Technologies / Products and Controls Mapping
  - Reference Architecture
  - Security Characteristics Analysis
  - Functional Evaluation

Project Status

- Draft Practice Guide, SP 1800-8 released May 8, 2017

Collaborate with Us

- Read SP 1800-8: Securing Wireless Infusion Pumps
- Email hit_nccoe@nist.gov to join the Community of Interest for this project
Securing Picture Archiving & Communication System (PACS)

Current Status/Next Steps

- Draft Project Description released
- Jan 2018: Publish revised Project Description by Federal Register Notice (FRN)
- Collaborators respond to FRN by submitting Letter of Interest (LOI)
- Collaborators sign Cooperative Research and Development Agreement (CRADA)
- NCCoE forms Build Team
- Collaborators work with NCCoE to install and configure the products
- Nov 2018: NCCoE writes and publishes NIST 1800-series Practice Guide

Project Status

- Draft Project Description available for public comment until December 14th

Collaborate with Us

- Join COI calls, contribute ideas, and share expertise
- Email hit_nccoe@nist.gov to join the Community of Interest for this project
Resources

• NIST@ www.nist.gov
• Cybersecurity for IoT@ https://www.nist.gov/programs-projects/nist-cybersecurity-iot-program
• NCCoE@ nccoe.nist.gov