THE NCCOE GUIDES BUSINESSES TO STRONGER CYBERSECURITY PRACTICES.

The National Cybersecurity Center of Excellence (NCCoE), a part of the National Institute of Standards and Technology (NIST), is a collaborative hub where industry organizations, government agencies, and academic institutions work together to address businesses' most pressing cybersecurity challenges. Through this collaboration, the NCCoE develops modular, easily adaptable example cybersecurity solutions using standards, best practices, and commercially available technology.

GET INVOLVED

Interested in contributing to the development of standards-based cybersecurity reference designs and lab implementations? We partner with experts from industry, government, and academia to demonstrate cybersecurity capabilities using commercially available technologies. Contact us today to share your expertise.
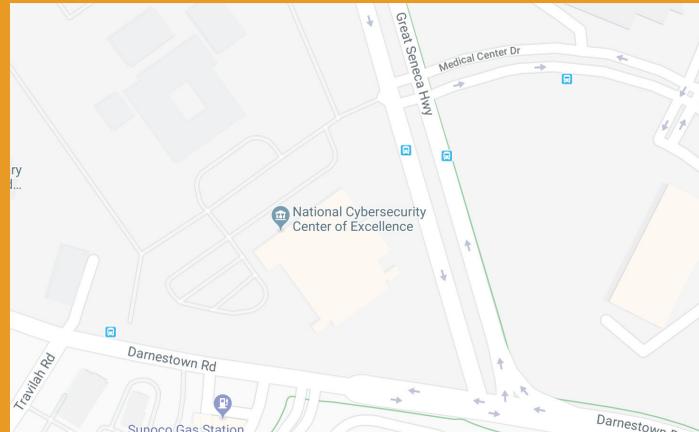
LEARN MORE

Visit: https://www.nccoe.nist.gov
Follow: @NISTcyber on Twitter

CONTACT US

Email: nccoe@nist.gov
Telephone: 301-975-0200

VISIT US

Arrange a visit to our state-of-the-art facility in the heart of Maryland's technology corridor.

National Cybersecurity Center of Excellence
National Institute of Standards and Technology
9700 Great Seneca Highway
Rockville, MD 20850

NATIONAL CYBERSECURITY CENTER OF EXCELLENCE

Accelerating the deployment and use of secure, standards-based technologies

NIST
National Institute of Standards and Technology
U.S. Department of Commerce

NCCoE
NATIONAL CYBERSECURITY
CENTER OF EXCELLENCE

OUR STRATEGY: DRIVEN BY THE CYBERSECURITY NEEDS OF AMERICAN BUSINESSES

VISION
ADVANCE CYBERSECURITY

A secure cyber infrastructure that inspires technological innovation and fosters economic growth

MISSION
ACCELERATE ADOPTION OF SECURE TECHNOLOGIES

Collaborate with innovators to provide real-world, standards-based cybersecurity capabilities that address business needs

GOALS
PROVIDE PRACTICAL CYBERSECURITY

Help people secure their data and digital infrastructure by equipping them with practical ways to implement standards-based cybersecurity solutions that are modular, repeatable, and scalable

INCREASE RATE OF ADOPTION

Enable companies to rapidly deploy commercially available cybersecurity technologies by reducing technological, educational, and economic barriers to adoption

ACCELERATE INNOVATION

Empower innovators to creatively address businesses' most pressing cybersecurity challenges in a state-of-the-art, collaborative environment

OUR COMMITMENT: ADVANCE CYBERSECURITY THROUGH APPLIED STANDARDS AND TECHNOLOGIES

ACCELERATED RESULTS

Established in 2012 through a partnership among NIST, the State of Maryland, and Montgomery County, the NCCoE meets businesses' most pressing cybersecurity needs with reference designs that can be deployed rapidly.

Since its founding, the NCCoE has collaborated with stakeholders to provide cybersecurity guidance across a wide variety of industries, including healthcare, financial services, energy, public safety, and transportation. The NCCoE has addressed concerns in areas such as identity and access management, data integrity, mobile device security, and multifactor authentication. For a list of current projects, please visit https://www.nccoe.nist.gov/projects.

NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY

The NCCoE is part of the Applied Cybersecurity Division, under the NIST Information Technology Laboratory, and operates in close collaboration with other NIST programs and initiatives. As a part of the NIST family, the center has access to a foundation of prodigious expertise, resources, relationships, and experience. NIST is a recognized thought leader in:

» cryptography
» hardware roots of trust
» identity management
» key management
» risk management
» secure networking
» secure virtualization
» security automation
» security for cloud and mobility
» software assurance
» usability and security
» vulnerability management

OUR APPROACH: REDUCE BARRIERS TO ADOPTION OF SECURE TECHNOLOGIES

BUSINESS MODEL

The NCCoE uses commercially available technologies as modules in end-to-end solutions that can be rapidly applied to the real challenges that businesses face each day. The center has a four-step process:

1. Define a scope of work with industry to solve a pressing cybersecurity challenge

2. Assemble teams of industry organizations, government agencies, and academic institutions to address all aspects of the cybersecurity challenge

3. Build a practical, usable, repeatable implementation to address the cybersecurity challenge

4. Advocate adoption of the example implementation using the practice guide

OUTCOMES

Cybersecurity solutions that are:

» based on standards and best practices

» usable, repeatable, and can be adopted rapidly

» modular, end-to-end, and commercially available

» developed using open and transparent processes

» matched to specific business needs and that bridge technology gaps