

# Welcome to the NCCoE

RESOURCES FOR GROWING  
CYBERSECURITY COMPANIES IN MD

November 25, 2013



## 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 cybersecurity capabilities that address business needs



## GOAL 1

### PROVIDE PRACTICAL CYBERSECURITY

Help people secure their data and digital infrastructure by equipping them with practical ways to implement cost-effective, repeatable and scalable cybersecurity solutions

## GOAL 2

### INCREASE RATE OF ADOPTION

Enable companies to rapidly adopt commercially available cybersecurity technologies by reducing their total cost of ownership

## GOAL 3

### ACCELERATE EFFECTIVE INNOVATION

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

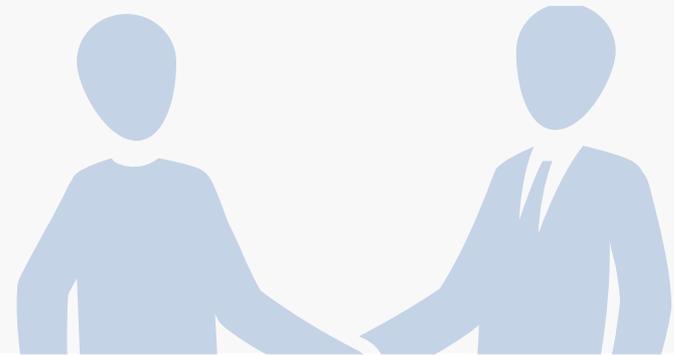


## NIST ITL

The NCCoE is part of the NIST Information Technology Laboratory and operates in close collaboration with the Computer Security Division. As a part of the NIST family, the center has access to a strong foundation of expertise, resources, relationships and experience.

## PARTNERSHIPS

Established in 2012 through a partnership among NIST, the State of Maryland and Montgomery County, the NCCoE is dedicated to furthering innovation through the rapid identification, integration and adoption of practical cybersecurity solutions.



## ITL THOUGHT LEADERSHIP

-  Cryptography
-  Identity management
-  Key management
-  Risk management

-  Secure virtualization
-  Software assurance
-  Security automation
-  Security for cloud and mobility

-  Trusted roots of hardware
-  Vulnerability management
-  Secure networking
-  Usability and security



## Open & Transparent

Use open and transparent processes to complete work, and seek and incorporate public comments on NCCoE documentation, artifacts and results



## Standards-Based

Apply relevant local, national and international standards on each security implementation and account for each sector's individual needs; demonstrate example implementations for new and emerging standards



## Modular

Develop example implementations that rely on individual components which can be easily substituted with alternative commercially available components that offer equivalent input-output specifications



## Usable

Design usable blueprints that end users can easily and cost-effectively adopt and integrate into their business without disrupting day-to-day operations



## Repeatable

Enable end users to recreate NCCoE example implementations by increasing their awareness of commercially available components and equipping them with supporting information in methodological detail





## Rapid adoption

of cybersecurity solutions that are usable, repeatable and secure



## Practical cybersecurity solutions

that match specific business needs and bridge technology gaps



## Cost-effective cybersecurity solutions

that are open, standards-based, modular, end-to-end and built on commercially available technologies



## Accessible innovation test beds

with commercially available technologies and leading cyber technologists



## Evidence-based collaboration

with leading experts from U.S. companies, universities, and NIST and other government agencies



## Compliant cybersecurity solutions

that help businesses more easily follow relevant standards and regulations

## Energy



Identity and Access Management



Situational Awareness

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## Financial Services



Identity and Access Management



IT Asset Management

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## Health IT



Mobile Devices



Authenticated Email



Trusted Geolocation in the Cloud



Continuous Monitoring



Mobile Device Integrity



## Center's next steps

Further use cases and building blocks in collaboration with cybersecurity community



## Your next steps

Contact us to explore opportunities to collaborate

### Contact Us

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