

**JOIN US FOR THE MITIGATING IoT-BASED DDoS PROJECT
INDUSTRY DAY
ON APRIL 10, 2019 AT THE NIST NCCoE
IN ROCKVILLE, MD**

As the popularity of [Internet of Things \(IoT\) devices grows](#), so too do concerns over security and privacy. To keep costs down, IoT devices may not be equipped with the software necessary to guard against known threats. Also, because IoT devices are typically designed to perform one function, they may have processing, timing, memory, power, or cost constraints. Combined, these factors make IoT devices potentially vulnerable to malicious actors who can exploit them to launch IoT-based Distributed Denial of Service (DDoS) or other network-based attacks.

The [National Institute of Standards and Technology's](#) (NIST) [National Cybersecurity Center of Excellence](#) (NCCoE) is currently working along with its industry collaborators on the [Mitigating IoT-Based DDoS project](#) and are developing a proof of concept of mechanisms to mitigate IoT-based DDoS and other network-based attacks. They are using [Manufacturer Usage Description \(MUD\) Specification](#), threat-signaling, software updates, and recommended practices such as no hard-coded default passwords.

In 2019, the NCCoE will complete at least one demonstration of most of these capabilities and will publish its *Securing Small Business and Home IoT Devices: Mitigating Network-Based Attacks Using Manufacturer Usage Description Practice Guide*. This free NIST Special Publication describes illustrative technical solutions and practical steps that can help IoT developers and manufacturers effectively leverage MUD to help consumers and small businesses better protect their IoT devices and networks in the future.

Collaborating participants in this project include Arm, CableLabs, Cisco, CTIA, DigiCert, ForeScout, Global Cyber Alliance, MasterPeace, Molex, Patton Electronics, and Symantec.

INDUSTRY DAY INVITATION

Join us at the NCCoE for an Industry Day event on Wednesday, **April 10**, from 9:00 a.m. – 12:00 p.m. to explore progress made to date on the [Mitigating IoT-Based DDoS](#) project and practice guide. See the full agenda below.

To reserve a space at Industry Day, [please register](#) by **April 3**. Our international guests are particularly encouraged to register by this date, to give NIST sufficient time to process their paperwork.

Questions? Please send an email to: mitigating-iot-ddos-nccoe@nist.gov.

AGENDA

8:30 – 9:00: Check-In, NCCoE Lobby

9:00 – 9:10: Intro to NCCoE and NIST IoT Program

9:10 – 9:30: Project Overview

9:30 – 10:15: MUD Specification Deep Dive

10:15 – 10:35: Current State and Next Steps of the Project

10:35 – 10:45: Break

10:45 – 11:00: Build Demonstration

11:00 – 11:45: Panel Discussion

- Lessons Learned and Next Steps
- Security Considerations
- Recommendations
- Questions and Answers

11:45 – 12:00: IoT Lab Tour

DETAILS

Date/Time:

Wednesday, April 10, 2019

9:00 a.m. – 12:00 p.m.

Location:

The NCCoE

9700 Great Seneca Hwy

Rockville, MD 20850