

You are invited to a remote interactive exercise hosted by the

CCDC Army Research Laboratory – Cyber Rapid Innovation Group

**Hands-on Cyber Innovation Exercise: Network Cryptography
(all you need is a browser)**

When: Thursday, November 17, 2020, 12:00 – 1:30 PM MT

Led by: Dr. Jaime C. Acosta, jaime.c.acosta.civ@mail.mil,
Cybersecurity Research Scientist



Bio: Dr. Acosta received his Ph.D. from the University of Texas at El Paso (UTEP) in 2009. He has worked for the Army as a government civilian for over 15 years and as a visiting research and adjunct professor at UTEP in the field of cyber security for over 8 years. Dr. Acosta is the ARL South site lead at UTEP, where he works closely with faculty, students, and regional cyber security professionals in industry and government to collectively and collaboratively solve critical cybersecurity problems through research, tool development, and rapid innovation activities such as competitive events and workshops.

Dr. Acosta currently leads the Cybersecurity Rapid Innovation Group (CyberRIG), that focuses on developing novel methods and software tools to secure systems. The group consists of academic, federal, and industry partners. He also leads several research projects focused on automated proof-of-vulnerability development, malware analysis, cyber deception, and autonomous active cyber security.

Description:

Cryptography is the practice of techniques for secure communication in the presence of third parties. Encryption is the process of hiding or transforming data into a secretive data - only the party that knows the key can restore the original message. Third parties, possibly attackers, will not be able to view this information... unless... (find out yourself)

You will engage in an interactive exercise during which an admin is accidentally sending keys to another machine on the network. Your task uncover evidence (keys and decrypted messages) that this is occurring and then mitigate the problem.

You must register in advance for this event:

Short URL:

<https://forms.gle/Abta3APJXCLAEyNu8>

Long URL:

https://docs.google.com/forms/d/e/1FAIpQLSfaGwo3qPFC37TPMrN7NkrVDtYy8x0F64WDvunGN3YpEhYTJg/viewform?usp=sf_link

A week prior to the event, you will receive an email with additional details, including connection information.