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ANALOG DEVICES
AHEAD OF WHAT'S POSSIBLE™

ADVANCING YOUR CYBER RESILIENCY
With World-Class Cyber Security Training and Network Simulation

How Does Your Organization Prepare, Score, and Measure Your Cyber Security Performance?

The ADI Cyber Range proves your organization's readiness by scoring and improving your cyber operators capabilities in real-world scenarios with IT/OT network convergence. Through individual challenges and team exercises we enhance your organization's resiliency to ever-changing threats through advanced, hands-on training on how to:

▶ Detect ▶ Neutralize ▶ Repair ▶ Defend

What Is the ADI Cyber Range?

The ADI Cyber Range provides customers with an adaptable virtualization platform for cyber security training, modeling, simulation, and advanced analytics. It offers a secure environment in which to assess network and system attack-and-defend strategies, as well as supply a proven training path, helping your organization improve its cyber resilience and maturity. The Cyber Range's flexible architecture gives users the ability to test, evaluate, and train for next-generation threats in a hands-on cyber environment. It utilizes real-world cyber threat scenarios that teach users how to adapt to the changing landscape of cyber threats. The ADI Cyber Range can be customized on your premises or remotely accessed from anywhere in the world.

Training Proficiencies

▶ **Knowledge Base:** A centralized database containing current information and material on cyber security.

▶ **Security Challenges:** Assigned to provide hands-on training through a variety of security topics.

▶ **Dynamic Exercises:** Real-time competitions between multiple players (attackers: red and defenders: blue).

▶ **Modeling and Simulation:** Provides the capability to create customizable IT/OT virtual network environments, from a single server or piece of hardware to an entire IT/OT/physical network. The ADI Cyber Range also provides the capability to connect physical hardware to this virtualized environment for a truly real-life modeling and simulation environment.

▶ **Student Assessment:** Advanced measuring of student performance from initial assessment to live scoring on all challenges and exercises the student participates in.
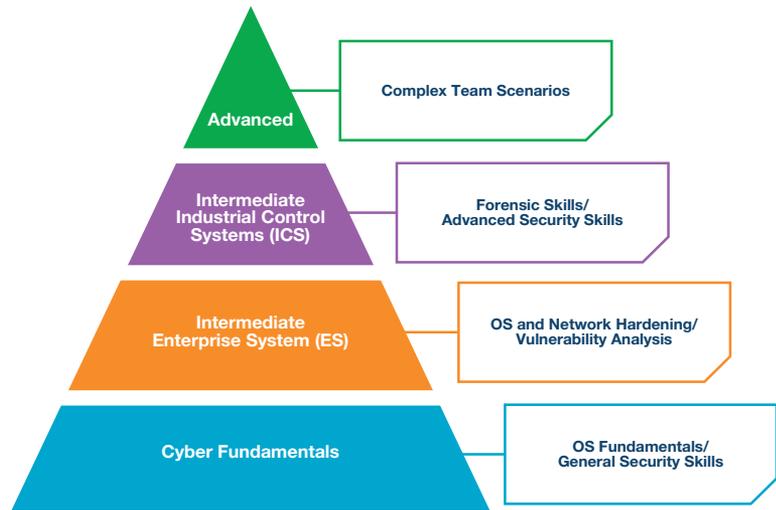
"The ADI Cyber Range offers a unique solution with convenient and continuous access to realistic hands-on cyber security-training scenarios coupled with foundational training."

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With the ADI Cyber Range Your Cyber Operators Will Gain Skills In:

- Incident response tiers 1, 2, and 3
- Traffic analysis
- Defense in depth
- Malware analysis
- Penetration testing
- Vulnerability analysis
- Digital forensics
- Cyber cross-sector

They Will Also Learn Cyber Fundamentals Such As:

- Application security
- Cryptography
- Networking
- Web security
- Reverse engineering

Advanced — Complex Team Scenarios

Intermediate Industrial Control Systems (ICS) — Forensic Skills/ Advanced Security Skills

Intermediate Enterprise System (ES) — OS and Network Hardening/ Vulnerability Analysis

Cyber Fundamentals — OS Fundamentals/ General Security Skills

Applications and Services

Configuration/Change Management

- Architect and engineer entire networks
- Software can be configured to your organization's existing network configuration
- Test and validate firmware and software patches prior to deployment

Threat Emulation

- Replicate TTPs of threats in a safe environment
- Utilize these TTPs to identify any vulnerabilities to security settings on networks and systems and develop mitigation strategies
- Integrate 3rd party products to provide virtualized network traffic capability with up-to-date threat emulations

Organizationally Defined Assessments

- Assess readiness of your organization
- Your organization can design its own internal training to supplement existing training and validate individual and team performance

Test and Evaluation

- Conduct vulnerability assessments and penetration testing to validate network and systems, and to ensure they are resilient
- Ensure networks meet all required standards prior to certification and accreditation

Exercises

- Increased proficiency in team-based responses
- Real-time exercises that integrate the newest threat scenarios in order to keep cyber defenders ahead of the latest cyber adversaries

Certifications/Training

- Incorporate training for industry-standard certifications (CISSP, CCNA, CEH, etc.)
- The knowledge base can act as a reference library
- Instructor/supervisor can monitor cyber defender's progress and overall performance

Modeling and Simulation

- Model entire IT/OT networks with physical devices and integrate process flow to test TTPs
- Utilize IT/OT and physical models during major training events to emulate networks

Cyber Readiness Centers

- Allow for realistic attack and defend exercises that further enhance the skills of cyber defenders
- Build cohesion of teams by turning cyber security into a team sport

Deliverables

Customized System On-Site

Our experts will help architect, install, and configure a full system on your location, giving you all the capabilities of the ADI Cyber Range. This includes your choice of hardware, software, and licenses for all ADI Cyber Range applications.

On-Site Deliveries

Our cyber security instructors will travel to your location and execute workshops, training sessions, simulations, and assessments that meet your specific training requirements.

Remote Access Deliveries

All our training sessions and exercises can be delivered by remotely accessing one of our Cyber Range systems from anywhere in the world.

Want to know more?

Please contact *cyberrange@analog.com*

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