

# CYBERSPEAR

**Simulated production environment  
for adversarial response**

## OUR APPROACH

Leidos' AI-driven cyber defense solutions are designed to move beyond mere response to anticipate, adapt and act preemptively. These solutions embody the essence of advanced intelligence, transforming traditional cyber defense into a proactive, resilient and adaptive strategy. CyberSPEAR is a cutting-edge cyber range that simulates realistic enterprise environments for secure cybersecurity training. It enables up to 12 SOC team members per session to collaboratively counter advanced threats like ransomware, insider attacks, and zero-day vulnerabilities through instructor-led simulations. With customizable network topologies and attack scenarios, CyberSPEAR emphasizes blue team activities, offering hands-on experience in threat detection, forensic analysis and security protocols. This platform sharpens skills, tests defense strategies and enhances SOC readiness—all without risking live systems.

CyberSPEAR delivers realistic simulations of informational technology (IT) and operational technology (OT) networks, including cloud and hybrid environments, for impactful training. Participants use enterprise-grade tools in hands-on scenarios to validate skills and team capabilities aligned with DoD 8140, the U.S. Department of Defense's Cyberspace Workforce Qualification Program.

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**Enhancing cybersecurity  
readiness through realistic  
simulations**

# EMPOWERING YOUR MISSION

In today's digital landscape, the threat of cyberattacks presents significant challenges for organizations no matter the industry or government organization. CyberSPEAR training programs are mapped to the National Institute of Standards and Technology (NIST) National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework to support alignment with industry best practices. This helps organizations identify gaps in their workforce capabilities and aligns training to real-world job roles.

CyberSPEAR provides detailed analytics and reporting tools to track team and individual performance. This supports continuous improvement through feedback, debrief sessions and tailored learning recommendations. Organizations can use automated exercises or instructor-led sessions, with scenarios customized to industry-specific needs. Scenarios are frequently updated, so the training is new and challenging even for experienced teams.

KEY CAPABILITIES	CUSTOMER BENEFITS
Comprehensive enterprise network simulations	Train in cloud-native environments (AWS, Azure) designed to mirror real-world IT/OT networks, with realistic traffic and common communication protocols (HTTP, FTP).
Vendor-neutral toolset	Include integrations with tools like Splunk, ArcSight, IBM QRadar, Palo Alto and Checkpoint to match your organization's toolset.
Scenario flexibility	Select scenarios from ransomware and phishing to custom attack/defense exercises based on evolving threats. Modify or repeat exercises to meet specific security goals or proficiency levels.
Live-fire exercises	Train SOC teams in simulated crisis scenarios where they must detect and mitigate attacks in real time.
Real-time monitoring	Track detection times, mitigation success rates and communication efficiency through live dashboards. Generate detailed postexercise reports with scores and performance metrics.
Tailored threat landscape	Align the scenarios to an organization's threat landscape. CyberSPEAR is suitable for all types of institutions.

Analysts from a federal government customer who have completed CyberSPEAR courses have seen a positive impact on their technical acumen as well as preparedness and confidence in handling real-world cyber threats

CyberSPEAR addresses immediate defensive cyber training needs and contributes to long-term organizational resilience. By fostering a culture of preparedness and continuous learning, organizations can more effectively combat the ever-evolving cyber threat.

## TRAINING COURSES

CyberSPEAR training courses range from a two day fundamentals course to a three day skills enhancement course. Leidos also offers CyberSPEAR as a monthly sustainment course that is tailorable for specific training needs. All the courses support teaming and can be split between shifts. On many Leidos contracts this training can be ordered via a task or delivery order. Contact your Leidos Program Manager for more details.

## FOR MORE INFORMATION

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