THE CYBER NETWORK EXERCISE SYSTEM: TRAIN AS YOU FIGHT!

Available from anywhere in the world, CyberNEXS™ delivers a live, realistic environment that prepares security professionals, network administrators, system administrators, and students to effectively protect and defend critical IT systems against evolving cyber threats.

CyberNEXS™ develops cyber proficiency across defined knowledge, skills, and abilities and fully supports the Cyber Workforce Development Framework promoted by the National Initiative for Cybersecurity Careers and Studies (NICCS) and the National Initiative for Cybersecurity Education (NICE).

TRAIN LIKE YOU WORK
- Train like you work in an environment that can be configured to replicate real networks

SHORTEST PATH TO MISSION READY
- Develop skills and exercise capabilities in a single, flexible ecosystem
- Train anytime, from anywhere
- Learning Management System and Scoring System provide tight integration with training requirements and curricula

COST EFFECTIVE
- Remote Access
- Single environment can be configured to meet spectrum of requirements
- Cloud-based platform allows “pay by the drink” vs. fixed infrastructure costs
- Local or remote administration

Learn
Customer required material, textbook-like, theory courseware injected directly into the CyberNEXS™ system by the customer.

Rehearse
Training sessions, missions, and cyber exercises can be repeated, allowing users to experience multiple challenges and outcomes.

Compete
Cyber exercises, assessments, and exams can be injected directly into the training environment, create a holistic approach where users learn new material, hone their skills, and demonstrate new abilities all in one ecosystem.

CyberNEXS™ training is built on the philosophy of blended learning (learn, rehearse, compete) in parallel with the knowledge, skills and abilities cyber workforce development framework.
With a cloud application infrastructure, CyberNEXSTM can automatically provision single virtual machines and entire networks.

**Dynamic Exercises**

Multiple players and teams compete in real-time through multiple scenarios. Players are required to obtain control and defend network and infrastructure components by utilizing skills developed throughout the challenges:

- **Attack**
- **Capture the Flag**
- **Pen Testing**

**Modeling**

The virtual environments in CyberNEXSTM can be customized to simulate a real-time, tactical environment that mirrors an operational environment. This provides an effective, realistic test bed for attack and response testing, forensic investigators, and hands-on training in a safe environment without the risk of proprietary data loss or impact to the operational network.

**Scoring**

The scoring design with in CyberNEXSTM is flexible—scoring profiles can be tailored to emphasize learning objectives and assess both individual crew mission qualification and readiness. Scoring results from exercises are integrated and stored inside the learning management system (LMS).

CyberNEXSTM feeds data for individual users and teams into the LMS to track progress and provide follow-on training modules for continuous skill building. The LMS includes an electronic database for record keeping, trend results.