



Next-Generation Cyber Training

Transforming cyber readiness for individuals, teams, and mission-scale operations.

CENTS®, powered by RangeOS, delivers realistic, repeatable, and measurable cyber training — from individual skills to full mission rehearsal. Built for DoD, federal, enterprise, and academic teams.

Enterprise-Realistic Training:

- Full-fidelity replicas of modern enterprise networks, cloud architectures, and adversary activity
- User-behavior emulation that mirrors how real organizations operate

Automated Orchestration:

- Build, deploy, and tear down ranges in minutes vs. weeks
- Cuts engineering overhead by 50%
- Automated topology generation, scoring, and resets

Scale & Deployment:

- 160+ concurrent ranges with consistent performance
- Cloud, on-prem, hybrid, or air-gapped for any classification level
- Mission training alignment to NICE / DoD 8140 work roles

Measurable Performance Feedback:

- Provides quantifiable performance insights via built-in analytics, event replay, and readiness scoring

Automation. Scale. Open Architecture.

RangeOS is the orchestration layer behind every CENTS deployment.

RangeOS: The CENTS cyber range operating system

RangeOS is the cyber range operating system that automates, scales, and secures every training environment. It transforms cyber ranges into repeatable, high-performance training assets—reducing cost and complexity while accelerating time to readiness.

Built on a modular, Kubernetes-based design with secure multi-tenant isolation, RangeOS provisions environments on demand across cloud, on-prem, and bare-metal—without VMware licensing costs. API-driven extensibility integrates cleanly with SIEM, SOAR, EDR, ticketing, and analytics tooling already in your stack.

RangeOS Capabilities:

- Provisions on cloud, on-prem, and bare-metal
- Containerized, virtualized, and hybrid assets
- OpenStack and open-source hypervisors—no VMware costs
- Multi-tenant isolation with zero data bleed
- Real-time instructor and operator dashboards

Core Capabilities:

- **Individual Training:** Hands-on labs, automated scoring, certification alignment
- **Collective Training:** SOC, hunt, IR, and red/blue team scenarios with live instructor control
- **Mission Rehearsal:** Customer network replicas, real adversary TTPs, full event replay
- **Content & Scenario Ecosystem:** Pre-built labs, drag-and-drop scenario builder, LMS/LRS integration

Outcomes That Matter:

- Faster path to readiness in true-to-life environments
- Operational confidence against real adversary TTPs
- Lower total cost of ownership through automation and orchestration
- Repeatable, defensible evaluation across every event
- Quantifiable insights via analytics and event replay

