SPECTEROPS
Creators of BloodHound

DATASHEET

Turnkey Enterprise-Scale Capture the Flag Ranges

Train Security Teams on Real-World Attack Scenarios

Security teams need hands-on experience defending against real-world attack paths to recognize and quickly respond to attack behaviors in production environments. Traditional training platforms fall short, offering condensed scenarios that fail to replicate enterprise complexity or scale.

Designed by leading attack path exploitation experts and informed by knowledge gained across thousands of client engagements, SpecterOps delivers Capture the Flag (CTF) ranges that train security professionals through realistic, hands-on detection practice. **Our enterprise-scale ranges validate your team's readiness under production-like conditions—delivering the complexity and scale defenders must be prepared to face.**

The SpecterOps Difference

Expert-Built Challenges

Attack scenarios designed by security experts who execute these attacks in real client environments; meaning every challenge represents proven attack paths from actual engagements—our "greatest hits" of enterprise compromise techniques.

Production-Like Scale and Complexity

Our ranges are significantly larger and more complex than traditional CTF providers; mirroring real enterprise networks with diverse technology stacks and multi-system traversal challenges that test practitioner reasoning under realistic conditions.

Complete Turnkey Experience

Fully managed ranges with web portals, leaderboards, hint mechanisms, and SLA-backed support with scalable concurrent instances. Organizations focus on training, not infrastructure management.

- **4,200+**
  CTF participants
- **300+**
  Fortune 500 and government customers across defense, finance, healthcare, and technology inform the tradecraft behind every scenario
- **1,000+**
  offensive security engagements executed
- **10,000+**
  students trained in adversary tactics by our expert practitioners

Real Attack Paths, Real Detection Skills

Security teams gain practical experience identifying attack behaviors across beginner-to-expert scenarios covering initial access, privilege escalation, lateral movement, web application exploitation, and cloud infrastructure compromise. Dozens of ready-made scenarios are available, with custom scenario development available to fit your needs.

Organizations use our ranges for team upskilling and security team recruitment, enabling employees to develop and demonstrate offensive security skills—then deploy ranges as certification gates, track performance over time, and validate training effectiveness.

Fully managed delivery includes web portals with leaderboards, hints, and group training sessions.

From Training to Operations

Organizations can extend CTF skills into operational capabilities through our services and training offerings, building sustainable programs with expert guidance, documented processes, and measurable security improvements.

Learn more at specterops.io/services.

Beyond the Range: Continued Development

Extend your team's capabilities with training developed by the same front-line practitioners who conduct our engagements, bringing real-world experience into every course. We offer live public and private courses, on-demand workshops and custom curriculum development.

Live Adversary Tactics Courses

- Detection
- Identity-driven Offensive Tradecraft
- Red Team Operations
- Tradecraft Analysis

Live Adversary Perspectives Courses

- Active Directory
- Azure

Getting Started

Whether upskilling security teams or recruiting internal talent, our enterprise-scale CTF ranges deliver the realism and rigor that other platforms cannot match. For organizations seeking comprehensive security programs, our ranges complement our offensive security services, program development, and training offerings.

We also offer **Cyber Ranges for AI, purpose-built to evaluate AI model offensive capabilities, providing significantly larger and more complex environments than those of traditional vendors** to accurately test current models' long-term reasoning limitations.

Contact us to discuss your training needs at specterops.io/contact.

Learn more at specterops.io/training ›

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