

Hosted Cyber Range Solutions

Cloud Range

The World's Leading Cyber-Defense Training Platform

Are you confident your security professionals can defend your enterprise against the world's smartest, most determined hackers? Simply *hoping* they can poses a perilous risk.

As vulnerabilities and attack surfaces increase, hackers, some with the wherewithal of nation states, are more menacing than ever.

Security technologies offer alerts and some protection, but they are not enough.

Your security team is your last line of defense.

Does it have the split-second decision-making expertise to ward off sophisticated attacks?

The Security of Hands-On Experience

With an acute shortage of security professionals worldwide, recruiting combat-hardened experts to anchor your defenses is nearly impossible. You must make do with the people you have. And for them, industry certifications and vendor training will never replace hands-on training.

Just as pilots rely on flight simulators and militaries hold war games, your security team requires live combat drills to be ready for the most heinous hackers. They need to hone their skills and 24/7 preparedness by practicing in simulated network environments against attack vectors. Training ensures they stay sharp, focused, and current.

As Sun Tzu, author of *The Art of War*, said, "every battle is won or lost before it's ever fought."

Premium cyber-defense training is now available. As a service.

Cloud Range: The Military-Grade Network Defense Simulator

Cloud Range, powered by Cyberbit, is the industry's most advanced, simulation-based, cyber-defense training platform. Cloud Range is also the first consumption-based, cyber range-as-a-service offering for enterprises and MSSPs.

Your security professionals will train in the same cyber-range environments used by the U.S. military, MSSPs, and governments worldwide to train their security personnel. They will practice against threats, enhance their teamwork, and harden your security posture, all without the costs of cyber-range infrastructure, technology, and trainers.

The best defense is a prepared defense.

Train In A Virtual Replica Of Your Network

Cloud Range's simulated network allows you to train and test your people, procedures, and technologies in a safe, controlled environment. Your security team will practice in a virtual facsimile of your enterprise network—application servers, database servers, email servers, switches, and routers.

Cloud Range replicates your SOC by including live versions of the security technologies your staff deploys, and features a variety of attack scenarios against which to practice.

Your team will experience hyper-realistic, defensive training led by seasoned security experts. The more life-like the simulation, the more effectively your security team can counter actual incidents and breaches. Around the clock, when the production network is attacked, your people will know exactly what to do.

With Cloud Range, you don't hope your security staff is up to the task; you know.

Preparing for Real-World Attacks

Practicing against attacks empowers your staff with the expertise, coordination, and instant decision-making required when a real attack strikes. Cloud Range has over 20 attack scenarios built-in that mimic actual threats. Attacks can be customized to replicate impending hazards, and can be tailored for specific industries. Cloud Range continually updates its built-in attack scenarios to ensure your security team is always up-to-date.

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Prepare for ICS/OP attacks

Cloud Range also includes an ICS (Industrial Control System) security package for critical infrastructure organizations, which emulates an industrial control network and the most recent ICS/OT attack scenarios.

Use Industry-Leading Tools

In recreating your SOC, Cloud Range features licensed, industry-leading cybersecurity technologies such as IBM QRadar, Micro Focus ArcSight, Splunk, Palo Alto Networks, and Checkpoint. By practicing in a true-to-life SOC with real tools, your people will improve their skills, teamwork, and response times.

Cyber-Defense Training as a Service

Cloud Range is delivered as a service, providing top-tier cybersecurity training as needed. Prepare your security team without the costs of infrastructure and licensing or recruiting highly-skilled trainers.

Cloud Range is offered in both subscription- and consumption-based models, ensuring the flexibility to align training to your security team's scheduling.

FlexRange is a consumption plan that provides Cloud Range sessions for specified numbers of days, as determined by each customer's needs.

Range365 is a flat-fee subscription plan that provides unlimited availability over a year to a dedicated instance of Cloud Range.

Training schedules can accommodate everyone on a security team, a necessity for 24x7 SOCs. Moreover, customers with special needs such as confidentiality concerns can opt to provide their own in-house trainer.

Flexibly Transform Your Security Team into Battle-Tested Defenders

Cloud Range offers training as needed, when needed, at the levels needed, and for the issues needed. Train your staff individually and as teams. Team training ensures strong group dynamics and prompt, effective responses in critical, high-pressure situations. SOC analysts can participate in sessions wherever they are, reducing travel and downtime costs.

Training is tailored for specific roles, skills, and proficiencies. Some staff may need to investigate, for example, while others need to remediate. An initial training baseline for each trainee is created to inform instruction. You can select the content and scenarios used in each session or they can be prescribed by Cloud Range's training experts.

Led by Security Specialists

Training sessions are conducted by advanced security professionals. An instructor is onsite for the first training/orientation session, and will have live video interaction with the trainees for subsequent sessions. Ongoing onsite instructors are optional.

Instructors record training sessions and have play-by-play documentation of each trainee's activities. After each session, trainers can easily fast forward to crucial moments and focus on them with trainees, deepening instruction. Trainees are evaluated and scored, making it easy to track and improve performance and goal achievements.

To learn more:

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Cloud Range at a Glance

- ✓ Advanced, simulation-based, cyber-defense training
- ✓ Delivered as a service
- ✓ Hyper-realistic defensive training
- ✓ Safeguard against real-world attacks
- ✓ Heightened team preparedness
- ✓ Mentor with experienced security experts
- ✓ Train in a virtual replica of your network
- ✓ Practice with industry-leading tools
- ✓ Flexible training models

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Attack Scenarios

Cloud Range scenarios simulate up-to-date attacks in varying levels of difficulty. Cloud Range continually updates its attack scenarios, and trainers can customize and configure them to your needs. Built-in attack scenarios include:

- Ransomware
- DDoS SYN Flood
- SQL Injection
- WMI Worm
- Apache Shutdown
- Trojan Data Leakage
- DB Dump via FTP Exploit
- JAVA NMS Kill
- Java Send Mail
- Web Defacement
- Killer Trojan
- Trojan Share PE
- WPAD Man in the Middle.

About Cloud Range Cyber LLC

Cloud Range Cyber, based in Nashville, TN, is comprised of leading security executives and engineers who identified the need for military-grade simulation training for enterprise security teams. By developing a flexible training solution, enterprise security teams and MSSPs can overcome the skills gap while ensuring that their teams are truly prepared for cyber combat.

Our mission is to make simulation training a standard part of cybersecurity certifications and education, no different than other professions that require hands-on skills development before becoming a functioning practitioner. This allows companies to ensure that their security teams can train, practice, and implement security defense techniques in their organizations to defend production environments.