

Validate Cyber Readiness of Humans & AI Agents

The leading cyber range platform to train, test, and quantify cyber defense performance under real attack conditions

- **Live-fire attack simulations (IT, OT, cloud)**
- **MITRE ATT&CK-aligned scenarios based on real APTs**
- **Measurable readiness metrics and reporting**
- **1,500+ hands-on labs and team exercises**



ENSURE YOUR ORGANIZATION IS READY FOR ANY ATTACK, ANYTIME

Safely validate how human and AI SOC agents perform under real attack conditions

Most security leaders are asked the same question: **Are we prepared?** Few have a clear way to answer it.

Readiness is often inferred from tools, training, or past incidents. But none of those show how your team or AI systems will actually perform during a real attack, under pressure, and with incomplete information, **which is where risk lives.**

Cloud Range addresses this by giving organizations a safe, realistic environment to train teams, run simulations, test plans, and improve readiness over time. Through a fully managed cyber range platform and flexible delivery options, organizations can conduct live-fire scenarios that reflect real-world threats across IT, OT/ICS, cloud, and hybrid environments.

Defenders work together, make decisions under pressure, and execute their response using tools and workflows that reflect their operational environment. AI models and agents can be evaluated in the same scenarios, giving visibility into how they behave alongside human operators.

Performance is measured, gaps are identified, and progress is tracked over time.

Test and validate how your team and systems actually perform and where to focus next.



CLOUD RANGE HELPS CISOS AND SECURITY LEADERS:



Provide a defensible answer to "Are we ready?"

Move beyond assumptions with observed performance across real attack scenarios. 95% of Cloud Range customers report improved readiness following live-fire simulations.



Demonstrate measurable improvement over time

Track progress across missions with consistent, objective performance data. Teams have improved overall incident response time by up to 30%.



Identify the gaps that matter before an attacker does

Surface breakdowns in coordination, decision-making, and execution under real conditions. Regular simulations expose gaps that aren't visible in tabletop exercises alone.



Build confidence in how teams and AI systems respond under pressure

Understand how decisions are made and executed during an attack, not just planned. Simulation-driven training has reduced mean time to detect (MTTD) by up to 66%.



Test and validate in a controlled environment

Evaluate people, processes, and AI systems without impacting production systems. The cyber range platform is a safe, isolated environment that reflects real conditions.

BE READY FOR TOMORROW'S THREATS AND MEASURABLY REDUCE CYBER EXPOSURE

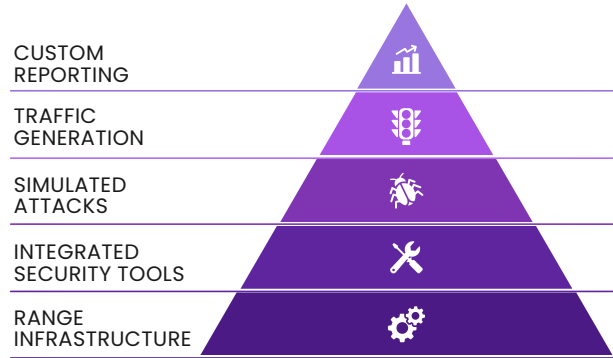
Like pilots train in simulators, cybersecurity defenders need realistic environments and APT-based attacks to improve and validate performance without real-world risk.

Cloud Range provides a fully hosted cyber range platform where organizations can train teams, test response plans, validate technologies, and evaluate AI systems in environments that reflect real-world complexity. Live-fire simulations mirror modern threats across IT, OT/ICS, cloud, and hybrid networks using integrated security tools and scenarios aligned to MITRE ATT&CK frame works.

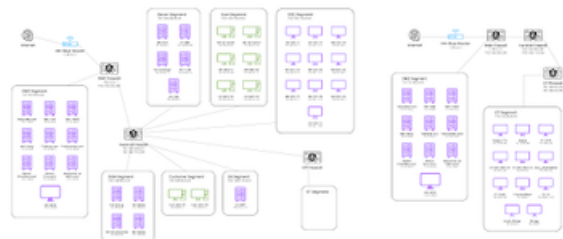
Cloud Range's custom solutions strengthen technical execution, decision-making, communication, and coordination under pressure. Security leaders gain measurable insight into progress, readiness gaps, and where to focus next.

FLEXIBLE. COMPREHENSIVE. QUANTIFIABLE.

- ✔ **Cyber Range Platform** – Your cloud-hosted cyber range can be used to test, train, and evaluate performance of human and AI agents.
- ✔ **Multiple Simulation Formats** – Cloud Range has thousands of simulation options to support a wide range of use cases, including blue team, purple team, red vs. blue, capture the flag, skill development labs, executive tabletops, and runbook testing.
- ✔ **Dynamic Threat Content** – Access a continuously updated library of live-fire scenarios based on real-world attack patterns, including IT and OT/ICS environments mapped to MITRE.
- ✔ **Assessments** – Evaluate aptitude, skills, judgment, and role readiness with objective assessments aligned to the NICE Framework, with individualized development paths available.
- ✔ **Expert Support** – Cloud Range simplifies execution with expert facilitators, instructors, program coordination, range administration, and guided debriefs that turn performance into action.
- ✔ **Performance Metrics and Reporting** – Track individual and team performance with metrics tied to playbook and workflow alignment, response effectiveness, readiness trends, frameworks, and operational improvement over time.



Customize your SOC environment with licensed versions of the same industry-leading security tools that you use every day



Test your people, processes, and technologies in a safe, controlled environment that emulates your enterprise network – including servers, SIEMs, routers, and industrial control systems (ICS)

CLOUD RANGE SOLUTIONS

Comprehensive, Customizable, Cloud-Based Cyber Readiness Programs

Range365™ Cyber Range Platform

Fully Hosted, Cloud-Based Cyber Range Platform

Range365™ is Cloud Range’s flagship cyber range platform, providing organizations with continuous access to a fully hosted, fully managed, cloud-based environment for training, testing, and readiness improvement. Built to reflect real-world complexity across IT, OT/ICS, cloud, and hybrid operations, Range365 combines realistic environments, integrated security tools, expert-developed simulations, and measurable reporting in one platform. Organizations gain the benefits of an advanced cyber range without the cost, complexity, or operational burden of building and managing one internally.

- **24/7/365 access** to your private cyber range environment
- **Fully hosted delivery** with complete management and administration included
- **Live-fire simulations** based on real-world threats and adversary tactics
- **Team-based exercises** for blue team, purple team, red vs. blue, and incident response scenarios
- **Expert trainers available** or choose to use your own
- **Configurable environments** across IT, OT/ICS, cloud, and hybrid operations
- **Integrated security tools** that reflect operational workflows
- **Executive reporting** on readiness, performance, and improvement over time

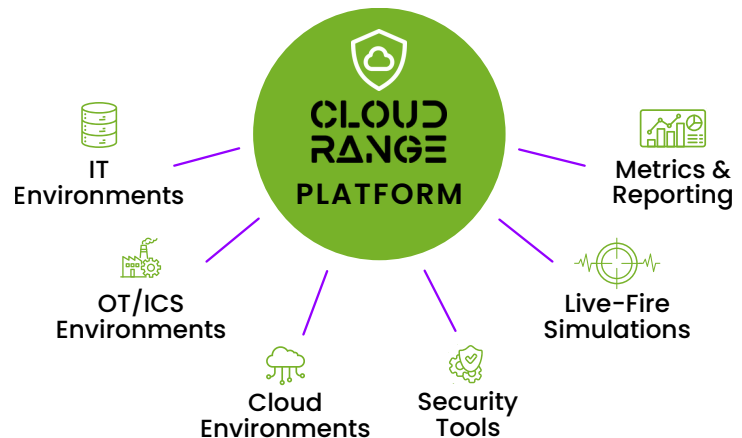
RANGE365 USE CASES

- ▶ Team Readiness Exercises
- ▶ Live-Fire Attack Simulations
- ▶ Runbook Testing
- ▶ Technology Evaluation
- ▶ Product Demonstrations
- ▶ Product Integration Testing
- ▶ Next-Gen Tabletop Exercises
- ▶ Candidate Assessments
- ▶ IT/OT Convergence
- ▶ Skill Development
- ▶ Custom Scenarios

AI Validation Range™

Safe, Controlled AI Testing and Training Ground

AI Validation Range gives organizations a production-safe environment to test, train, and evaluate AI models and agents under realistic cyber conditions before they impact real systems, workflows, or decisions. Built on Cloud Range’s virtual cyber range platform, it helps organizations operationalize AI with greater confidence.



- **Pre-deployment AI model testing** to verify reliability, decision logic, and failure modes
- **Agentic AI training** across detection, triage, investigation, and response workflows
- **Adversarial testing** for hallucinations, unsafe outputs, policy failures, and misuse scenarios
- **Realistic conditions** with enterprise infrastructure, security tools, and IT/OT environments
- **Evaluate AI reliability** when signals are incomplete, contradictory, or deceptive
- **Human vs. AI comparison** in identical scenarios to benchmark performance



Find out what AI does under pressure



Train on real systems – not toy datasets



Evaluate and prove it is safe enough to trust



FlexRange™ Cyber Readiness & Simulation Program

Expert-Led Cyber Range Missions for Ongoing Readiness

FlexRange is Cloud Range's fully managed mission program for organizations that want recurring live-fire simulations led by experienced experts. Teams participate in scheduled cyber range missions guided by Cloud Range Attackmasters™, who coach participants, direct execution, and deliver actionable debriefs after each engagement. Each mission builds technical capability, strengthens communication and collaboration, exposes gaps, and provides measurable insight into how the team performs under pressure over time.

- **Recurring missions** based on your goals, team size, and preferred cadence
- **Attackmaster guidance** with live coaching and expert facilitation throughout each mission
- **Realistic scenarios** based on modern threats across IT, OT/ICS, cloud, and hybrid environments
- **Team simulations** for blue team, purple team, red vs. blue, and incident response workflows
- **Stronger teamwork** through improved communication, coordination, and collaboration under pressure
- **Performance debriefs** with clear feedback, metrics, and improvement priorities
- **Fully managed delivery** with scheduling, execution, and administration handled by Cloud Range



EXAMPLE LIVE ATTACK SIMULATIONS

Ransomware	OT/ICS Reconnaissance
Phishing	Social Engineering
AI-Driven Threats	Lateral Movement
Supply Chain Attack	Bitcoin Mining
DNS Tunneling	Log4J Attack
Website Defacement	Cyber Espionage
OT/ICS PLC Attack	Election Security
Spearphishing	Multi-Stage Attacks

CLOUD RANGE'S CYBER RANGE PROGRAM



FlexLabs™ Cyber Skills Training

On-Demand Cyber Skills Development Platform

FlexLabs are simulation-based, hands-on labs that help individuals build and strengthen practical cybersecurity skills through targeted learning and guided development paths. Available anytime, anywhere, FlexLabs help organizations scale talent development, accelerate onboarding, and support continuous growth. With content ranging from foundational topics to advanced technical challenges, learners gain focused practice that directly supports on-the-job performance.

- **Interactive Content Library** with 1,500+ hands-on labs and learning modules
- **On-Demand Access** available anytime, anywhere
- **Targeted Skill Development** focused on practical cybersecurity capabilities
- **Role-Based Paths** aligned to cybersecurity job functions
- **Certification Prep** for leading industry certifications
- **Faster Onboarding** for new hires and developing team members
- **Progress Tracking** with real-time results and reporting
- **NICE Alignment** mapped to the NICE Workforce Framework



EXAMPLE LABS AND COURSES

- ✓ Web Application Hardening
- ✓ Linux Fundamentals
- ✓ Cryptography
- ✓ Ethical Hacker Essentials
- ✓ Digital Forensics Network
- ✓ Network Essentials
- ✓ Pentesting & Network Exploitation
- ✓ Security Essentials
- ✓ Certification Preparation (CISSP, Network+, etc.)
- ✓ Reverse Engineering Malware
- ✓ Incident Response

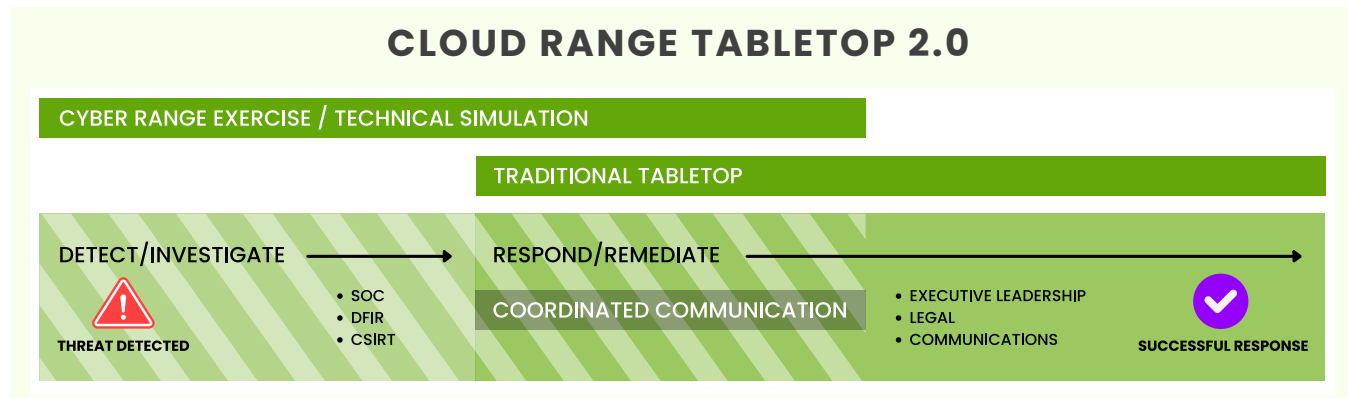
Tabletop 2.0™ Next-Generation TTX

Executive Cyber Incident Exercises with Operational Context

Tabletop 2.0™ takes traditional tabletop exercises further by combining a live-fire cyber attack simulation with executive decision-making sessions. Instead of starting after an assumed, theoretical breach, participants experience how an incident is detected, escalated, responded to, and managed across the organization. SOC teams and technical responders work through a realistic attack scenario in Cloud Range’s cyber range, while leadership teams use the resulting scenario data, decisions, and business impacts to guide communication, coordination, and response planning. Sessions can be conducted together or separately based on organizational needs. The result is a more dynamic, practical exercise that strengthens both technical execution and executive readiness.

- **Operational context** beginning at detection, not after the breach is assumed
- **Realistic attack scenario** with live technical response in a safe environment
- **SOC + leadership alignment** connecting operational actions with executive decisions
- **Better communication** across technical teams, leadership, and stakeholders
- **Full lifecycle practice** from detection through remediation and recovery

CLOUD RANGE TABLETOP 2.0



RightTrak™ + FastTrak™ Assessments

Cyber Hiring and Workforce Readiness Tools

Cloud Range assessments help organizations make better hiring, placement, and development decisions with objective data. From identifying natural aptitude to measuring practical readiness, these solutions give leaders clearer insight into how individuals are likely to perform in cybersecurity roles. Together, RightTrak™ and FastTrak™ help reduce hiring risk, accelerate onboarding, and build stronger teams over time.

- **Better hiring decisions** with objective candidate insights
- **NICE Alignment** mapped to cybersecurity roles and workforce needs
- **Role alignment** based on aptitude, strengths, and job fit
- **Practical readiness data** beyond resumes and interviews
- **Faster onboarding** with targeted development plans
- **Reduced hiring risk** through evidence-based evaluation
- **Stronger talent pipeline** for long-term workforce growth



RightTrak™ Cyber Aptitude Assessments evaluate cognitive strengths and natural aptitude to identify alignment with cybersecurity roles and career paths.



FastTrak™ Candidate Assessments measure practical skills, judgment, and readiness through role-based assessments and real-world tasks.



CLOUD RANGE

REQUEST A DEMO

Contact Cloud Range at
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