



# Simulation-based Learning, Training & Practice Experiences

## CYBER RANGES As A Service

The Best-of-Breed Collection of



Security  
Labs



Simulation  
Playlists



Career  
Paths






POWERED BY  
the next-gen CYBER RANGES Workforce Development Platform

COMPLEMENTED WITH  
a growing library of Videos and Webinars



## Defense Forward

Do you aim at:

-  specializing your team?
-  honing their competencies on specific techniques?
-  skilling junior personnel up?
-  selecting and onboarding new hires?
-  building cyber muscle memory through innovative hacking challenges?



If any of your answers is yes, CYBER RANGES will help you and your people to learn, train and hands-on nurture your abilities in cyber security, whether as beginners with no prior experience or as field hardened cyber defenders looking to keep abreast of attack trends and evolutions.

CYBER RANGES helps your team to develop, accelerate and validate your threat-informed defense capability against the latest attacks for a successful future in cyber security.

**Every nation or organization's cyber resilience begins and ends with its People. Their preparedness as Cyber Defenders is key to deterrence**

### Benefits

As a subscription-based service CYBER RANGES leads the way in simulation training innovation. CYBER RANGES deliver hands-on learning experiences with a high degree of versatility.

**Anywhere**








**Anytime**

**Subscription**

**Pay-as-you-go**

**On-demand**

CYBER RANGES delivers the following benefits:

-  Continuous security competencies development for you and your team at a fixed cost.
-  On-demand security labs anywhere anytime.
-  Several security tracks, objective-based and mapped according to NIST NICE to different security roles and career paths to cover all your competence needs.
-  Visibility of individual and team cyber capabilities always to know about the areas of strength, weakness and improvement of your cybersecurity personnel for active defence.
-  Advanced traffic and attack emulation engine for realistic Blue-and-Red Team training scenarios.
-  Competence-based assessment to support your staff hiring and on-boarding.
-  Testing the response and resilience of your organization against current and future cyber threats.



## Who Uses CYBER RANGES

CYBER RANGES is used by security professionals and organizations worldwide.

Governments use CYBER RANGES to organize national and international cyber security competitions.

The CYBER RANGES Scenario Foundry and Adversary Emulation teams build complex large-scale simulations for world-renowned and sector-wide Cyberdrills, Hacking Challenges and CTFs, all based on the latest threat intelligence.



Since 2017 CYBER RANGES has been used by the United Nations' ITU to assist in the development and delivery of regional cyber drills worldwide

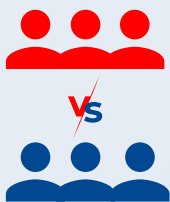
**MITRE ATT&CK** On April 19th 2022, MITRE Engenuity has chosen CYBER RANGES as their cyber range for their MITRE ATT&CK® Defender™ and Purple Teaming 2.0 training programmes.



**600+**  
scenarios

### Huge Number of Security Labs

CYBER RANGES contains hundreds of security deep-dive hands-on labs to address all organizational competency development needs across a wide range of topics and career paths, such as: SOC Analyst, Penetration Tester, Computer Forensics Analyst, Incident Responder, Malware Analyst.



### Red Team vs Blue Team Simulations

CYBER RANGES contains team-based scenarios for Red Team and Blue Team competitive simulations where security professionals can put their skills to the test in a gamified environment.

## CYBER RANGES Advanced Services

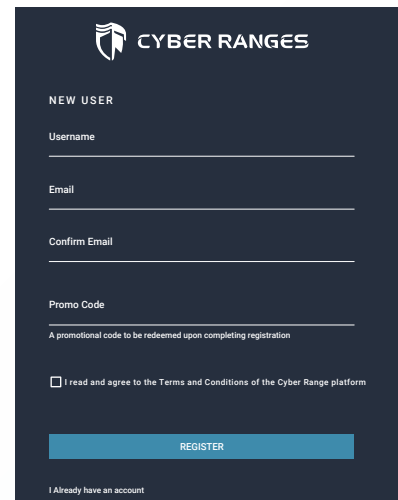
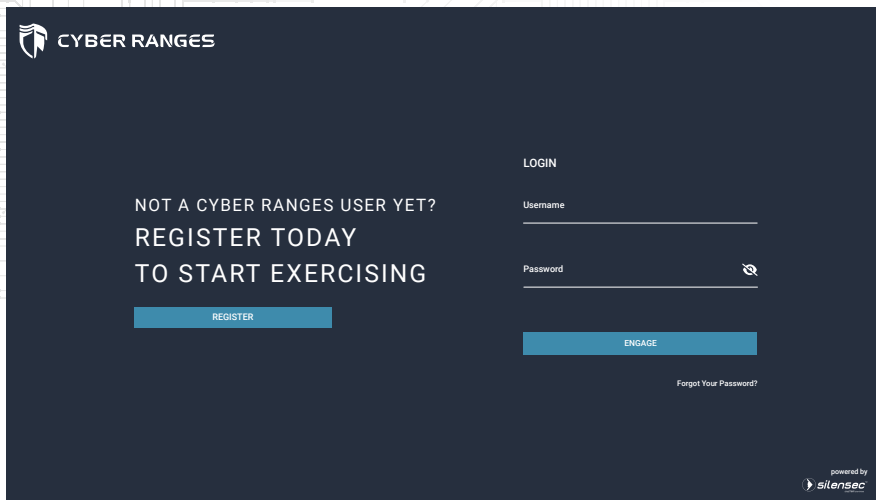
CYBER RANGES can also deliver specialized services based on its unique next-gen cyber range features and functionalities, such as:

- 🔒 Advanced scenarios including APT and cyber threat simulation.
- 🔒 Custom simulations replicating a target organization's infrastructure.
- 🔒 Delivery of cyberdrills and hybrid table-top hands-on simulation exercises.
- 🔒 Large-scale security staff recruitment programmes via hands-on competence assessment.


Security industry experts can partner with CYBER RANGES to branded create simulations and learning paths that align with skill requirements, giving individuals and teams personalized, relevant, deep-dive engaging, competitive training opportunities.





**CYBER RANGES libraries of high-quality simulation scenarios are updated on a regular basis to keep up-to-date with the latest cyber threats and attack vectors.**




## How Does It Work?

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Upon registration to CYBER RANGES at [app.cyberranges.com](https://app.cyberranges.com) users can search for and play a wide range of cyber security simulation labs.
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Once selected the experiences of your interest, you can book them directly in-app via the CYBER RANGES Secure Payment service. Alternatively, you can reach out to the CYBER RANGES Enterprise Sales Team or Market Partners.
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Managers can assign team members to specific learning paths based on competence objectives. CYBER RANGES provides a management dashboard that allows progress monitoring and performance assessment to understand how effectively individuals and teams are learning through the real-life practice-based exercises on CYBER RANGES.
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All CYBER RANGES users are assisted by our SOC 24/7, instructors and security consultants.





# The Catalogue

**Skills Development**

**Career Paths**




**MITRE ATT&CK® Simulations**

**Threat Emulation**

**Community**

**Single Scenarios**

Readily accessible via

-  our Enterprise Sales team
-  our Market Partners worldwide
-  directly in-App



## About Us

CYBER RANGES is the ISO27001 certified next-generation military-grade full-content-lifecycle simulation platform for the validation of threat-informed defense capability and cyber resilience. Built on powerful cloud technology, CYBER RANGES is available as subscription-based, as managed service, as On-Premise and Portable rugged deployment options.

CYBER RANGES applies high automation, high orchestration and high scalability to the delivery of even complex large-audience deep-dive management tabletop and technical exercises based on high-fidelity IT/OT infrastructure replicas. CYBER RANGES fully supports MITRE (PRE-)ATT&CK across its entire cyber range architecture. Through its proprietary Injector Engine CYBER RANGES automatically emulates user traffic and the latest intel-based attacks, APTs and specific tactics and exploits from the MITRE ATT&CK Matrix™.

CYBER RANGES powers the CyberStars™ initiative ([www.cyberstars.pro](http://www.cyberstars.pro)) run in private-public collaboration with national focal points and regulatory authorities from around the world. CyberStars provides a turnkey project package for participating countries to organize national cybersecurity competitions and to participate in international ones, while at the same time meeting the objectives of national cybersecurity strategies in terms of talent growth.

CYBER RANGES actively participates as a key member organization in the European Cyber Security Organization (ECSO) WG5 on Cyber Ranges, Education and Training and Technical Exercises, advancing best practice in the domain of cybersecurity capability and resilience. CYBER RANGES also spearheads the “Top 10 Abilities” initiative, which helps CISOs to focus on pertinent, observable, measurable abilities for the development and assessment of job-specific capabilities in the workplace.

CYBER RANGES is also an active Partner of the Global Cyber Alliance - GCA (New York, Brussels, London) in its worldwide mission to sustain a trustworthy Internet by reducing cyber risk. CYBER RANGES is a founding member of the Canada-based Cyber Security Global Alliance (CSGA). CYBER RANGES is an ecosystem partner of the Quantico Cyber Hub in Virginia.



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