Hacking-Lab Cyber Range

The training, event and assessment platform for applied, realistic cybersecurity

Cybersecurity.
Tailor-Made for You.

Competent

Compass Security deals extensively with the threats posed by cyber criminals, as well as developing protective measures in the fight against cybercrime. Together with universities and technical academies, we continuously develop and improve our hacking, testing and defensive techniques.

Focused

Cybersecurity is our core competence. We focus on the security aspects around digitalization.

Experienced

With more than 20 years' experience in the field, we actively support you around the globe.

Innovative

Compass Security employs more than 50 highly qualified security specialists.

Our products and services are at the forefront of technology. We continuously put all our efforts into developing cutting edge solutions and are constantly enhancing our offering.

Our Services

- Digital Forensic
- Red Teaming
- Incident Response
- Security Review
- Penetration Test
- FileBox Secure Transfer
- Hacking-Lab Cyber Range
- Event & Hackathon
- Training & Certification
- Recruiting & Assessment

Hacking-Lab Cyber Range
Learning from the Black Hats

The *Hacking-Lab Cyber Range* is a platform for realistic, practical cybersecurity training, assessments and events.

The *Hacking-Lab Cyber Range* offers your staff opportunities for continuing education and is ideally suited for cross-training IT professionals to become cybersecurity specialists. Numerous educational institutes, namely high schools, colleges and universities, use the online platform as their cybersecurity course system. The offering is completed by event formats such as hackathons and international CTFs (Capture-The-Flag Challenges), as well as skills assessments and practical professional examinations.

Learning by Doing
Your participants will gain a broad and deep understanding of cybersecurity through guided learning and hands-on practice. They learn to harden and defend IT systems by gaining insight into attackers' methods and applying them in a secure environment.

Treat your employees to continuous training in an individual setup!

24/7 Access to Novel Content
We continuously enhance the platform and create new content in all relevant areas of cybersecurity. Our experts also create customized and exclusive content for your training courses and events.
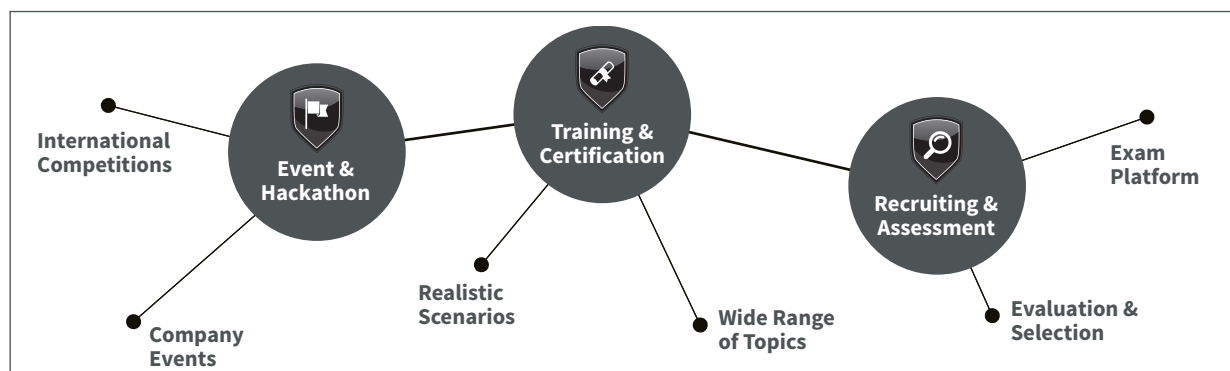
The *Hacking-Lab Cyber Range* is accessible 24/7 via the web without the need for a VPN connection.

Recruiting and Exams
Select competent candidates when searching for security specialists without the need to invent your own assessments. Conduct professional examinations in a practice-oriented, efficient and appeal-proof manner.

Customizable Platform
You can use the *Hacking-Lab Cyber Range* for company-specific, hands-on training sessions. As an educational institute, you can also create and manage your own curricula and events, add individual content, and monitor learning progress and solutions. The multi-tenant platform can even be branded in your corporate design!

International Competitions

Event & Hackathon

Training & Certification

Recruiting & Assessment

Exam Platform

Company Events

Realistic Scenarios

Wide Range of Topics

Evaluation & Selection

Training & Certification
Up to Date or Out of Order?

Cybersecurity is extremely dynamic.
Our training courses keep your employees
up to date and ready for their next challenge.

Cybersecurity trainings sessions are an essential part of continuously improving your IT personnel's skills. Our courses focus on hands-on application alongside with conveying the relevant conceptual frameworks. Awareness for current threats and effective countermeasures are made easily accessible and reproduced practically.

Upskilling existing staff and training them to become cybersecurity professionals is a great way of dealing with the shortage of qualified talent in the market. You can hire applicants with great IT skills and train them in the relevant topics.

Educational institutions from high schools to universities equally use the *Hacking-Lab Cyber Range*. Theory and practical exercises combined are the best way to really help students not just understand but apply the skills acquired.

Your Advantages:
- ✓ On-site or online trainings
- ✓ Tailored courses
- ✓ Focus on attack **and** defense
- ✓ Modular catalog of topics
- ✓ Proven lab environment
- ✓ Conceptual and hands-on content

Professional Training

The very dynamic environment of a company such as Swisscom requires employees to be at the top of their game in IT security. Swisscom uses the *Hacking-Lab Cyber Range* to efficiently identify top talent in their recruiting process.

Regular training sessions on the platform further improve the skills of ramped-up personnel. To motivate employees to stay current, Swisscom organizes CTF competitions to which teams from other companies are invited, leveraging the *Hacking-Lab Cyber Range* broad array of existing content.

Hands-On Lab

The university of applied sciences Brandenburg included the *Hacking-Lab Cyber Range* into their degree programs in 2015. Students work on practical exercises aligned with the concepts lectured on. They work individually and in groups, independent of location and time. Lecturers choose and manage the content they make available to students.

The *Hacking-Lab Cyber Range* is also being used in student theses to practically analyze attackers' methods and find solutions to problems in the realm of cybersecurity.

+41 55 214 41 60   info@hacking-lab.com   hacking-lab.com

Event & Hackathon
Spice up the Learning

We support you in organizing your cybersecurity
events and hackathons or even manage them for you.
Applying one's skills in competitions is fun and motivating.

Competitions are a very important part of the
cybersecurity ecosystem. Good results reflect
superior skills. The *Hacking-Lab Cyber Range*
offers challenges in all the important areas of
cybersecurity on different levels. And of course
we can create tailored content for your event as
well.

Flag-based scenarios can be graded automatically and keep your efforts low. Where required,
write-ups can be submitted in addition, allowing
participants to give better insights into their
processes. Online scoreboards visualize progress
and further motivate participants to do their best.

Your Advantages:
- ✓ Different CTF modes
- ✓ Immersive Attack / Defense module
- ✓ Content for different levels
- ✓ Tailor-made content possible
- ✓ Configurable online scoring and ranking
- ✓ Proven in many (international) competitions

Austria Cyber Security Challenge

The Austria Cyber Security
Challenge takes place as part
of the IKT security conference,
which attracts decision makers
from armed forces, business,
and politics each year. The competition runs on the
Hacking-Lab Cyber Range and offers young talents
the chance to prove their skills and even to qualify
for the European finals.

Global CyberPeace Challenge

The CyberPeace Foundation's vision
is to build a collective resilience
against cybercrime. Among other
things, the foundation organizes the
Global CyberPeace Challenge, which
consists of three parts:

- CyberPeace Policy & Strategy Challenge
- Peace-a-thon
- Capture-the-Flag Challenges (IT/OT)

The *Hacking-Lab Cyber Range* in cooperation with
Palo Alto Networks has been responsible for the IT
CTF event. Some very hard challenges were created
specifically for the more than 3,000 participants
expected.

Recruiting & Assessment
Hire Sound Sleep!

Hiring a cybersecurity professional means making a very important choice. Don't rely on paper-based tests, use the *Hacking-Lab Cyber Range* to assess your applicants' skills practically.

Good cybersecurity specialists are in great demand and highly paid. This makes it all the more important to get detailed understanding of your applicants' skills. An assessment in the *Hacking-Lab Cyber Range* provides you with the insights required to make a well-founded decision.

Applicants solve practical tasks tailored to the specific requirements of your organization. These can be selected from the large pool of existing tasks, or can be created according to your needs.

The platform has also been used very successfully as an examination platform by educational institutions. It provides test takers with the identical proven lab environment, while also employing anti-cheating mechanisms to keep things fair

Your Advantages:
- ✓ Tailor-made assessments
- ✓ Skills audits for personnel development
- ✓ Exam platform for education
- ✓ Hands-on tasks
- ✓ Easy-to-understand reports
- ✓ Anti-cheating mechanisms

Examination Platform

Bildungspartner ICT Berufsbildung Schweiz

ICT-Berufsbildung Schweiz is the driving force behind ICT competencies in vocational education and training. The association is responsible for the Swiss federal vocational qualifications in IT and mediamatics and is the examination body for the federal certifications in ICT security.

Candidates for the federal diploma of higher education in cybersecurity complete a five-hour practical examination on the *Hacking-Lab Cyber Range*. It simulates real-world situations and threats. The candidates are faced with attacks and vulnerabilities that they must defend against and fix.

Specialist Recruitment

State actors, who wish to remain unnamed, use the *Hacking-Lab Cyber Range* to evaluate candidates for their cybersecurity programs. They benefit from its customized content.

Candidates applying for positions remain anonymous on the platform, and can only be linked to a real person by the recruiters.

Contact

Representatives

Ivan Bütler
Managing Director
+41 55 214 41 62
ivan.buetler@
hacking-lab.com

Locations

Jona
Hacking-Lab AG /
Compass Security
Werkstrasse 20
CH-8645 Jona
+41 55 214 41 60

Zürich
Compass Security
Weststrasse 50
CH-8003 Zürich
+41 44 455 64 10

Bern
Compass Security
Ahornweg 2
CH-3012 Bern

Berlin
Compass Security
Tauentzienstraße 18
DE-10789 Berlin
+49 30 21 00 253-0

Toronto
Compass Security
480 University Avenue,
Suite 1500
CA-Toronto, ON M5G 1V2
+1 647 696 7030

Contact us for more information!
info@
hacking-lab.com

hacking-lab.com