usd HeroLab

WE HAVE PROVIDED TECHNICAL SECURITY ANALYSES TO COMPANIES FOR MANY YEARS

usd HeroLab ties together the broad technical security expertise of usd AG. Our highly trained security analysts, security researchers and developers work here. Our security experts have excellent technological knowledge and many years of experience in testing IT systems, network components, servers, clients and applications. Our standardized, repeatable and comprehensible approach consistently provides high-quality results. Together with our service management organization, we offer you managed security services from a single source. Security Research is just as important for our work as is building a security community to promote a sound exchange of knowledge. We have a responsibility. Our monthly Security Advisories, our teaching assignments at universities and public events held at CST Academy are examples of this.

SECURITY RESEARCH

We analyze attack scenarios, which are changing constantly, and publish a series of Security Advisories on current vulnerabilities and security issues - always in line with our Responsible Disclosure Policy. Our offices at Neu-Isenburg accommodate 100 workstations, forensics and test laboratories, a Faraday cage and several think tanks in a space of approximately 2,000 square meters.

OUR SERVICES

As a full service provider, we discover vulnerabilities, assess risks and give recommendations. In a free initial consultation, we will talk about your goals, environments and potential risks. Only afterwards will you receive an offer that is truly tailored to your needs.

- SECURITY SCANS
- PENTESTS
- PCI PENTESTS
- PCI SECURITY SCANS
- INCIDENT RESPONSE & DIGITAL FORENSICS
- CODE REVIEWS
- SECURE APP
- LIVE HACKING
- VULNERABILITY MANAGEMENT
- ORGANISATIONAL CONSULTING

YOU HAVE A LARGER ENVIRONMENT?

Our Pentest Service Management will support you in preparing for and conducting your pentests - via our platform usd Security Connect. Optional remediation services can be implemented here and integrated into your processes. The basis for an efficient process and vulnerability management is the integration of the platform into your company. Your assets, primary contacts and the status of your pentests are displayed here. We are happy to support you during the rollout and train your employees if desired.

THE WAY WE WORK

OUR TEAM

Our team of highly qualified security analysts are certified according to internationally recorgnized standards and have extensive experience working on international projects. Each team member undergoes contiuous training and specializes in an expert field; this way we combine expertise from different subdisciplines of IT security. Together with our Pentest Service Management Team, we guarantee you managed security services from a single source - integrated into your organization.
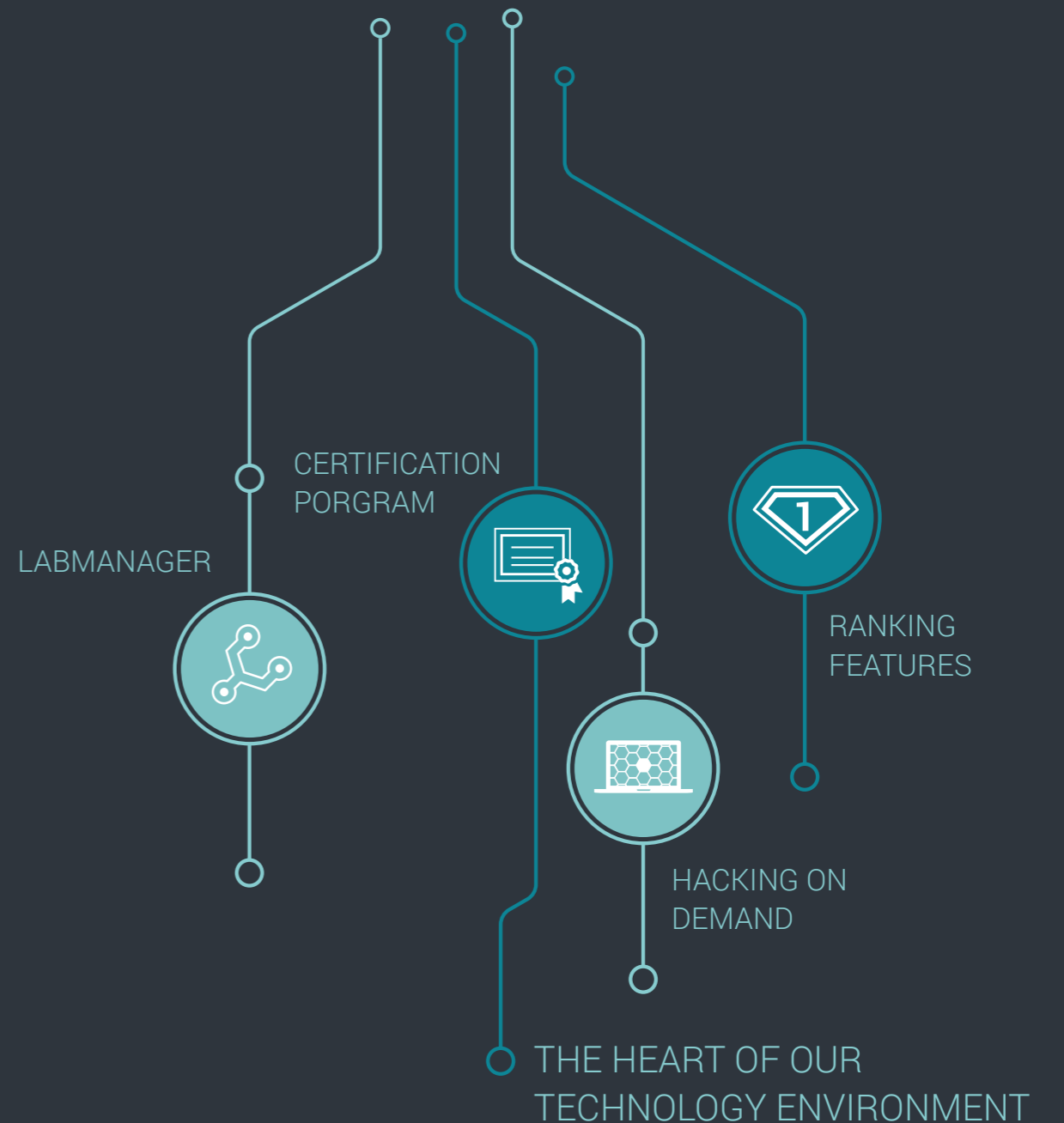
PROVEN APPROACH

International standards and many years of experience are the basis of our approach, guaranteeing efficiency and quality. NIST SP800-115 specifications, PCI DSS requirements and recommendations of the German Federal Office of Information Security (BSI) and the Open Source Security Testing Methodology Manual (OSSTMM) are taken into account. Our Pentest Service Management supports you throughout your entire pentest project.

EFFICIENCY & QUALITY

The high degree of automation of our processes and the excellent know-how of our security analysts ensure the high quality of our work. We use tools developed and quality assured in-house as well as tools from internationally recognized manufactures. This allows our security analysts to carry out their tests even more efficiently and comprehensively and leaves more time for targeted, manual analyses.

THE PENTESTLAB

CERTIFICATION PORGRAM

LABMANAGER

RANKING FEATURES

HACKING ON DEMAND

THE HEART OF OUR TECHNOLOGY ENVIRONMENT

With a constantly growing number of preconfigured server environments, different technologies and vulnerablities, the usd PentestLab represents our training, research and event environment.

OUR TOOLS
& PLATFORMS

We place the highest demands on the quality of our work. To ensure that security analyses are always carried out with a high degree of efficiency and quality, our own tools are subject to strict quality management and optimization processes, always taking into account the findings of our research.

usd SECURITY CONNECT

Our platform for joint process and vulnerability management.

The platform features asset import, assignment of responsible persons, a secure role and user concept, booking of security analyses, customizable reports and dashboards, detailed view of identified vulnerabilities and remediation processes as well as an integrated service management. Joint action. Transparent, secure and efficient.

usd ICEBREAKER

Analysis tool for all team members.

usd Icebreaker combines the best publicly available tools and usd in-house developments for security analyses of systems and applications. Our knowledge database for a consistently high quality level of your security analyses.

usd ExPeRT

Supports all team members with planning and collaborating on a project.

Mapping of our long-standing proven internal processes for pentests and security analyses. Integrated checklists for verifiable, consistent and high-quality project execution.

usd REPORTING TOOL

The results of our analyses prepared for you

Receive consistent high quality reports. Identified vulnerabilities are explaibed in detail and threats and potential impacts are described. For each vulnerability, you receive recommendations for a fast and verifiable remediation.

OUR RESPONSIBILITY

OUR APPROACH TO KNOWLEDGE

We are aware of the importance of our work and our responsibility. Without exception, our security experts are subject to contractually binding confindentiality agreements, are bound by the Code of Ethics of the EC Council and have a certificate of good conduct that is updated once a year. We always act in accordance with the principles of our Responsible Disclosure Policy, which stipulates our responsible handling of newly-discovered (0-day) vulnerabilities.

HIGHEST DEMAND ON OUR COMPETENCE

The consitently high quality of our work requires structured and efficient introduction to our processes and tools. To this purpose, our best analysts and Forensic experts have developed the HeroLab Onboarding Program in recent years. At the end of this porgram, there is a comprehensive final examination with the highest demands on methodical ability, creativity and endurance in a market comparison: the „usd HeroLab Certified Professional", UCP for short. Only those who achieve this certification work independently in customer projects. Through these high requirements and our continious improvement of the program as part of our quality management, we guarantee excellent resulty for our customers.

EDUCATIONAL CONCEPT
usd HEROLAB CERTIFIED PROFESSIONAL

UCP
usd HeroLab
CERTIFIED PROFESSIONAL

1	2	3	4
BASIC TRAINING	SPECIALIZATION	QUALIFYING EXAMINATION	UCP

BUDDY

CERTIFICATIONS

INTERNATIONALLY RECOGNIZED STANDARDS

All HeroLab security experts are certified according to „usd HeroLab Certified Professional" (UCP) and internationally recognized standards, including:

OSCP
Offensive Security Certified Specialist

OSCE
Offensive Security Certified Expert

SANS FOR408:
Windows Forensic Analysis

SANS SEC504:
Hacker Tools, Techniques

EXPLOITS AND INCIDENT HANDLING

SANS SEC575:
Mobile Device Security

CEH
Certified Ethical Hacker

CISA
Certified Information Systems Auditor

CISM
Certified Information Security Manager

ITIL
IT Infrastructure Library

CONFERENCES

Presentations, keynotes, live hacking demonstrations or knowledge exchanges with other leading experts in our industry – we get involved in many ways.

- DEF CON (Demo Labs)
- E-Finance Lab security conference
- PCI SSC Global Executive Assessor Roundtable (GEAR)
- Annual conference Olympischer Sportbund security presentation
- Vodafone Security Day
- Chaos Computer Club
- MasterCard security conference
- VOICE Security Forum CEBIT
- Arbeitskreis Sicherheit der EURO Kartensysteme GmbH

- Arbeitskreis Sicherheit Kredit und Debitkarten in Deutschland
- Awareness Konferenz für DRV Deutscher Reiseverband
- Take Aware – Security Awareness Conference
- MT-Connect

ABOUT usd AG

WE PROTECT COMPANIES AGAINST HACKERS AND CRIMINALS.

We protect companies against hackers and criminals. Our work is as dynamic and diverse as the threat itself. As an accredited assessor, we advise and certify companies worldwide according to the specifications of the credit card industry. The experts at usd HeroLabs identify vulnerabilities in IT systems and applications. Our security consultants advise companies holistically on information security, risk management, and IT compliance. The Cyber Security Transformation Academy (CST Academy) promotes exchange and knowledge transfer within the community. more security is our mission.

more security. **usd**

usd HeroLab

PCI SECURITY SERVICES

We advise companies and conduct assements according to the international security standards of the credit card industry (PCI).

- Scope Workshop
- Gap Analysis
- PCI Security Scans
- PCI Pentests
- Policy Templates
- Consulting
- Internal Reviews
- Firewall Reviews
- Security Awareness
- On-site and Off-site Assessments

SECURITY ANALYSIS & PENTESTS

As a full service provider, the usd HeroLab finds vulnerabilities, assesses risks and makes recommendations.

- Security Scans
- Pentests
- PCI Pentests
- PCI Security Scans
- Digital Forensics
- Code Reviews
- Secure App
- Live Hacking
- Vulnerability Management
- Organizational Consulting
- Red Team Pentesting
- Security (Controls) Audits

SECURITY CONSULTING

Our interdisciplinary team of security consultants provides support where it is needed. The first step is a dialogue with you.

- ISMS Conception, consulting, implementation
- CISO/ISO Interim Management
- IT Compliance
- Risk Assessments
- Security Audits
- Technical Consulting

PCI SSC ACCREDITATIONS

usd AG has been operating worldwide as an officially accredited assessor by the PCI Security Standards Council for all relevant standards of the payment card industry since 2004. The following accreditations are part of our portfolio:

QUALIFIED SECURITY ASSESSOR

PAYMENT APPLICATION
QUALIFIED SECURITY ASSESSOR™

POINT-TO-POINT ENCRYPTION™

3DS ASSESSOR

APPROVED SCANNING
VENDOR™

QSA
QUALIFIED SECURITY ASSESSOR
Lincensed in: Europe, USA, CEMEA

PA-QSA
PAYMENT APPLICATION
QUALIFIED SECURITY ASSESSOR
Lincensed in: Europe

P2PE QSA
POINT-TO-POINT ENCRYPTION QSA
Lincensed in: Europe

P2PE PA-QSA
PAYMENT APPLICATION
QUALIFIED SECURITY ASSESSOR P2PE
Lincensed in: Europe

PCI 3DS ASSESSOR
Lincensed in: Europe, CEMEA

ASV
APPROVED SCANNING VENDOR
Lincensed in: Global

CST ACADEMY
CYBER SECURITY TRANSFORMATION

Together with experts from the worlds of business, science and politics, the CST Academy is dedicated to building competence and promoting knowledge transfer in the field of cyber security - open to all those who wish to get involved by sharing their knowledge and experience with others. Powered by usd AG, the CST Academy invests in standardized training and education programs that merge business best practices with scientific findings, catering to both experts and students of cyber security.

EVENTS
& OPPORTUNITIES

- CYBER SECURITY FORUMS
  & YOUNG CONNECT @ CST
- HACKING NIGHTS & HACKER DAYS
- CONSULTING DAYS
- PCI BEST PRACTICE WORKSHOPS
  & IT SECURITY SEMINARS
- USD HERO NIGHTS
- PROJECT ROOMS &
  INFRASTRUCTURE
- PLATFORM FOR COMMUNITY

PARTNERSHIPS & EDUCATION

In order to protect businesses against hackers and criminals effectively, we must ensure that our skills and knowledge are up to date at all times. That's why security research is just as important
for our work as is building a security community to promote an exchange of knowledge. Because more security can only be achieved if many people take on the task.

PARTNER TO LEADING INSTITUTES

- CAST
- CRISP
- Allianz für Cybersicherheit

ACTIVE IN RESEARCH

SECURITY ADVISORIES

The usd HeroLab publishes a series of security advisories on current vulnerabilities and security issues. Always in the name of our mission: "more security".

BIOMOBILE II

Biometric speaker recognition on smartphones for mobile banking and payment methods.

KMU AWARE

Development of innovative security awareness measures for small and medium-sized businesses.

Gefördert durch:

Bundesministerium
für Wirtschaft
und Energie

IT-Sicherheit
IN DER WIRTSCHAFT

aufgrund eines Beschlusses
des Deutschen Bundestages

COMMITTED TO TEACHING

HACKER CONTEST
& IT SECURITY SEMINARS

- Goethe Universität Frankfurt
- Technische Universität Darmstadt
- Hochschule Darmstadt
- Hochschule Mainz
- Technische Universität München

REFERENCES

We work with clients in all industries. Our expertise with banking and financial services, tourism and airlines, IT services, retail and e-commerce is particularly extensive. Leading acquirers use our PCI platforms for thousands of their merchants.