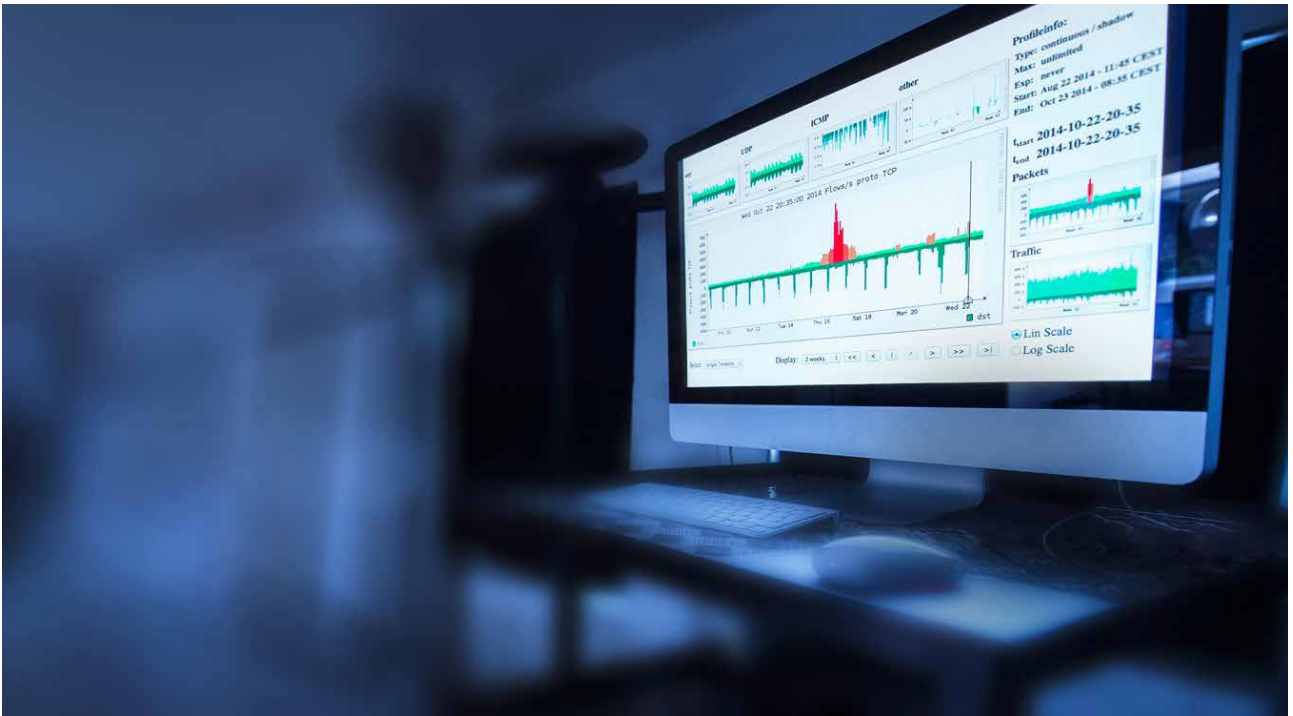


SWITCH-CERT for Banks

Detection, Incident Response & Trusted Information Sharing



SWITCH

SWITCH – the Swiss Internet pioneer

SWITCH stands for better performance, convenience and security in the digital world. Based on its core competencies in networks, security and identity management, SWITCH works in partnership to develop ICT solutions for users inside and outside academia.

SWITCH-CERT – a leading national centre of expertise

SWITCH has been working hard to make the Internet a safer place for more than 20 years and is one of the leading Swiss organisations for local threat intelligence, detection and incident response. SWITCH-CERT sets itself apart in a number of ways:

- local threat intelligence and detection based on monitoring, malware analysis and correlation from a variety of sources
- a track record stretching back some ten years as CERT for a number of Swiss banks
- extensive experience in managing and moderating trusted communities at the highest level of trust
- a national and international network of partnerships and CERT communities built up systematically over 20 years and actively nurtured
- its own data network for the Swiss academic community with around 400,000 users as a basis for monitoring
- a unique combination of CERT and ccTLD registry

This makes SWITCH the ideal partner for Swiss financial companies when it comes to local threat intelligence, detection and incident response. SWITCH-CERT supports the financial sector in two key tasks: fighting cybercrime and ensuring compliance.

Swiss threat landscape

Detailed threat information collected by monitoring the Swiss academic network with over 400,000 users.

Unparalleled network

Over 20 years of active engagement in national and international CERT communities.

A leading national centre of expertise for threat intelligence, detection and incident response

Detection & threat intelligence

- Identifying threats specific to Switzerland and banks from our own monitoring and malware analysis
- Correlating and supplementing our own threat intelligence with information from a wide range of international sources in our global network that are not publicly accessible
- Operating a platform for sharing indicators of compromise (IoCs) between SWITCH and banks as well as between banks
- Guaranteeing high information quality (minimising false positives for clients)

Incident response & mitigation

- Providing direct access to one of the biggest CERT organisations in Switzerland with 15 proven experts
- Collaborating efficiently at the international level thanks to direct, informal contact with CERTs in other countries (eliminating the need for judicial assistance procedures)
- Observing a domain abuse process when phishing and malware distribution are discovered
- Fostering long-standing cooperations with internal and external stakeholders (law enforcement, regulators, other authorities, ISPs etc.)
- Defining technical measures to defend against attacks, e.g. changing web application firewall settings, and providing instructions for their implementation

National centre of competence

SWITCH-CERT clients have a direct line to a local team of 15 experts.

Neutral and transparent

SWITCH is a non-profit foundation with no ties to specific manufacturers or suppliers.

Success through collaboration

The professionalisation of cybercrime, combined with the growing trend towards digitalisation, means that the threat landscape is highly dynamic. The required level of protection can only be achieved through close collaboration. Doing it alone is no longer an option. SWITCH enjoys a unique position in Switzerland and has the experience needed to make this collaboration possible:

- around ten years of success in moderating cooperation and sharing experience within a group of Swiss banks, some of which are classed as systemically important
- a pioneering role in collating and sharing high-quality, locally relevant threat intelligence
- a position of trust in the Swiss security community and close cooperation with relevant organisations in the private and public sectors, e.g. MELANI
- 20-year record of success in creating and supporting communities at the highest level of trust
- a neutral position and high transparency as a foundation funded by the Swiss Confederation and the university cantons
- threat intelligence processed and enhanced in tactical, operational and strategic terms

Trusted partner

A trusted partner of banks for ten years with experience in setting up and moderating trusted communities.

Unique synergies

SWITCH's NREN and registry activities create unique synergies that help SWITCH-CERT in the fight against cybercrime.

«Any good cooperation hinges on expertise, reliability and trust. We found all of these qualities in SWITCH and have enjoyed the benefits for almost ten years. Thanks!»

– Stephan Zimmermann, Head of Security and Systems, PostFinance Ltd

Added value for banks

- Costs are shared and thus significantly lower for each individual company
- Faster detection reduces the risk of losses
- SWITCH's global contact network and the unique synergies within its national centre of expertise strengthen its defences against cyberattacks
- SWITCH assures compliance with increasingly stringent requirements in terms of detection, incident response and cooperation in national and international regulations as well as good practice recommendations, e.g. from FINMA, the BIS etc.
- The threat situation is assessed independently, and conflicts of interest are avoided in all IT operating concepts
- Operational risks are significantly reduced through rapid deactivation of malicious phishing URLs and C&C servers
- High flexibility ensures punctual support and direct access to experienced CERT employees

Leading CERT/CSIRT

SWITCH-CERT is a leading institution in the Swiss information security community.

«What we like about working with SWITCH-CERT is the fact that we're dealing with people who have exceptional know-how. Another big advantage SWITCH has is its excellent network of specialist partners in Switzerland and worldwide.»

– Simon Züst, E-Banking Security and Application Management
Raiffeisen Switzerland Cooperative



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