



Vulnerability Management

Keeping the Threat Situation Under Control

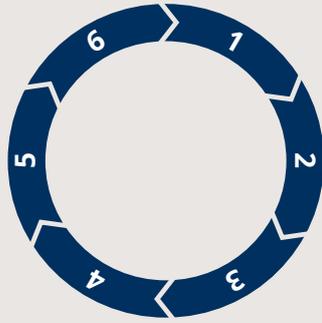
Digital security is becoming increasingly important. The number of registered attacks by cybercriminals is climbing every year. New record amounts of data entries are stolen again and again. There has also been a steady increase in the number of incidents reported to the Reporting and Analysis Centre for Information Assurance (MELANI) in Switzerland. In a great number of cases, cyberattacks take place through what are referred to as vulnerabilities. Permanently scanning one's own infrastructure for these vulnerabilities is therefore an essential task for every financial institution and is even prescribed by the regulator (FINMA Circular 08/21).

Viewed in isolation, the results of a vulnerability scan are generally not very meaningful. With this in mind, the comprehensive reporting engine of SIX compares your results with information from countless other scans. SIX can therefore alert you to serious vulnerabilities at an early stage and respond to them.

A further benefit is that you can define the frequency of the scans (weekly, monthly) and tailor them optimally to your specific needs. It goes without saying that you can also order additional scans at short notice if a vulnerability is suspected.

Your Benefits with the Vulnerability Management Service of SIX

- You become familiar with the vulnerabilities in your systems and have your infrastructure's threat situation under control at any time.
- You are informed about configuration errors and any newly installed or unauthorized systems, known as shadow IT.
- You receive vulnerability classifications and recommendations for action from experienced specialists.
- You are informed about any new, high-risk vulnerabilities at an early stage.
- You have access to a nationwide benchmark: the vulnerability reporting engine of SIX can compare your data with a sample from the whole Switzerland.
- You gain a partner who is familiar with your needs based on its own experience: the Vulnerability Management Service of SIX is the only one in Switzerland that was developed from within the financial sector and understands the regulatory requirements of Swiss banks and insurance companies from its own experience.



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|---|---|
| <p>1 Discovery of network assets (inventory)</p> <p>2 Detection of the operating system, services and applications</p> <p>3 Classification of the discovered assets
Customer's duty of cooperation</p> | <p>4 Scanning of the discovered assets for known vulnerabilities</p> <p>5 Reporting all findings</p> <p>6 Mitigation and Remediation Steps (based on the detected vulnerabilities and their risk rating)
Countermeasure as project</p> |
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Recommendations for Action

Vulnerability scanning becomes vulnerability management if the detection of a vulnerability leads to specific action such as mitigation or remediation. Specific recommendations for action from an expert help reduce the time it takes to resolve vulnerabilities.

The Various Scan Options

Remote Scan: From an Attacker's Perspective

The external scanning service lets you see things from an attacker's perspective. SIX operates a scanner that identifies your company's visible attack surface. It checks predefined network resources (assets) that are accessible from the Internet.

On-Site Scan: Security in the Entire Network

The on-site scan concentrates on your Local Area Network (LAN), ensuring that security does not end at the perimeter. One or more sensors are placed in your network depending on how detailed you want the scan to be. The system thus identifies vulnerabilities that attackers could use to move around the network. The scan results are combined with the central reporting engine and the remote scan results.

Port Scan

The port scan focuses on locating network resources. You define the network areas and SIX scans them systematically. As a result, you receive an evaluation of the operating system and network services: as part of operating system detection, SIX shows you which ports are available for each service and the applications for which a corresponding port is reachable or open, and which operating systems are used.

Vulnerability Scan

The vulnerability scan is an extension of the port scan and also checks the network resources located for known vulnerabilities in operating systems and applications.

Overview of Services

Port- and Vulnerability Scan	<input checked="" type="checkbox"/>
Reporting engine (comparison with other market participants)	<input checked="" type="checkbox"/>
Remote scan	<input checked="" type="checkbox"/>
On-site scan	<input type="checkbox"/>
Recommendations for action	<input type="checkbox"/>
Mitigation and remediation support	<input type="checkbox"/>
Monthly scan	<input checked="" type="checkbox"/>

Service component For an additional fee

SIX - Your Strong Partner from the Financial Industry

Your Benefits

- SIX is the only service provider in Switzerland offering Cyber Threat Intelligence (CTI) that is focused on financial topics.
- SIX develops use cases for the financial sector and updates them on an ongoing basis.
- SIX is itself system-critical, and as an operator of system-critical infrastructures it has an insider's view of relevant, sector-specific threats.

The Following May Also Be of Interest to You:

- SOC as a Service
- Incident Response Support
- Digital Risk Monitoring

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