kaspersky BRING ON THE FUTURE

Kaspersky Payment Systems Security Assessment

ATM/POS Security Services

ATMs and POS devices are no longer vulnerable only to physical attacks like ATM break-ins or card skimming. As protection measures applied by banks and ATM/POS vendors evolve, so attacks against these devices also shift up a gear, becoming ever more sophisticated. Hackers are exploiting vulnerabilities in ATM/POS infrastructure architecture and applications, and are creating malware specifically tailored to ATM/POS. ATM/POS Security Assessment services from Kaspersky help you to recognize the security flaws in your ATM/POS devices, and to mitigate the risk of being compromised.

There is no single solution that offers comprehensive protection. As a business manager, it`s your responsibility to protect your organization against today's threats, and to anticipate the dangers that lie ahead in the coming years. This needs more than just smart operational protection against known threats; it demands a level of strategic security intelligence that very few companies have the resources to develop in-house.

Security Assessment Services from Kaspersky draws upon the services of our in-house experts, many of them global authorities in their own right, whose knowledge and experience is fundamental to our reputation as world leaders in security intelligence.

Kaspersky ATM/POS Security Assessment
Comprehensive analysis of ATMs and POS devices, designed to identify vulnerabilities that can be used by attackers, including:

- unauthorized cash withdrawal
- performing unauthorized transactions
- obtaining your customers payment card data
- initiating denial of service

Why you should do this

ATM/POS Security Assessment by Kaspersky helps you as a vendor or financial organization to:

- Understand the vulnerabilities in your ATM/POS devices and improve your corresponding security processes
- Avoid the financial, operational and reputational losses that can result from an attack, through proactively detecting and fixing the vulnerabilities which attackers could exploit.
- Comply with government, industry or internal corporate standards, which include the carrying out of security assessments, e.g. PCI DSS (Payment Card Industry Data Security Standard).

How do fraudsters attack?
Each ATM machine consists of 4 cassettes with up to 3,000 banknotes in each cassette. In the worst case scenario, criminals could obtain up to USD$255,000. An ATM cash-out scheme in May 2016 demonstrated that criminals are prepared to coordinate their actions, in this case to access 1,400 ATM machines in just a couple of hours. The Taiwan incident in July 2016, which involved malicious software being installed on multiple ATMs, enabled the criminals to withdraw USD$2,000,000 from twenty ATMs. Criminals are always on standby to attack ATMs. Don't be a victim.

Who we are

Our project team members are professionals highly experienced in practical security, who have a deep knowledge in the field and are constantly improving their skills. They regularly provide security consultancy to ATM/POS vendors, and present the results of our ATM/POS security researches at leading information security conferences, including Black Hat, Hack in Paris, Positive Hack Days, Security Analyst Summit, Nuit Du Hack, HITB GSEC, DefCamp, ATMIA events, Chaos Communication Congress and many others.

Follow our experts at www.securelist.com

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What we're testing

The service includes comprehensive ATM/POS analysis including assessment of software components, hardware devices and network communications. The service can be conducted on a single ATM/POS device or on a network of devices. We recommend choosing the type of ATMs/POS device in most common use within your organization, or the type that appears most vulnerable (which has, for instance, already suffered from incidents) for assessment, and for these to be assessed in their typical configurations.

How we do this

During analysis, our experts will not just seek out and identify configuration flaws and vulnerabilities in obsolete software versions, but will deeply analyze the logic behind the processes performed by your ATMs/POS devices, undertaking security research aimed at identifying any new (zero-day) vulnerabilities at component level. If we uncover vulnerabilities which could profit an attacker (resulting, for example, in unauthorized cash withdrawal), our experts can provide demonstrations of possible attack scenarios using specially crafted automation tools or devices.

While an ATM/POS Security Assessment involves emulating the attack behavior of a genuine hacker in order to practically assess the effectiveness of your defenses, please note that it is entirely safe and non-invasive.

Threats to the Finance Industry

Banks stock markets, and other financial institutions are an ongoing focus for cybercriminals due to the very nature of the industry. To avoid financial and reputational losses, it's critical to stay ahead of the curve in terms of cybersecurity. Kaspersky offers a set of proactive threat intelligence services to help you enhance your security operations and take a proactive approach to advanced threats:

- Security Assessment Services (Penetration Testing, Application Security Assessment, ATM and POS Security Assessment)
- Threat Intelligence Reports (APT Intelligence Reports, Customer-Specific Threat Intelligence Reports)
- Cyber-Attack Readiness Testing
- Botnet Threat Tracking
- Threat Data Feeds
- Malware Analysis and Digital Forensics
- Training: Threat Analysis, Forensics and Investigation

See more at www.kaspersky.com/enterprise

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