



ADVSTAR
LABORATORY

Guardforce

AdvSTAR ATM Solution

Advanced Security Technology and Research Laboratory

AdvSTAR ATM solution



Key Advantages

- Stay ahead of latest cyber attack with global banking-specific threat intelligence
- Detect deep and unknown risks from infrastructure
- Verify implementation policies and controls
- Secure both physical and technical from inside out
- Trusted independent, non-vendor security assessment
- Establish rapid solution to address immediate vulnerabilities
- Key strategy in secure banking roadmap



ATM Security Assessment

- Architecture Review

Evaluation of system design and architecture to find potential vulnerability that exposed to attackers.

- Penetration Testing

Examine network resilience, security policy and controls to external and internal attack. Coverage of testing vectors include hash evaluation, cryptography, data protection layer.

- Physical Security

Identification of weaknesses in security measures that are designed to deny unauthorized access and damage to the equipment.

- Application Security

Testing multiple interfaces between ATM application and other attack surface, such as user input, administrative controls, network and base systems.

- Operating system security

Identify potential malware and configuration issue

- Mobile App

For mobile connected ATM, reverse engineering analysis to ATM app for both Android/iOS to identify potential risk and vulnerabilities that attacks may take advantage.

- Incidence Investigation

In case of incidence like suspected network attack or presence of malware, our security researcher team will be in the site and help you to gather evidence, and carry out different kinds of analysis like data recovery and forensics, reverse engineering of malware and application. The findings will be reported in a detailed investigation report with corrective recommendations.

Why AdvSTAR?

Advanced Security Technology and Research Laboratory Company Limited (AdvSTAR) is a specialized cyber security threat intelligence exchange and research service laboratory. We operate threat intelligence exchange platform and perform independent security research. Our technical research team are experienced and trusted special service professional in the banking and finance industry. Through partnering up with Guardforce, the leading security provider in Asia, together we are able to provide you with a total seamless security solution from hardware to software, from intelligence to prevention, from virtual to physical, ensuring your business risks are minimized.

ADVANCED RESEARCH AND ASSESSMENT

New cyber attack methods against your infrastructure are invented at rapid rate. Our research team are trusted special service professional experienced with banking and finance related cyber attacks. We perform malware analysis, incidence investigation, vulnerability discovery, and reverse engineering to discover facts and technical details to support your security operation.



Malware Analysis

The behaviour of malware or computer virus and the way how the virus is spreading in your corporation is essential for investigation and prevention of incident.



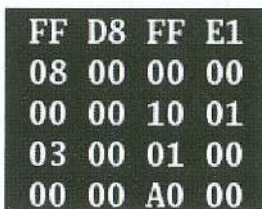
Incidence Investigation

During an investigation, forensics tasks like evident harvesting, audit trails analytic, data analysis and information discovery requires joint effort from technical experts in different areas



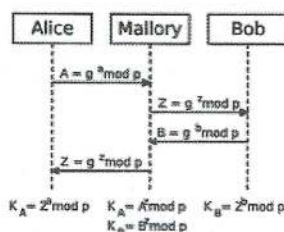
Vulnerability Discovery

When you are going to deploy a certain IT products or you build your own solution. We can help you assess the risk of hidden vulnerabilities, even without source code or any inside knowledge.



Reverse Engineering

We help you to verify if a piece of software or hardware work the way you expected.



Cryptographic Design

Coming from a strong academic background, our cryptographers are able to design and verify cryptographic system and communication protocol using mathematical model. We can also verify the implementation of commercial

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