



Vynamic Security Suite

VYNAMIC SECURITY SUITE

THE SECURITY CHALLENGE

JACKPOTTING AND OTHER BANKING FRAUD ARE GROWING RAPIDLY

Security approaches to meet today's demands are not black and white anymore.

Dynamic Security is built for **SELF-SERVICE**

Hacking

Hacking methods have shown the biggest growth in terms of logical attack threats

Source: VERIZON 2014 Data Breach Investigation Report

ATM Heists

Recently, a bank in Taiwan lost US \$2 million, in an ATM heist. The money was stolen from 34 ATMs at 20 branches, as a result of malware attacks.

Source: Reuters

Virus Malware Infection

In October 2016, A virus malware infection at Hitachi Payments Services led to over 3.2 million debit cards in India being compromised.

Source: Huffington Post

ATM Malware Attacks

In 2014, ATM malware “cash out” or “jackpotting” attacks caused losses of €1.23 million.

Source: EAST European ATM Crime Report 2015 (January – December)

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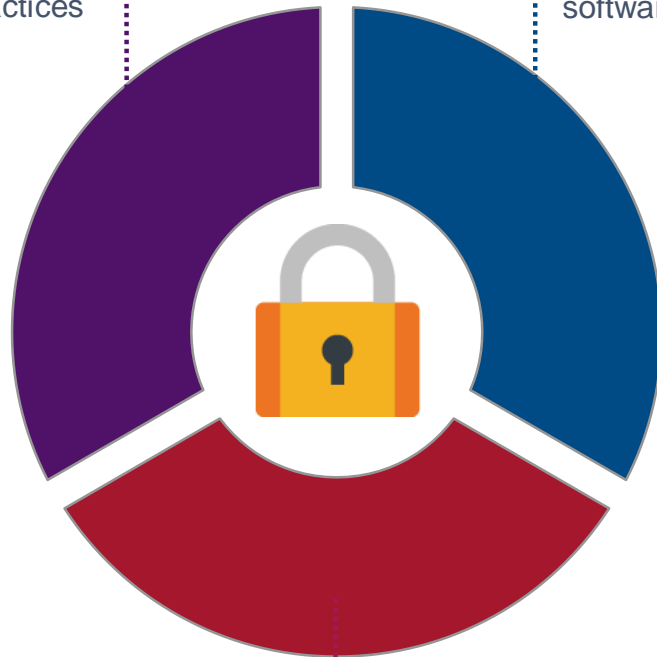
Dynamic Security – A Comprehensive Solution

Access Protection

Security Governance & Windows Hardening based on industry best practices

Intrusion Protection

Day zero malware protection by completely locking down the software stack



Hard Disk Encryption

Protects Terminal's hard disk and data from unauthorized access

- Built Specifically for the Self-Service environment
- Employs modern security principles (e.g. Sandboxing)
- Pre-fabricated Security policies for quick deployments
- Follows industry best practices. Audited by PCI QSA
- Multi-Vendor: Agnostic to platform software & hardware
- Effective Zero Day Protection against unknown threats
- Innovative Hard-disk Encryption (HW Binding Mode)
- Reduced TCO by provided extensive operational tools

VYNNAMIC SECURITY – INTRUSION PROTECTION

Provide Pro-Active Protection - A UNIQUE WAY TO PROTECT AGAINST EXPLOITATIONS

Protect Critical Components – A MULTIVENDOR SOLUTION FOR THE MOST ADVANCED ATM DEFENSE



Effective, state-of-the-art protection against known and unknown threats, including zero-day for networked, unattended terminals in the financial and retail sector



Establishes a ruleset that goes beyond “what is allowed” (whitelisting) to be performed, while also considering “when and where” in terms of specific privileges (behavioral pattern) by using modern sandboxing techniques.



Protects real-time against unauthorized usage of USB devices (thumb drives, hard-drives, other devices)



Ensures that the integrity of the runtime environment is upheld and blocks execution of applications if their file integrity check fails



VYNAMIC SECURITY – ACCESS PROTECTION

Safeguard systems and control users, actions and access to information

Tools for Operations: Regulate Secure Access. Allows controlled access for technicians

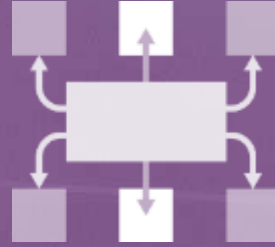
Secure Against Internal & External Threats



Provides an integrated multi-layer approach to protect terminals, POS devices, operating systems, and customer data



Configures the terminal's OS to function within a restricted special purpose mode, allowing only functionalities & services required for operation



Supports multivendor, device agnostic capabilities for banking and retail systems



Sustains effective access control by management of rights and roles of various user profiles



Offers industry leading operational tools such as Ticketing and Helpdesk to allow secure access for operational cases

VYNAMIC SECURITY – HARD DISK ENCRYPTION

Secure sensitive consumer data and adhere to PCI security standards

Protect Data at Rest and in Motion – Defend against Tampering or Theft

Stop Attacks Before They Happen



Blocks unauthorized access to data on an ATM even when offline both inside an ATM PC as well as if the ATM's PC or hard disk has been stolen



Ensures protection of critical runtime data as well as protection of data in rest.



Operates with machine-specific encryption to ensure that the hard disk can only be accessed and used within its original secure environments



Protects against unauthorized data from being written to the hard disk from external devices



VYNNAMIC VIEW – SECURITY MANAGER

Monitors Vynamic Security

A Special Package of Vynamic View Monitoring Solution

Designed to work with Vynamic Security Suite



Captures security related events (security console)



Correlates events to individualize 'odd' behavior



Triggers alerts, start processes, reaction automation for significant/critical events



Notify stakeholders through multiple channels: email, SMS, voice, fax, interface

