

**Industry:**

Banking/Financial Technology Services

**Challenges:**

- Protect ATMs from Malware Threat
- Secure ATMs despite network isolation & low-power
- Improve end user experience

**OutCome:**

**“Four years malware-Free! no Bloat, no Burden, no Disruptions. It’s Simple to ROI-Out & Easy to Forget!”**

Allan Lenius, VP

NuSource Financial, LLC

**About NuSource Financial**

NuSource Financial is one of the fastest growing bank technology companies in the United States, supplying innovative ATM, branch transformation, and security solutions to over 700 Financial Institutions (FI). FI’s rely on NuSource to keep their ATMs secure and run efficiently. NuSource’s services achieves this in part by finding the best available tools in an ever-changing world of technology and risks. Success means customers get no distractions, no excuses.

**Situation: Ineffective Anti-Malware Tools**

Increasing threat volume of advanced malware attacks on ATMs. Anti-malware defenses rely less on preventing compromises and more on reacting, which is distracting for FI’s. Worse, newer tools need real-time internet access for detection data.

ATMs must be network isolated and managed by 3rd parties. Anti virus tools needing internet access complicate operations. Further, ATMs are low on CPU, memory, and hard drive. PCI compliance affects all. NuSource needed a holistic prevention tool that solved all of the highlighted issues and more.



## Solution: AppGuard

NuSource researched and evaluated well known anti-malware tools but selected AppGuard because it uniquely blocked malware attacks (prevention) on zero day without any hassles associated with the alternatives.

Machine learning antivirus was new four years ago. But has since shown only marginal improvement over traditional antivirus. Endpoint detection and response, and behavior analytics, yield too many alerts and incident reports for investigation. All these tools also need continuous internet access to be effective.

AppGuard is not a detection tool. It follows zero trust approach to block attacks in real-time, does NOT need Internet access, and does NOT need analysts to investigate alerts and remediate incidents. AppGuard can be installed without constant central management, which renders it out of PCI scope. {Central management is available, however.} All indications pointed to simple preventative protection.

AppGuard's footprint was observed to be extremely small: 10 MB on hard drive, 10 MB memory, and 0.0% CPU (average), making it ideal for ATMs.

### “Roll-out & Admin are Extremely Easy”

NuSource noted that previous application control tools had required considerable, costly, professional services to roll-out and maintain. “AppGuard blocks far more types of attacks than application control, yet at a tiny fraction of the overhead and cost”, said Lenius.

### “We’ve had No Problems; it just Works!”

Advanced endpoint protection tools must not only block attacks but also stay out of the way of lifecycle operations. “AppGuard has not complicated or hindered patching or configuration management. Our migrations from Windows XP to Windows 7 were not impacted by AppGuard. How could an advanced protection tool possibly be less disruptive to such migrations,” said Lenius.

### “No Malware Incidents”

NuSource supports about 700 FI's. With AppGuard protecting windows-based ATMs made by Nautilus, Hyosung and NCR, none have experienced a malware compromise. No PCI compliance problems. And, no alerts triage, alerts investigations, or ATM remediations. AppGuard blocks known and unknown attacks (Tyupkin, Wannacry, JackPotting, etc.) in real-time, at the kernel level.

### “Phenomenal, We Install it on All ATMs”

Lenius concluded, “four years later, the AppGuard difference remains the same. It's the one solution that doesn't force trade-offs preventing more versus requiring constant tuning and attention. It's one of those solutions one hopes to find. It's perfect for us and our customers. They get the install and forget solution they seek. No complications, no disruptions, no malware problems, and no need for excuses. It just works!”

# “Our financial institution customers have what they want from AppGuard: Install & Forget”

Allan Lenius, VP  
NuSource Financial, LLC

Award-winning laptop, desktop, and server protection for enterprises. By applying zero trust principles WITHIN endpoints, AppGuard delivers better protection and lowers cyber operation costs.

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