

Vellox Reverser™

A Booz Allen® Product

Outpace the threat. Reverse the unknown.

Automated Malware Reverse Engineering at Machine Speed

Vellox Reverser is a malware reverse engineering product that automatically analyzes the most complex and evasive threats in minutes.

It replaces weeks of manual analysis with fully automated, expert-grade reverse engineering—delivering clear, actionable intelligence so security teams can move fast, reduce risk, and act with confidence.

Key Benefits



Speed Without Compromise

Exhaustive malware reverse engineering in minutes without sacrificing depth or accuracy.



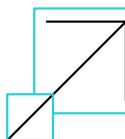
Risk Reduced

Faster insight drives faster containment, shortening dwell time and limiting operational impact.



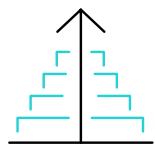
Decisions Accelerated

Transforms complex malware into clear, defensible actions — moving teams from analysis to response faster.



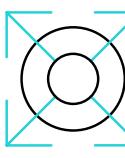
Efficiency at Scale

Automatically clears analysis backlogs and boosts analyst productivity, scaling without adding headcount.



Clarity at Every Level

Plain-language summary for fast decisions, with technical depth available when deeper analysis is required.



Expert Design

Mission-grade malware analysis built by experts trusted to protect the nation's most critical missions.

Technical Features

Function-Level Reverse Engineering

Analyzes malware at the function level to expose hidden logic, evasive behavior, and embedded payloads—using ML to align behavior with known TTPs.

Agentic AI Orchestration

Intelligent agents automatically select tools, re-analyze samples, and adapt execution strategies in real time—no manual intervention required.

Live Binary Patching & Execution Shaping

Applies real-time patches to bypass evasion, force full execution, and reveal behaviors missed by traditional sandboxing.

Binary & Function Similarity Matching

Identifies shared code and adversary patterns across samples to support classification, attribution, and response.

Automated Analysis Reporting

Generates executive summaries and deep technical reports with MITRE ATT&CK mapping, IOCs, YARA rules, and mitigation guidance.

Threat Intelligence Generation

Correlates behaviors and indicators across samples to deliver defender-ready countermeasures for detection and proactive defense.

Booz Allen

About Booz Allen

Booz Allen is the advanced technology company delivering outcomes with speed for America's most critical defense, civil, and national security priorities. We build technology solutions using AI, cyber, and other cutting-edge technologies to advance and protect the nation and its citizens. By focusing on outcomes, we enable our people, clients, and their missions to succeed—accelerating the nation to realize our purpose: **Empower People to Change the World®**.

With global headquarters in McLean, Virginia, our company employs approximately 32,500 people globally as of September 30, 2025, and had revenue of \$12.0 billion for the 12 months ended March 31, 2025.

NYSE: BAH

Request a demo to see Vellox Reverser in action.

Experience firsthand how AI-first malware reverse engineering can accelerate analysis, reduce risk, and deliver actionable intelligence in minutes.

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