

FRENOS

The Zero Impact Continuous Security Assessment Platform

Introduction

The Frenos Platform helps enterprises scale security assessments across their critical environments helping to understand their most probable attack paths while highlighting the most effective risk mitigations to deter and defend against today's adversaries. This innovative approach empowers security teams to focus on the most relevant and risk-reducing activities, saving time, money, and resources. Developed with design partners from five critical infrastructure sectors, the Frenos Platform can meet the unique challenges of securing all sixteen critical infrastructure sectors.

What is the Frenos Platform?

The Frenos Platform is a zero impact security assessment platform focused on identifying the most probable adversary tactics, techniques, and procedures for the purpose of helping cybersecurity teams prioritize proactive risk mitigation activities. The only required data is from your existing security technologies.

Why the Frenos Platform?

Digital Twin + AI-Driven Adversarial Thinking:

- **Digital Network Twin:** Creates a digital twin of your network to simulate attack scenarios, offering a comprehensive view of possible threats without impacting live systems
- **AI Adversarial Intelligence:** The Frenos Platform employs trained AI within the digital twin to think like sophisticated adversaries, providing more accurate and realistic simulations of potential threats.

Dynamic Attack Path Analysis:

- **Prioritization of Threats:** Focuses on identifying and prioritizing the most likely attack paths and steps, ensuring security teams address the most critical first.
- **Comprehensive Insight:** By providing individual attack step techniques, tactics, or procedures that can be leveraged in sequence, the Frenos Platform provides a holistic view of potential attack scenarios.
- **Continuous Adaptive Environment Analysis:** Integrates with your existing security tools and technologies, adjusting the likelihood of attack success based on your current defenses.

Proactive Risk Mitigation:

- **Actionable Insights:** Delivers prioritized, actionable recommendations for mitigating risks, allowing for efficient allocation of security resources.
- **Strategic Focus:** Empowers security teams to take a proactive approach, staying ahead of potential threats rather than reacting to incident

KEY BENEFITS

Assessments at Scale

Significantly improve your organization's understanding of security weaknesses across your complex environment.

Efficient Resource Allocation

Optimize your security efforts by focusing on the most cost effective and critical mitigations

Cost Savings

Reduce costs associated with manual penetration testing and expensive consultants hours by leveraging continuous, AI-driven analysis.

Time Efficiency

Save time with automated, real-time simulations and prioritized action plans, allowing security teams to focus on strategic tasks.

Future-Proof Defense

Stay ahead of evolving threats with a platform that continuously learns and adapts.

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The Problem

Organizations today have complex networks running mission critical systems, devices, and applications. Downtime of any of these can result in significant financial, reputational, safety, and/or security concerns.

Due to the critical network's reliability and sensitivity requirements; common cybersecurity network enumeration, vulnerability scans, and exploitation tools often used to assess security postures cannot be leveraged. Security teams often leverage specialized consultants to conduct these assessments; however they are narrowly focused, take weeks or months to complete, and are costly. Organizations need a scalable assessment platform which has zero impact on their operations.



"The Frenos Platform allows us to validate our defensive architecture and focus our efforts on the most important risk reduction activities."

~ Utility Security Architect

OUR STORY

FRENOS ("brake" or "slow down" in Spanish) is founded by a former Fortune 500 cybersecurity architect with over 20 years experience securing critical infrastructure and an ex-malware developer turned AI/ML leader from Dragos and AWS who have joined forces to build the industry's first continuous security assessment platform. Frenos was founded to help simulate the threats of today in order to defend tomorrow.

Our Technology

The Frenos Platform creates a digital attack map of your environment taking into account all existing cybersecurity technical controls. Once completed, our patent pending autonomous AI adversarial reasoning agent simulates all relevant MITRE ATT&CK tactics, techniques, and procedure combinations and highlights the most probable attack paths while providing specific preventative risk-reducing recommendations.

The adversarial agent provides adaptive and continuous threat simulations by mutating and adapting to the external threat landscape and the customer's changing internal compensating security controls providing the industry's first environment centric continuous attack surface mitigation platform.

Our Value

The Frenos Platform conducts zero impact security assessments at speeds and scales no other technology platform, consultant, or pentesting team can. Additionally it recommends the most relevant security mitigations to improve your security posture so your defensible architecture can be quantified and trended over time.

Frenos Platform Capabilities:



Continuous simulation highlighting the most probable attack paths



Aggregated and prioritized list of proactive risk-reducing activities and control recommendations across your enterprise environments



Trend your defensibility score allowing communication of improvements or degradations



Vulnerability prioritization with internal compensating control mitigation and external threat intelligence considerations



Simulate the impact specific adversaries and compensating controls could have in your environment