

**IT SECURITY IS
OUR MAIN
CONCERN**

MiniFW-AI for Financial Institutions

**Presentation
JUNE 2025**



Since 2013



MiniFW-AI for Financial Institutions

- Sector-Specific AI Firewall
- Powered by ARCHANGEL 2.0
- Developed by Sydeco



What is MiniFW-AI?

- AI firewall embedded in ARCHANGEL 2.0 (IA2 Bis level)
- Observes encrypted/unencrypted traffic
- Applies ML models to identify threats
- Adjusts policies dynamically and in real-time



MinFW-AI – 2025 Upgraded Features

- Now powered by L3 AI Engine (MLP-based)
- Encrypted Threat Detection (JA3 Fingerprinting, YARA, SNI Analysis)
- IoT Device Profiling for anomaly detection
- Bandwidth Abuse Alerts with live flow scoring

- Sector-specific dashboard and Zero Trust Enforcement
- MAC-locked secure .deb installers for verified devices only
- Full offline operation with ARCHANGEL 2.0 integration



Key Functions in Financial Networks

- Detects fraud patterns, bot behavior, suspicious transfers
- Flags crypto activities, foreign logins, abnormal bursts
- Applies risk scores to all financial flows



Benefits for Financial Institutions

- Prevents fraud, abuse, and regulatory breaches
- Secures customer data and transaction integrity
- Strengthens trust and reputation through proactive defense



How It Enhances ARCHANGEL 2.0

- Adds financial-specific risk analysis to traffic flows
- Blocks suspicious activity before damage occurs
- Integrates AI scoring into Zero Trust enforcement
- Real-time decision making with regulatory reporting support



Why It Matters

- Financial systems are prime targets for cybercrime
- A single breach can cause massive losses and fines
- MiniFW-AI defends with precision, speed, and intelligence

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