

PAYMENT HSM · NATIONAL FINANCIAL SYSTEM

kNET Payment

High throughput, native payment functions and regulatory compliance for the National Financial System.

kNET Payment is the Kryptus kNET HSM configuration for the financial sector: high performance, native payment functions and the same certification core that today underpins **100% of the digital certificates issued in Brazil** and the Brazilian Payment System itself.



TENTÁCULOS PROJECT

A joint initiative with Febraban and the Brazilian Federal Police for the handling and analysis of attempted fraud. Kryptus has been part of the project since 2025.

DEVICE CREDENTIALS

- ◆ **FIPS 140-3 Level 3**, also certified FIPS 140-2 Level 3
- ◆ **Common Criteria EAL4+**, augmented AVA_VAN.5 and ALC_FLR.3
- ◆ **ICP-Brasil MCT7 NSH3**, approved by INMETRO
- ◆ **NIST CAVP**, validated post-quantum algorithms
- ◆ **eIDAS**, EN 419221-5:2018
- ◆ **PCI** compliant

10,000

RSA2K signatures per second

50

virtual HSMs per appliance

+2.5 M

objects in storage



NATIVE PAYMENT FUNCTIONS IN FIRMWARE

DUKPT

TRANSLATE PIN

REFORMAT PIN

TR-31

CALCULATE CVV

GENERATE EMV CRYPTOGRAM

PIX

OPEN FINANCE

SOME OF THE CUSTOMERS THAT TRUST KNET:

banks, certificate authorities and payment processors





ANTI-FRAUD · CREDIT RECOVERY · EVIDENCE

Big data shows what is on record. BladeRunner reveals what is being hidden.

Formal records stop at declared assets and corporate ties. Fraud, asset shielding and concealment happen outside them: in the lifestyle displayed on social media, in straw owners, in the real beneficiaries and in assets still in use after being "sold". BladeRunner is the Kryptus platform that collects and triages this trail at scale, with AI and machine learning, and preserves every finding with a forensic chain of custody. The same analysis detects potential fraudsters and maps direct and indirect ties to criminals and illicit networks.

01 · Target

debtor, partner, counterparty or employee, and their network of ties

02 · Collection at scale

thousands of profiles and posts triaged by AI

03 · Custody

forensic hash and timestamp, including volatile content

04 · Evidence

dossier actionable in court, arbitration or internal proceedings

Potential fraudsters on social media

Direct and indirect ties to criminal networks

Insider threat and co-optation (MICE)

Lifestyle, straw owners and hidden assets

Applicable to debt enforcement, clawback actions, piercing the corporate veil, due diligence, pre-hire background checks and internal investigations.
Compliant with the Brazilian data protection law (LGPD).

Weeks of investigation in days.

SOC 24X7X365

Your team detects a threat in minutes, or finds out months later, after the damage.

A 24x7x365 operation with redundant infrastructure in São Paulo and Brasília, across three tiers: **L1** monitoring, detection and response; **L2** intelligence and threat hunting; **L3** availability, performance and uptime. MSS with SIEM and SOAR operation, and Blue Team and Red Team integrated in a Purple Team model.

- ◆ Full asset visibility
- ◆ Endpoints, cloud, network and data center
- ◆ Protection against ransomware and data leaks

- ◆ Proactive threat intelligence and hunting
- ◆ Compliance with LGPD, ISO and PCI-DSS
- ◆ Redundant SOCs in São Paulo and Brasília

Already protecting operations at the **Central Bank of Brazil** and **Caixa**.

RED TEAM · PENTEST

PENTEST 360: DETECTION · RECOMMENDATION · GOVERNANCE

Before a real adversary finds the flaw, find it first.

The Kryptus Red Team acts as a real attacker, identifying as many vulnerabilities as possible and the damage a breach would cause to systems, data and users. It delivers detailed, in-depth assessments, with ransomware and breach simulation.

Network and infrastructure

Web and SAP applications

Social engineering

Wi-Fi

OSINT

Mobile iOS and Android

IoT devices

Hardware and firmware

SCADA and ICS

POS and ATM



SHAPING TRUSTED BONDS

23 years protecting what matters most to government, defense and the national financial system.

23
years in
operation

+20
countries

+100
developers
and
engineers



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