

One Platform. Total Control. Legacy to AI.

Externalize policy. Enforce instantly. Guarantee transaction integrity.

Modern enterprise infrastructure moves at the speed of the transaction, yet security architectures remain stuck at the front door. Verifying a boundary credential or securing a perimeter access point tells you nothing about the live risk hidden deep within a data stream.

Once a user transaction, an automated database query, or an autonomous AI agent initiates an action, traditional security frameworks lose visibility into the active execution layer. True control cannot depend on identity tokens alone; it requires continuous, real-time evaluation of all contextual signals, data payloads, and structural intent across the entire network.



Control Core represents the next evolution in cybersecurity
Enterprise Authorization Management (EAM)



We bridge the critical gap between static perimeter authentication and active runtime execution. Operating as a centralized control plane, Control Core evaluates real-time intent, inspects transaction payloads, and enforces dynamic rules across your entire environment. It is the natural extension to your technology stack—ensuring that every digital action is authorized, audited, and secured at the network layer.

ATTRIBUTE-AGNOSTIC ENGINE

Context Matters: Control Core evaluates any combination of telemetry signals—network state, identity, threat intelligence, payload structure, data parameters, device intelligence, cost metrics and more



SUB-5MS INLINE EXECUTION

Zero Application Lag: Our Bouncer sits directly within your network path to inspect, validate, and authorize live data streams at line rate without introducing engineering friction.



ZERO-DISRUPTION COMPLIANCE

Shadow to Active: Passively map existing traffic loops to expose systemic governance drift, utilizing Smart Permissions to instantly transition findings into active, blocking controls.



Bridging the Policy Execution Gap

THE CHALLENGE

Today's compliance rules, AI guardrails, and access policies are deeply embedded across fragmented systems. Every regulatory update or database policy change requires manual engineering cycles, slowing development and leaving critical assets exposed to compliance drift and credential abuse.

CORE CAPABILITIES

Control Core centralizes these disparate rules into a single, intelligent engine.

The Bouncer: An inline, stateless component that intercepts and normalizes traffic, executing context-aware security decisions in under 5 milliseconds.

Smart Permissions: Define granular, context-aware rule sets in natural language. Our engine translates these instantly into machine-readable, executable policies.

Automated Compliance Audit: Run passively in the background to map API traffic, expose regulatory vulnerabilities, and generate continuous, audit-ready proof or controls.

Inline Data Redaction: Automatically detect and mask sensitive information (PII, PHI, Proprietary IP) before it ever leaves your secure boundary.

ENTERPRISE IMPACT



Accelerated Engineering: Free your developers to build products rather than patching access controls.

Zero-Disruption Deployment: Run a passive Compliance Audit to map risks with zero system downtime or architecture changes.

Absolute Data Containment: 100% local Virtual Private Cloud (VPC) deployment ensures your proprietary data never routes through third-party servers.

Enterprise Authorization Built for Highly Regulated Sectors

Translate complex regulatory mandates into real-time network guardrails with zero application disruption.

Control Core operates natively at the network layer, decoupling authorization logic from your software stack. By intercepting data flows inline, the platform allows organization leaders within high-compliance ecosystems to achieve continuous visibility, maintain data lifecycle integrity, and actively enforce transactional safety.

Defence & Aerospace

Secures the defense industrial base and aerospace supply chains by enforcing precise payload boundaries across distributed contractor networks.

Active Enforcement: The Bouncer intercepts unencrypted data transfers inline, executing real-time payload filtering to ensure sensitive technical data never exits authorized network zones.

Continuous Verification: Provides an automated, real-time Compliance Audit trail mapping all inter-agency data exchanges directly to national security defense standards.



Finance & Banking

Shields modern open-banking APIs and legacy core ledger systems from high-velocity transaction fraud and credential abuse.

Active Enforcement: Replaces fragile application logic with dynamic Smart Permissions that instantly evaluate transaction context, blocking anomalous account behavior at the network plane.

Continuous Verification: Runs passive traffic mapping to automatically flag deviations from strict regulatory frameworks (such as OSFI E-23 and FINTRAC).



Healthcare & Life Sciences

Protects high-value clinical research, proprietary drug formulations, and patient records from accidental insider exposure or malicious exfiltration.

Active Enforcement: Inspects data requests in under 5 milliseconds to execute inline PII and PHI redaction before data payloads reach external analytical environments.

Continuous Verification: Validates user intent against active health privacy regulations, logging every micro-transaction into an immutable, audit-ready compliance stream.



Critical Infrastructure

Defends energy grids, utility networks, and telecommunications routing systems from unauthorized command execution and zero-day exploits.

Active Enforcement: Evaluates raw TCP packets and protocol commands inline, verifying user context to prevent unauthorized control-loop adjustments from executing.

Continuous Verification: Monitors connectivity between corporate IT and physical operational assets, exposing edge vulnerabilities without introducing lag.



Government & Public Sector

Accelerates digital modernization across civil agencies by unifying fragmented access controls into a centralized management plane.

Active Enforcement: Deploys central policy guardrails over legacy infrastructure, ensuring cloud and on-premise databases share an identical authorization standard.

Continuous Verification: Aggregates multi-agency data access behaviors to deliver comprehensive Compliance Audit telemetry satisfying federal privacy evaluations.



Sovereign Control. Instant Enforcement.

EXECUTIVE SUMMARY

The era of fragmented security, compliance, business and custom policies is over. Control Core provides the ultimate safety net for your digital transformation. Whether you are modernizing legacy mainframes or deploying frontier AI agents, our platform ensures every transaction is validated, every payload is inspected, and every compliance standard is met.

As organizations face escalating cybersecurity threats from advanced AI alongside volatile supply chain uncertainties, maintaining true digital sovereignty is no longer optional. With rapidly evolving global regulations, Control Core integrates seamlessly into your active zero-trust and cloud-modernization projects—turning institutional risk into a controlled, hardened network asset.



ABOUT US

Engineered in Waterloo, Ontario—the heart of Canada's cybersecurity corridor—Control Core is built on a foundation of deep, verified expertise across Enterprise Architecture, core infrastructure security, and Digital Identity. Developed by technical, product, and management veterans with an extensive track record of delivering high-performance software systems in both Canada and the United States, the platform bridges the gap between complex regulatory mandates and active network execution. We design enterprise-grade middleware that simplifies compliance, empowers engineering velocity, and fiercely protects data integrity.

Eliminate blind spots. Secure your transaction pipeline.

Run the Bouncer in passive Shadow Mode to map security gaps, optimize AI costs, and generate compliance audits. Risk-free, with zero impact on active operations.

Launch Your Shadow Audit: controlcore.io

Request an Executive Briefing: info@controlcore.io



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