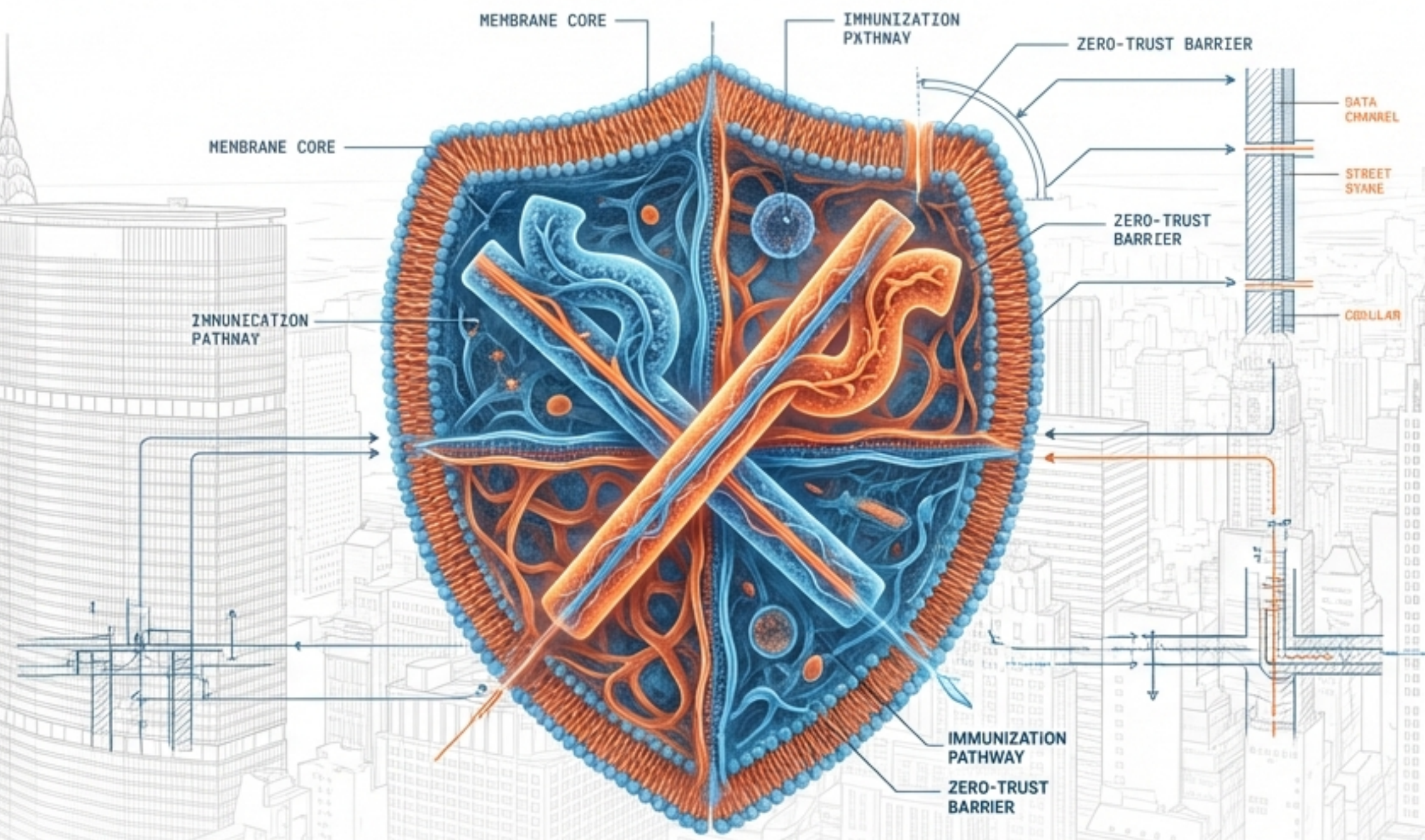




Fortify the intrinsic security quotient of your enterprise. Regulate web traffic with a specialized, high-performance web proxy as the operative core.

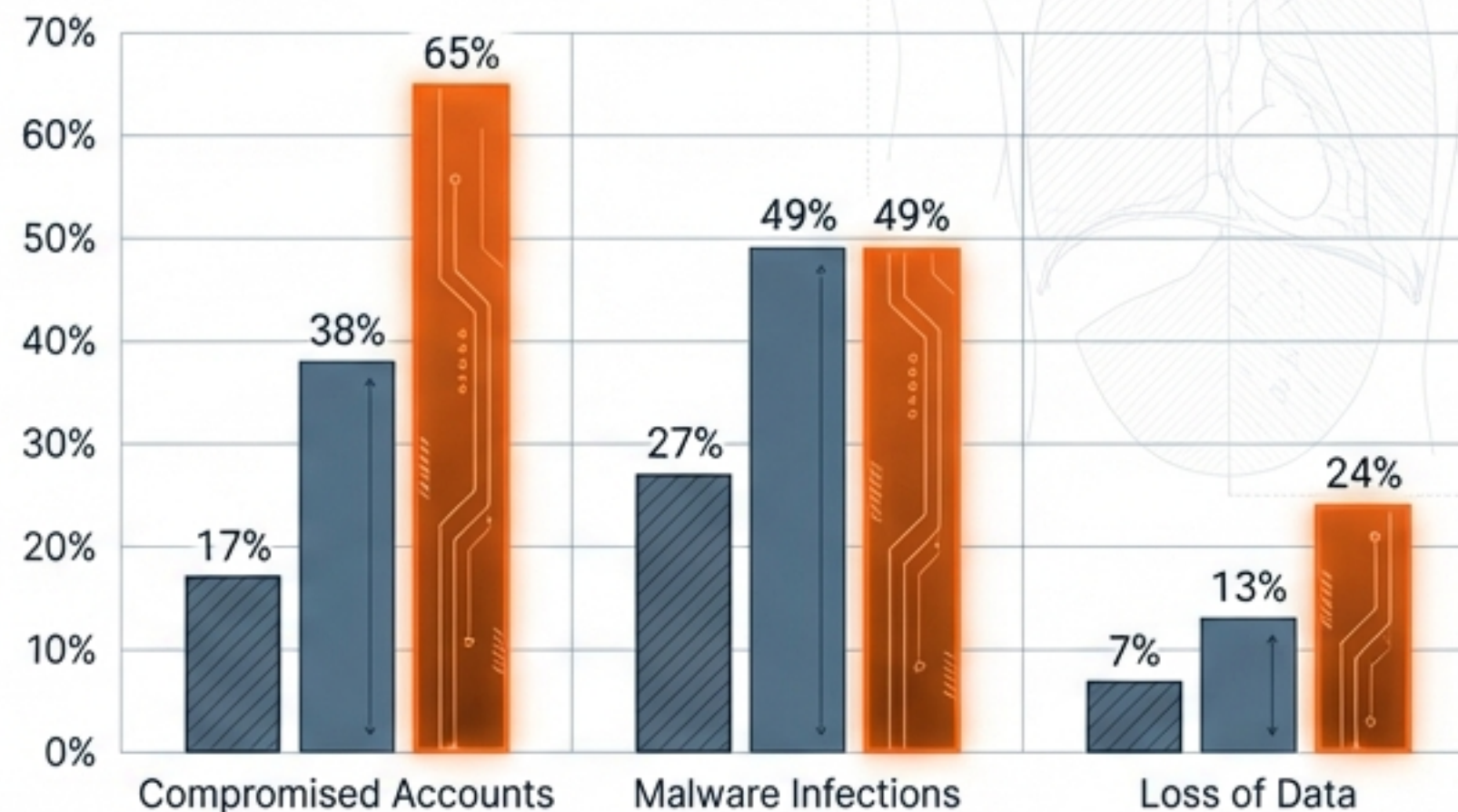
Immunize Your Enterprise: The Architecture of Zero-Trust Web Security

Beyond Legacy Firewalls—Introducing the World's Most Advanced Web Proxy Solution.

The Current Reality: The Perimeter is Porous

Phishing, Ransomware, and Data thieves exploit the lack of cyber-discipline.

Phishing Impacts Experienced*



- **40.9%** increase in total phishing volume (2018).



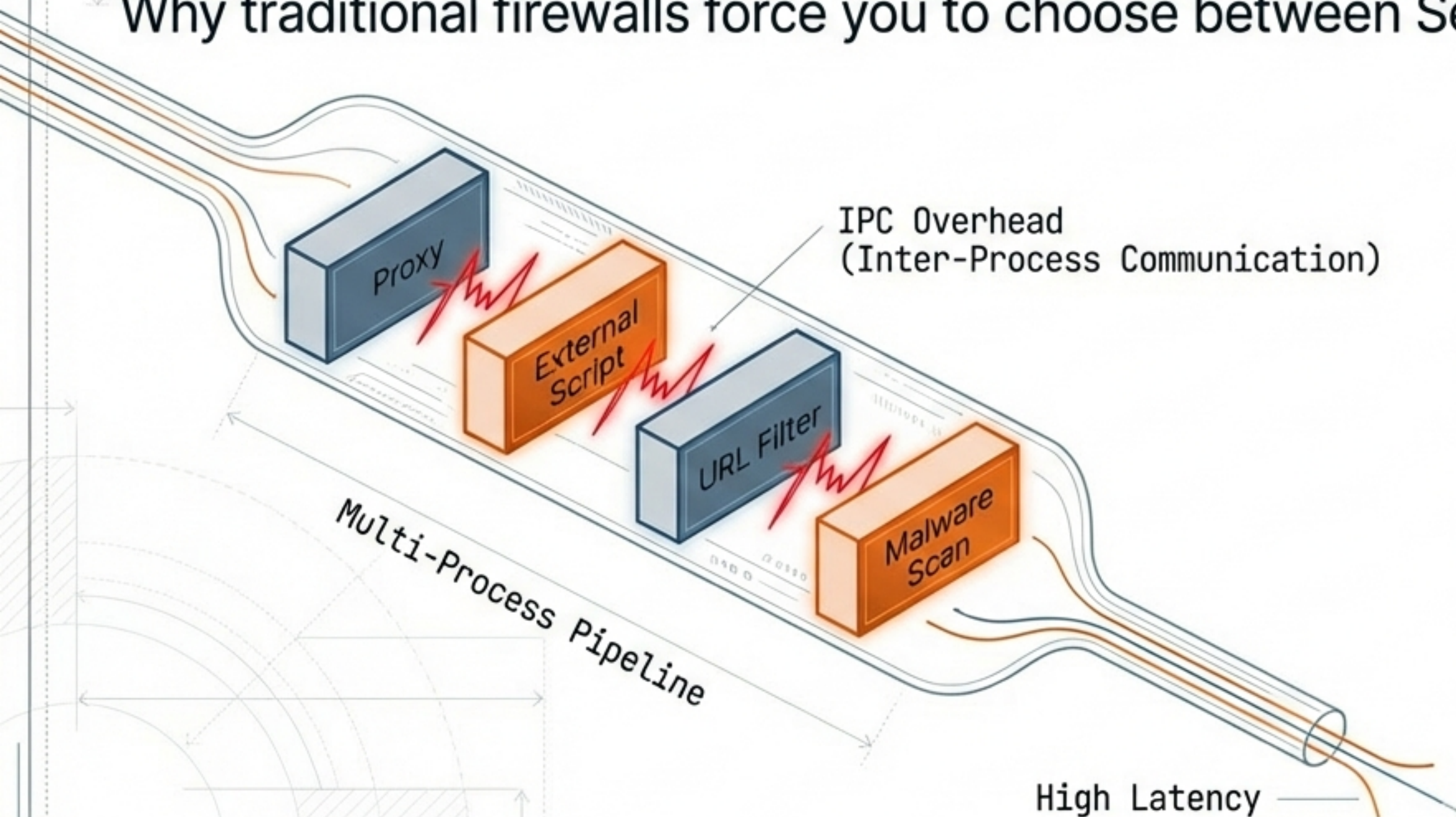
- **\$5 Million+** cost to rebuild Atlanta infrastructure after SamSam ransomware.



- **75%** of breached companies were breached more than once (ESG Study).

The Root Cause: The 'Legacy' Architectural Bottleneck

Why traditional firewalls force you to choose between Security and Speed.



The Flaw: Built on legacy Squid Web-Proxy—conceived for caching, not security.



The Trap: Chaining external scripts creates massive context rehydration and queueing delays.



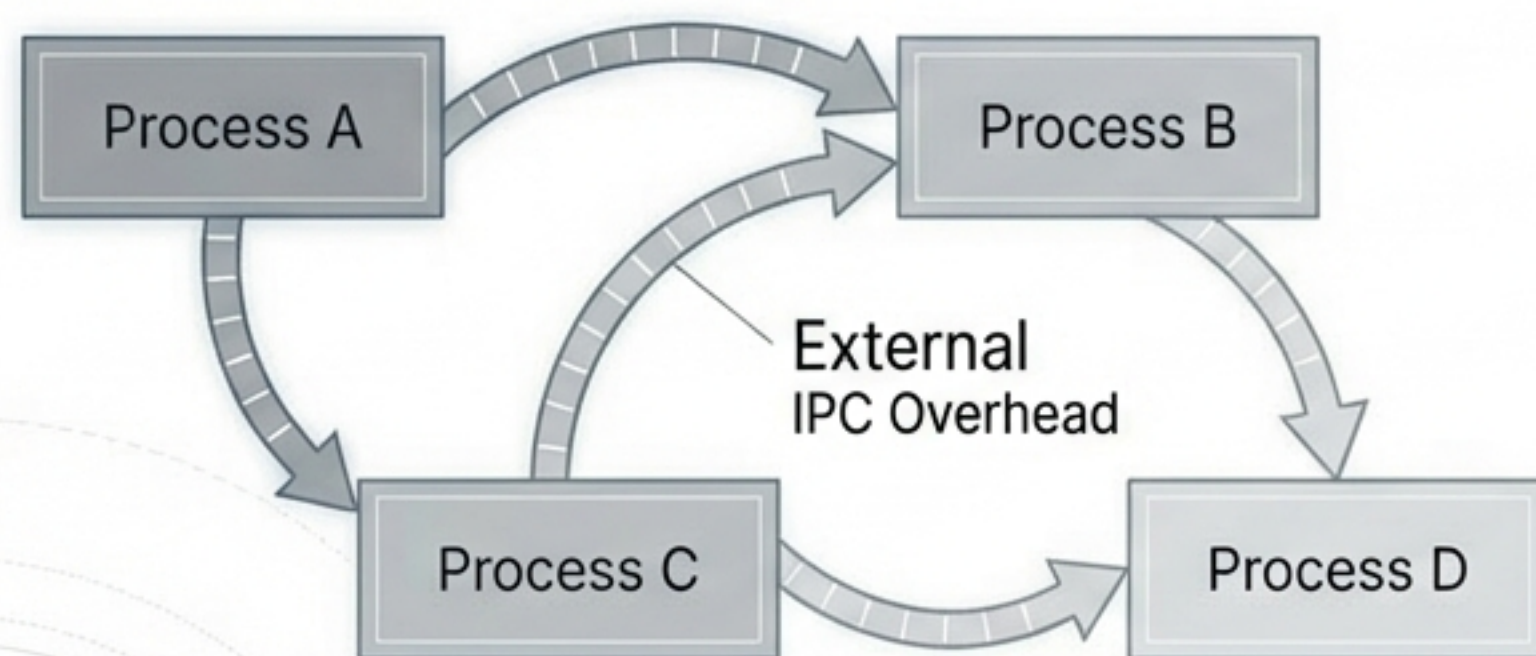
The Dilemma: IT is forced to disable HTTPS Inspection to preserve user experience, leaving the door open for threats.

The Paradigm Shift: Multi-Threaded vs. Multi-Process

Eliminating the processing bottleneck through Shared Memory Architecture.

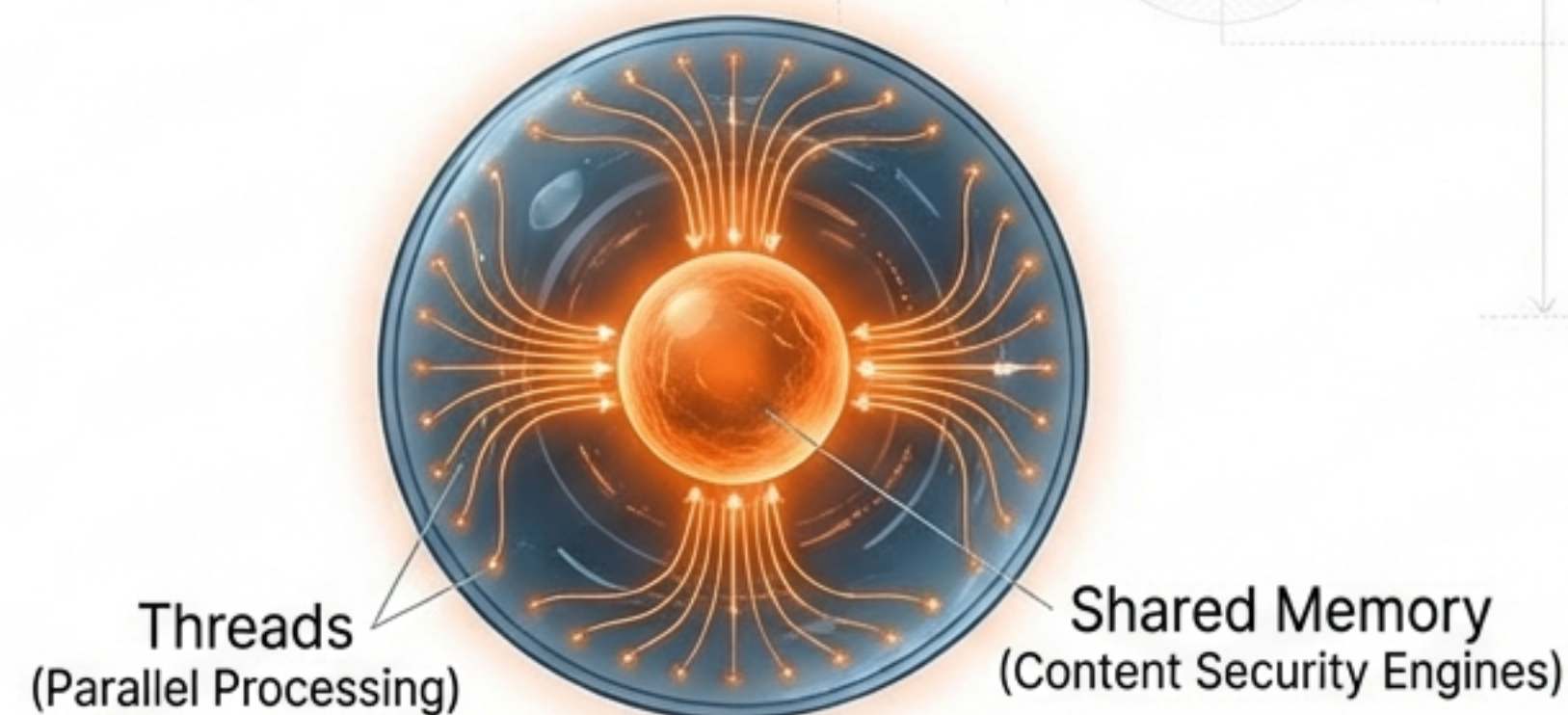
Legacy (Multi-Process)

Restricts sharing of structured data.
Requires external communication chains.



SafeSquid (Multi-Threaded)

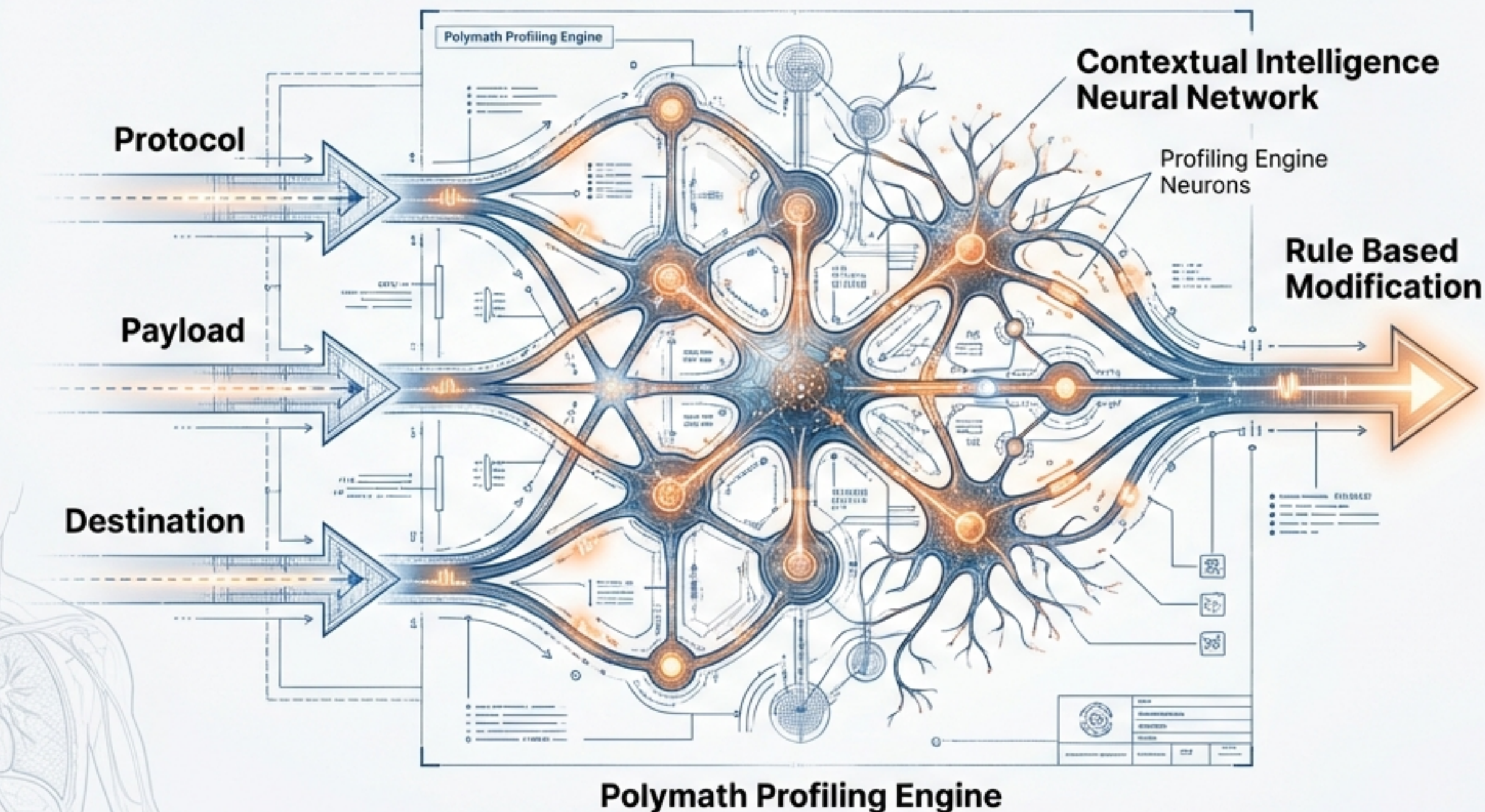
Compact MT network application. Content security loaded directly into Shared Memory.



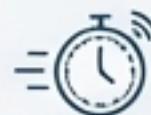
Benefit: ⌚ Zero-copy handoff between security engines. $\Rightarrow$ Efficient parallel processing.
⌚ No latency penalty for deep inspection.

Contextual Intelligence: A Neural Network for Traffic

'Profiling Engine Neurons' collaboratively classify data in real-time.



Neuron Collaboration: Profiling engine neurons classify each element of protocol and payload data structure collaboratively.



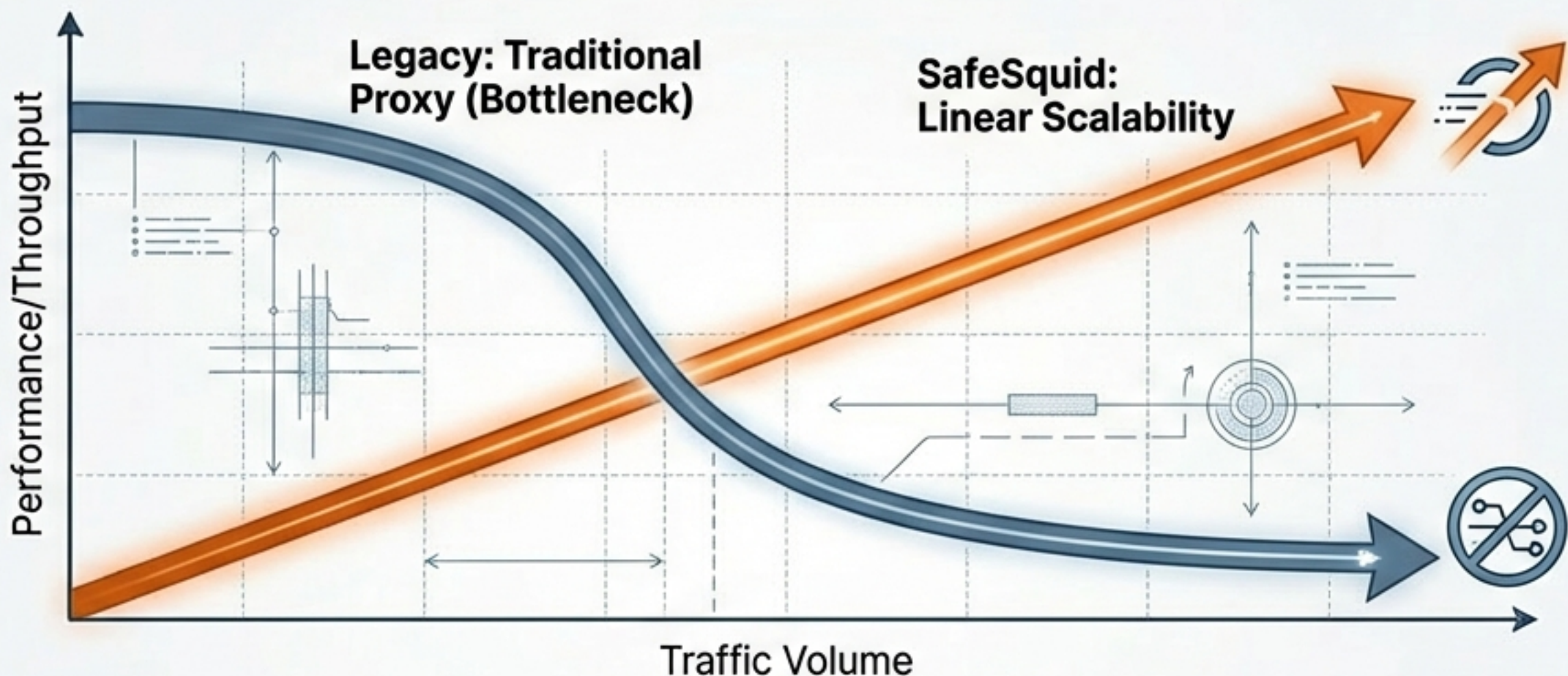
Real-Time Intelligence: Structured Data Pools share intelligence across all active connections instantly.



Correlation: Unravels protocol & payload data, validating it against policy before re-transmission.

Solving the HTTPS Inspection Challenge

Deep inspection of encrypted traffic without destroying user experience.



Key Insights:

- **The Myth:** 'Non-intrusive' inspection is a myth. Real security requires full decryption and re-encryption.
- **The Solution:** SafeSquid uses Parallel Execution and Connection Pooling.
- **The Result:** Full visibility into SSL/TLS traffic with negligible latency. Over 30% faster web experience than any Squid-based solution.

Zero-Trust in Practice: 'On-The-Wire' Sterilization

Real-time reassembly and validation of traffic.



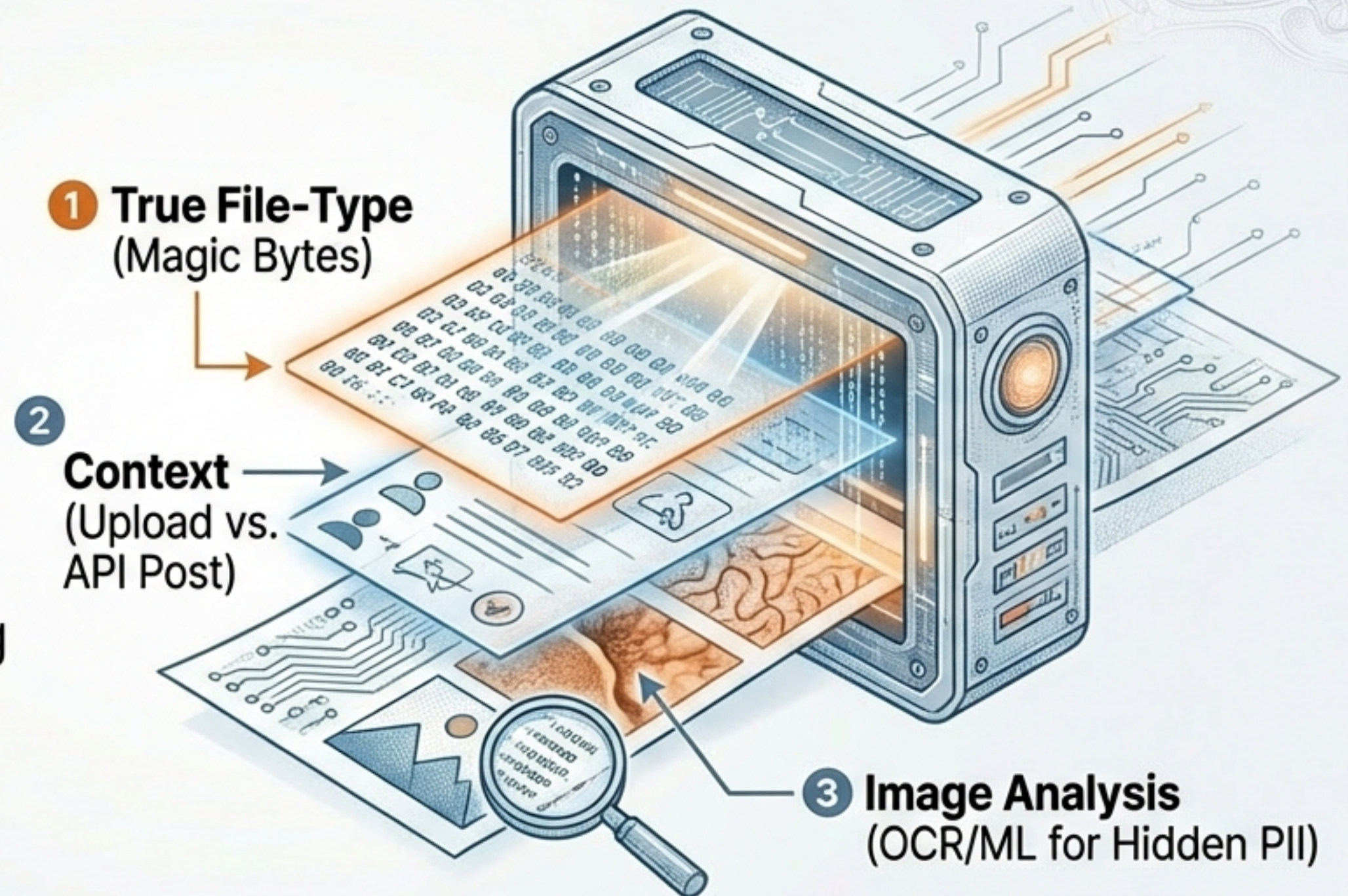
It is not enough to block. We must sterilize. The engine unravels data, checks against policy, and reassembles it before transmission. This stops dangerous content and its malicious intent before it crosses the perimeter.



Next-Gen Data Leakage Prevention (DLP)

Beyond basic filtering—Context-aware egress control for sanctioned apps.

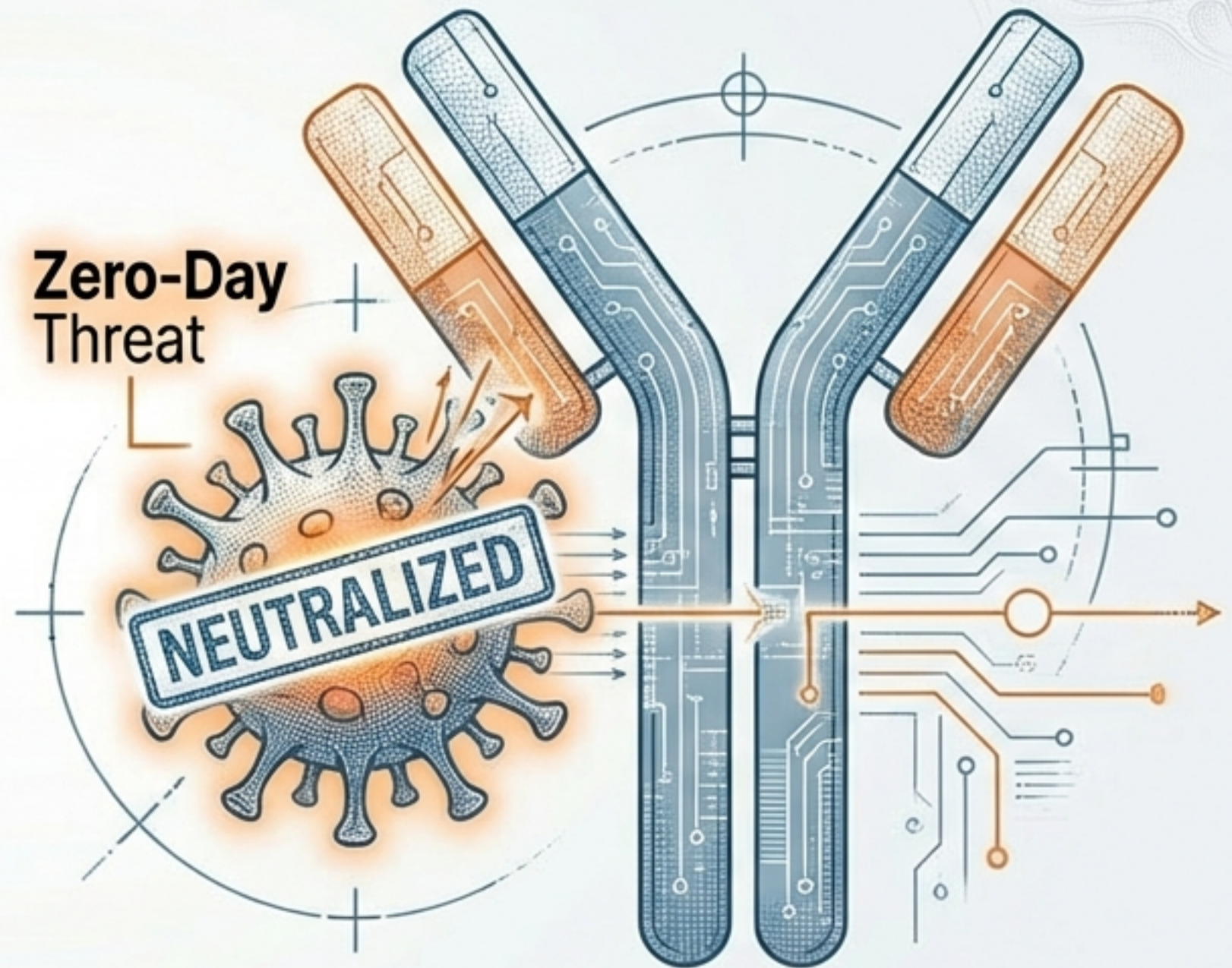
- **The Challenge:** Proprietary data moves through sanctioned apps like M365 and Google Workspace.
- **The Solution:** We don't ask "Is the site allowed?" We ask "Is this *data* allowed in this *context*?"
- **Capability:** Detects file spoofing (e.g., renaming .exe to .txt) and masks PII inside images in-transit.



Proactive Immunity Against **Phishing & Ransomware**

Defending against Zero-Day threats and behavior-altering attacks.

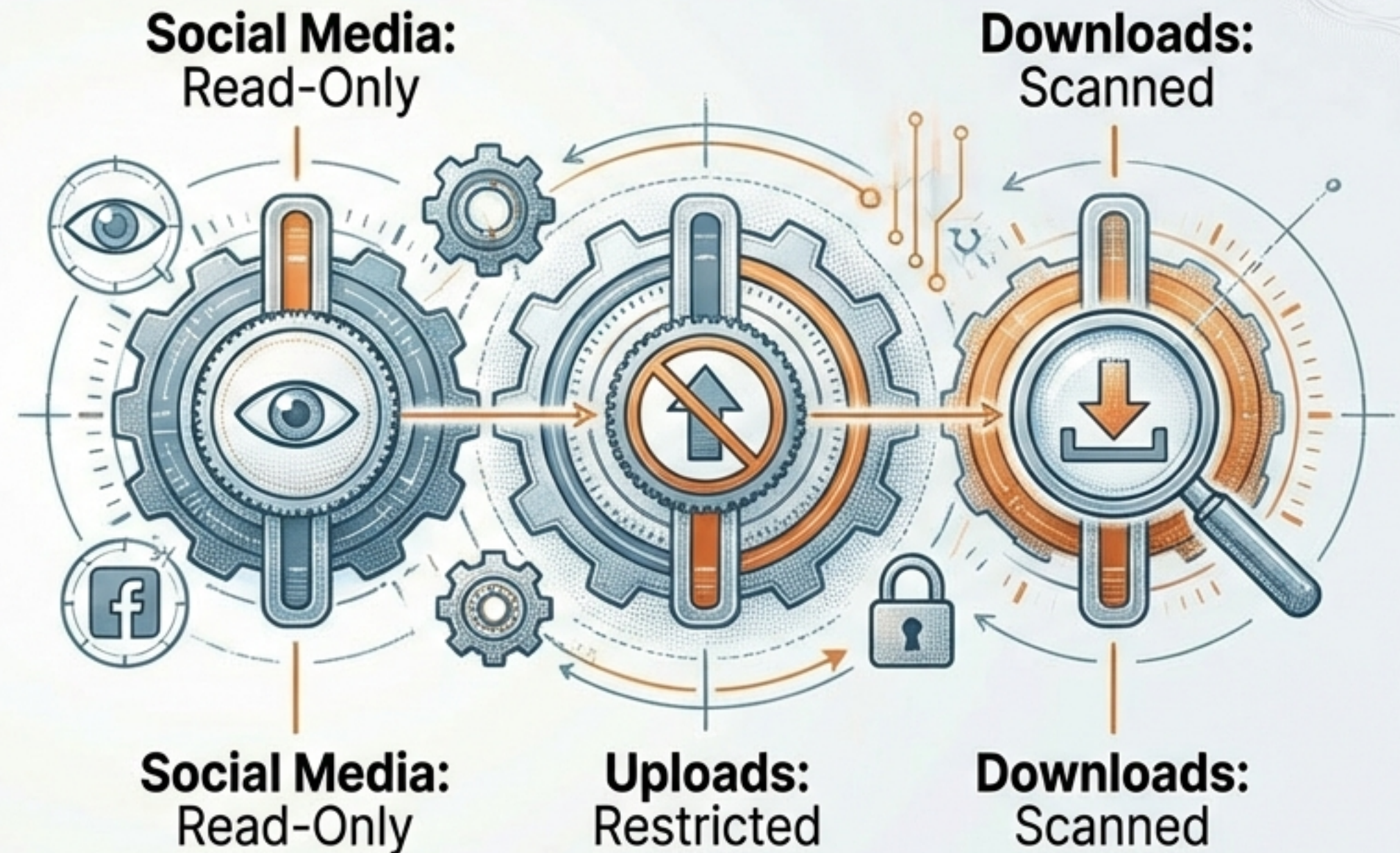
- **Key Defense Mechanisms:**
 - **Behavioral Analysis:** Stops threats by analyzing behavior, not just signatures.
 - **Anti-Phishing:** Prevents “Drive-by” downloads, homograph attacks, and credential theft.
 - **Ransomware Block:** Blocks command-and-control communication essential for ransomware execution.
 - Neutralize accidental clicks on links to untrusted web sites.



Granular Control for the Modern Workforce

Balancing productivity with business needs—Ending 'Cyber-Slacking.'

- **Web 2.0 Regulation:** Delimit usage. Allow read-only access to social media while blocking file uploads.
- **Privacy Shield:** Protect decision-makers from targeted advertising and behavior-altering attacks.
- **Outcome:** Ensure each network user gets web access to achieve goals seamlessly, yet securely.



The 'Open Architecture' Advantage

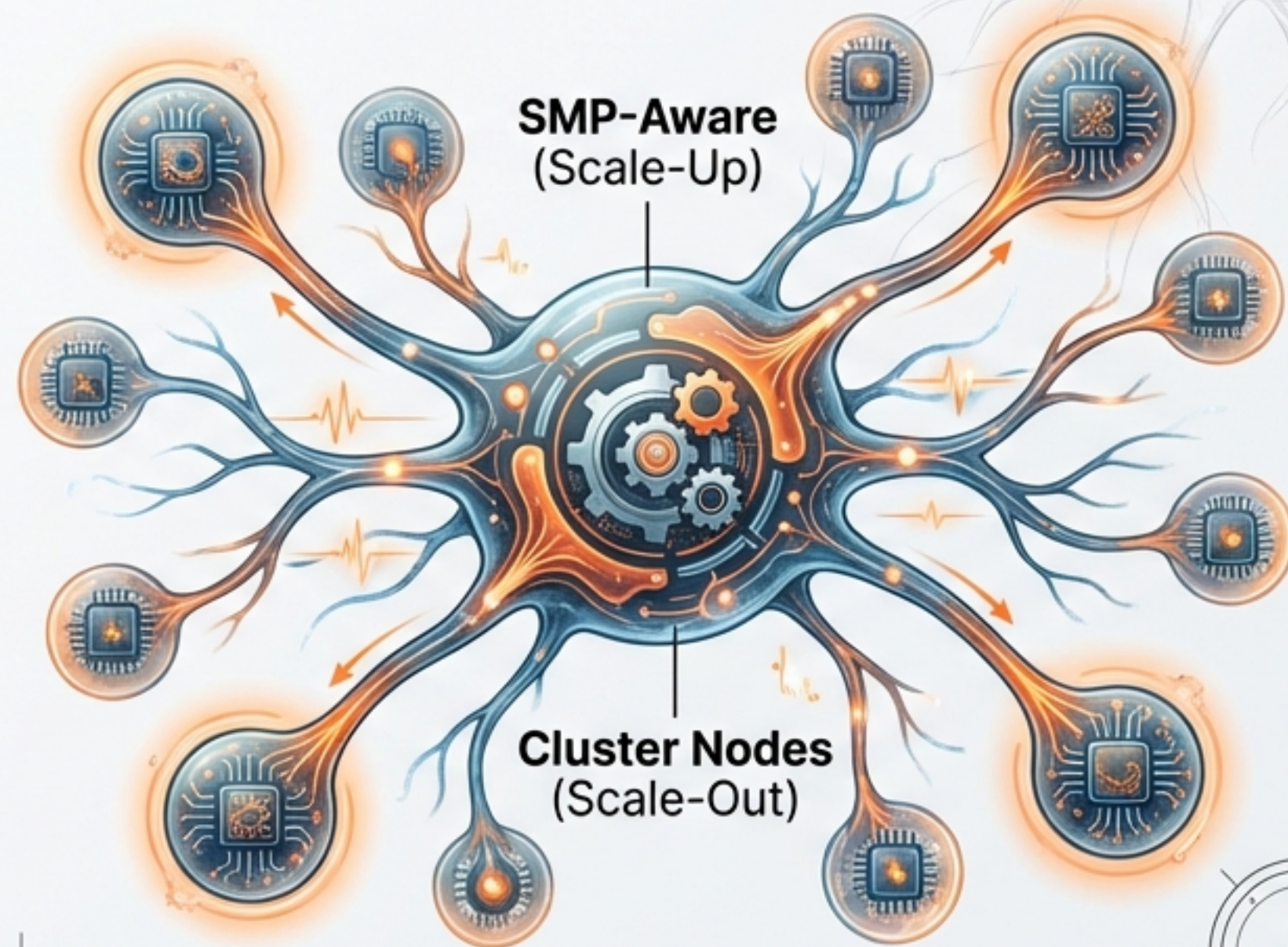
Core Architected to Scale-Up, Features Implemented to Scale-Out.

Scalability

- **SMP-Aware:** Natively utilizes all available CPU cores.
- **Clustering:** Effortless scale-out with seamless policy replication.

Flexibility

- **Deployment:** 100% Software-based. Run on Bare Metal, Virtualization, or Cloud.
- **Disaster Recovery:** Cloud-backed backup and restore of policies.



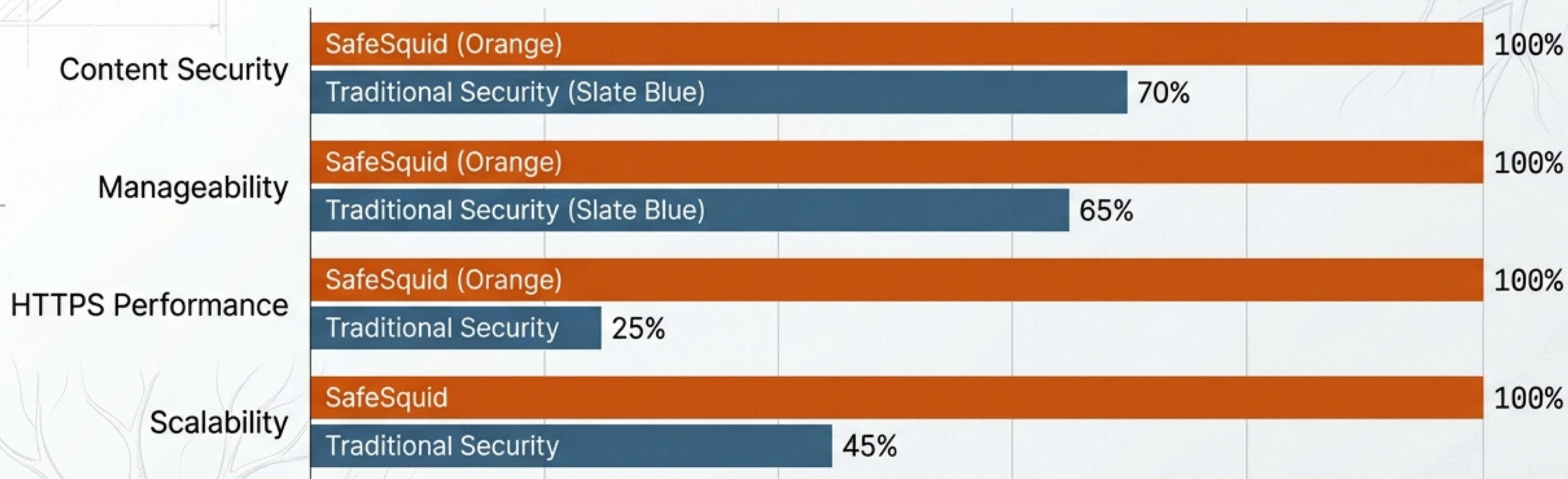
Strategic Sovereignty: The 'Make in India' Initiative

Securing independence from foreign-regulated threat intelligence.

- **Origin:** Developed by Office Efficiencies (India) to build India's cybersecurity sovereignty.
- **The Risk:** Prevents suppression of threat intelligence. Sensitive establishments must not rely on feeds regulated by foreign entities.
- **Trust:** Trusted by government bodies (NIC, C-DAC, CERT-IN) and securing over 20 Million+ users.



Comparative Advantage: SafeSquid vs. Traditional Solutions

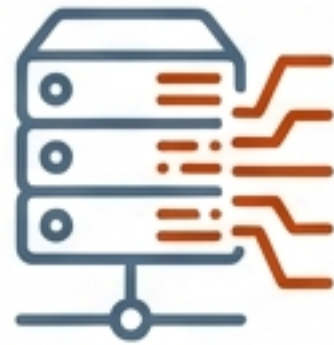


SafeSquid (Orange)
Traditional Security (Slate Blue)

SafeSquid offers more real-time content security capabilities than any traditional perimeter security solution.

Deployment: Easy to Try, Simple to Scale

From download to deployment in under 20 minutes.



Appliance
Builder (ISO)



In-Cloud SWG
(PaaS)



Self-Service
Activation

- Transform standard Intel servers into hardware appliances.
- SASE-ready: Protect off-premise users and integrate with VPN/SDN.
- Register for a free Product Activation Key instantly.

Maximize Return on Optimized Operations

Join the community of 20 Million+ secured users.

Stop compromising between security and speed.

Download SafeSquid Appliance Builder (Free)

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