



Zoning the Namespace: The Structural Blueprint for Child Online Safety

How write-gated internet infrastructure protects children at the source.

THE INTERNET HAS NO STRUCTURAL INTEGRITY

THE OPEN INTERNET IS AN UNSTRUCTURED, UNVERIFIED, UNLIMITED RIVER OF CONTENT. IT WAS NOT DESIGNED WITH CHILDREN IN MIND.

THE EXPOSURE LIMIT:

1 IN 3 CHILDREN ENCOUNTER HARMFUL ONLINE CONTENT BEFORE AGE 12.

THE PREDATORY REALITY:

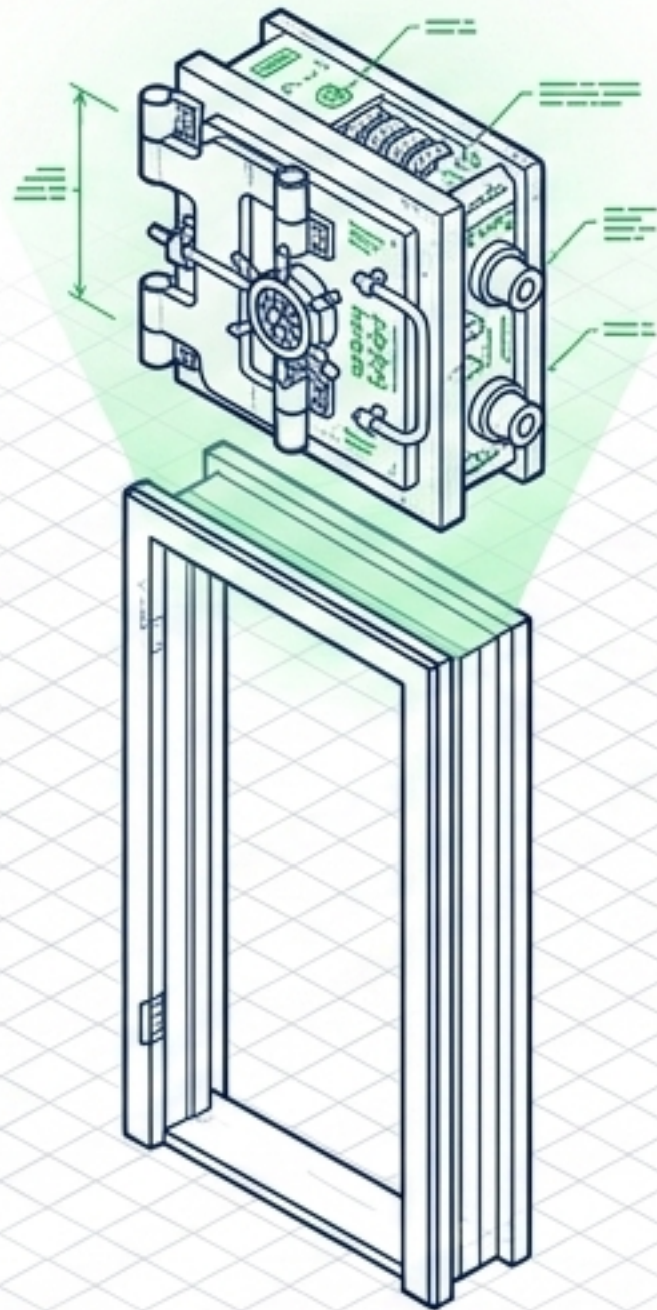
73% OF ONLINE CHILD SEXUAL ABUSE MATERIAL INVOLVES CHILDREN UNDER 13.

THE INVESTMENT GAP:

\$0 INVESTED IN INFRASTRUCTURE-LEVEL PREVENTION TO DATE.

“EVERY CHILD SAFETY PRODUCT DEPLOYED TODAY IS TRYING TO OPERATE UPSTREAM AGAINST AN UNSTRUCTURED OCEAN. THE RIVER IS TOO BIG. CHILDREN BYPASS EVERY SOLUTION BECAUSE THE SOLUTIONS ARE FIGHTING THE ARCHITECTURE OF THE INTERNET.”

A Lock on a Door With No Walls

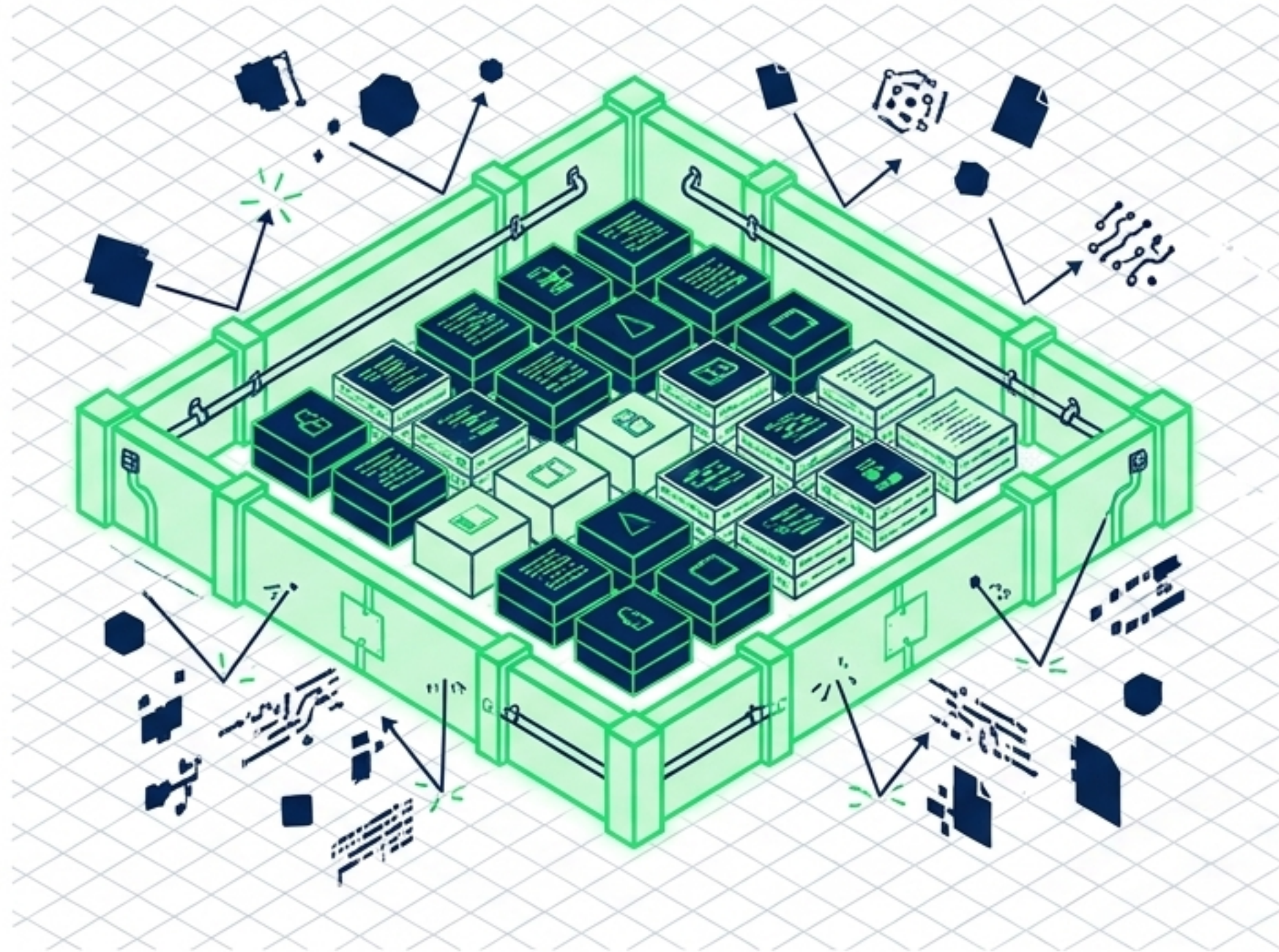


Geographic Mechanism Lost	Downstream Tech Substitute	Architectural Failure
Friction of Access →	Parental Controls & Device Locks 🔒	Easily bypassed at network boundaries; require constant parental technical competence. 🛠️
Pre-Admission Zoning 🛡️	DNS Filters & Age Verification 👁️	Bypassed by VPN activation; captures access point but not the content origin. 🌐
Community Norms →	Platform Content Moderation 👁️	Reactive by design; commissioned by platform interests rather than parental communities. 🛡️

Downstream filtration cannot achieve structural reliability. The solution is not a better filter. It is a separate water supply.

The Paradigm Shift: Pre-Admission Zoning

A domain address is a location. It is the one feature of the internet that behaves like property—which means it can be governed by a permitting process.



1. Additive Architecture:

Starts empty. Content is not filtered; it is admitted only if it meets the standard.



2. Bypass Immunity:

A VPN cannot circumvent .haven. Activating a VPN inside the namespace reveals only the content that already exists within it. Harmful content is structurally absent.



3. Architectural Consent

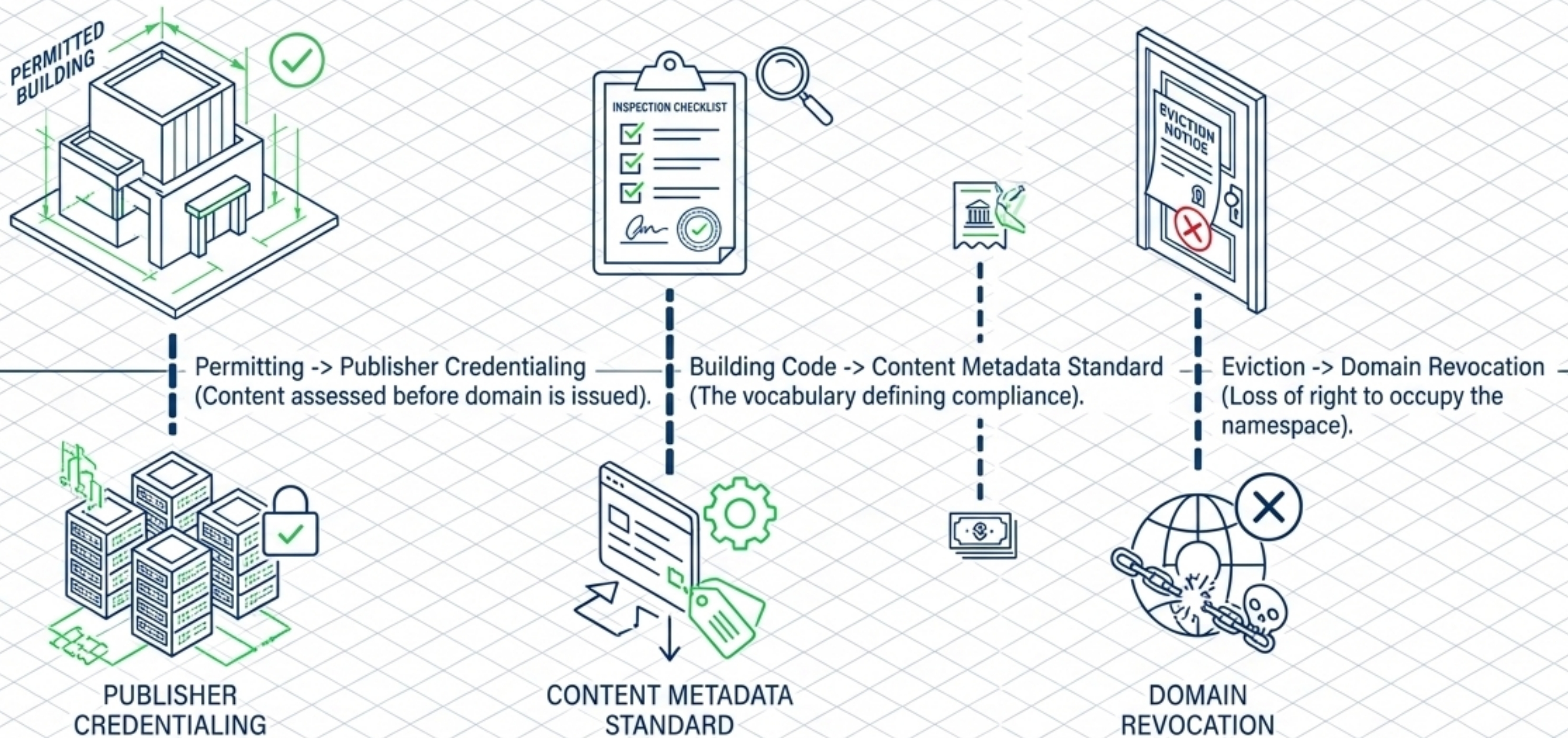
The parent configures household DNS to route through the namespace once. The consent is persistent and structural.



Upstream Prevention vs. Downstream Reaction

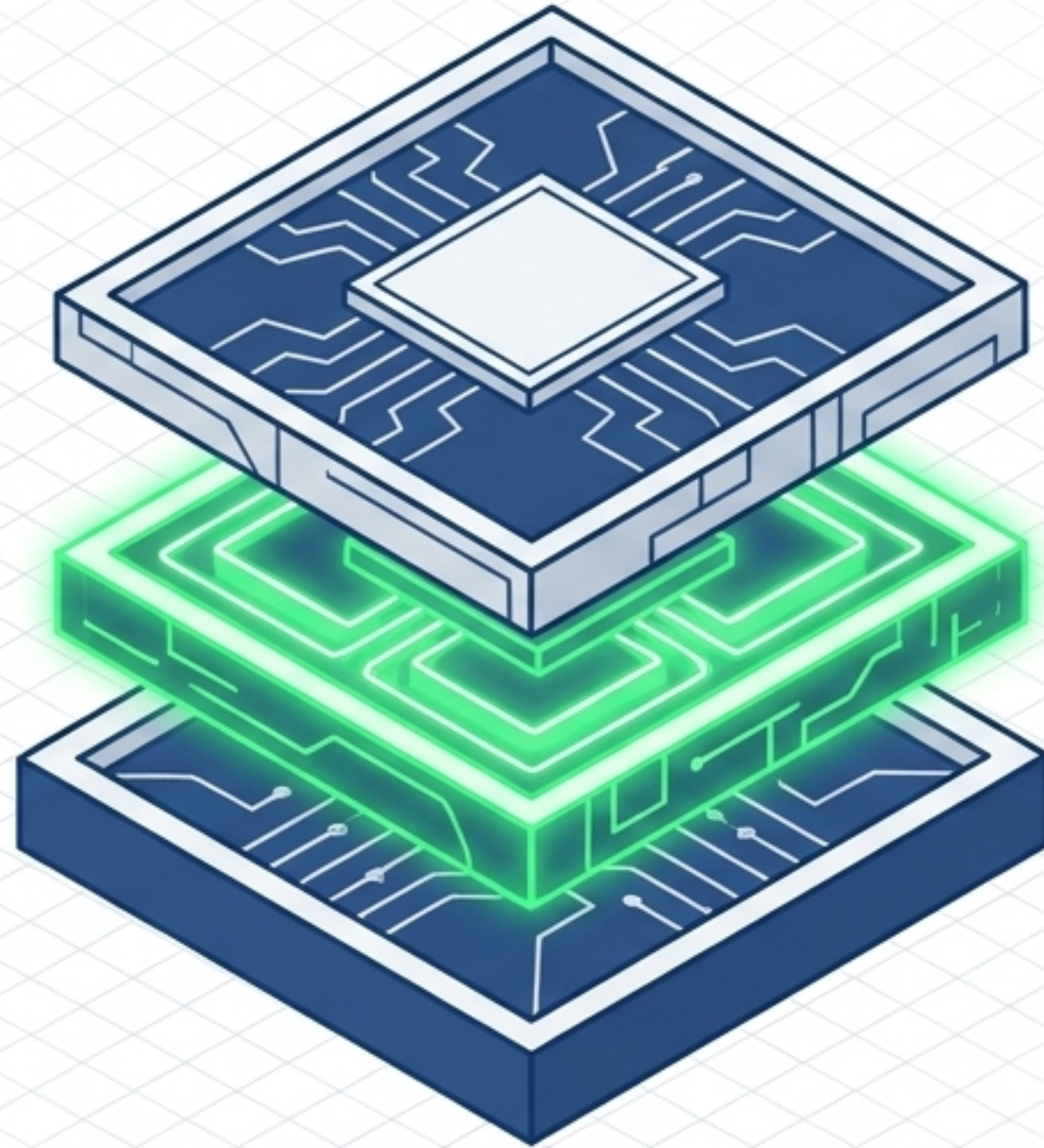
	Current Tech	.haven
Mechanism	Reactive blocklists after publication.	Publisher credentialed before domain is issued.
VPN Vulnerability	Complete bypass; VPN defeats resolver.	Zero bypass; unadmitted content simply does not exist.
Liability Profile	High; ISP acts as identity broker (COPPA risk).	Zero; ISP routes DNS only.
Revenue Model	Pure cost center & compliance burden.	Generates premium tier & verified data market.
Primary Beneficiary	Platforms (ad-tech ecosystem).	Families, ISPs, and Regulators.

The Digital Municipality: Applying Physical Zoning to the DNS



"The registry does not chase the content. It revokes the address. The harmful domain is evicted."

The KnuCode Technology Stack



Business Process Engine

Automates the publisher credentialing lifecycle, identity verification, registry agreement execution, and domain revocation at internet scale.

Metadata Standards Protocol

The licensable classification framework defining child-safe publishing. Co-developed with academic partners (QUT/ISL).

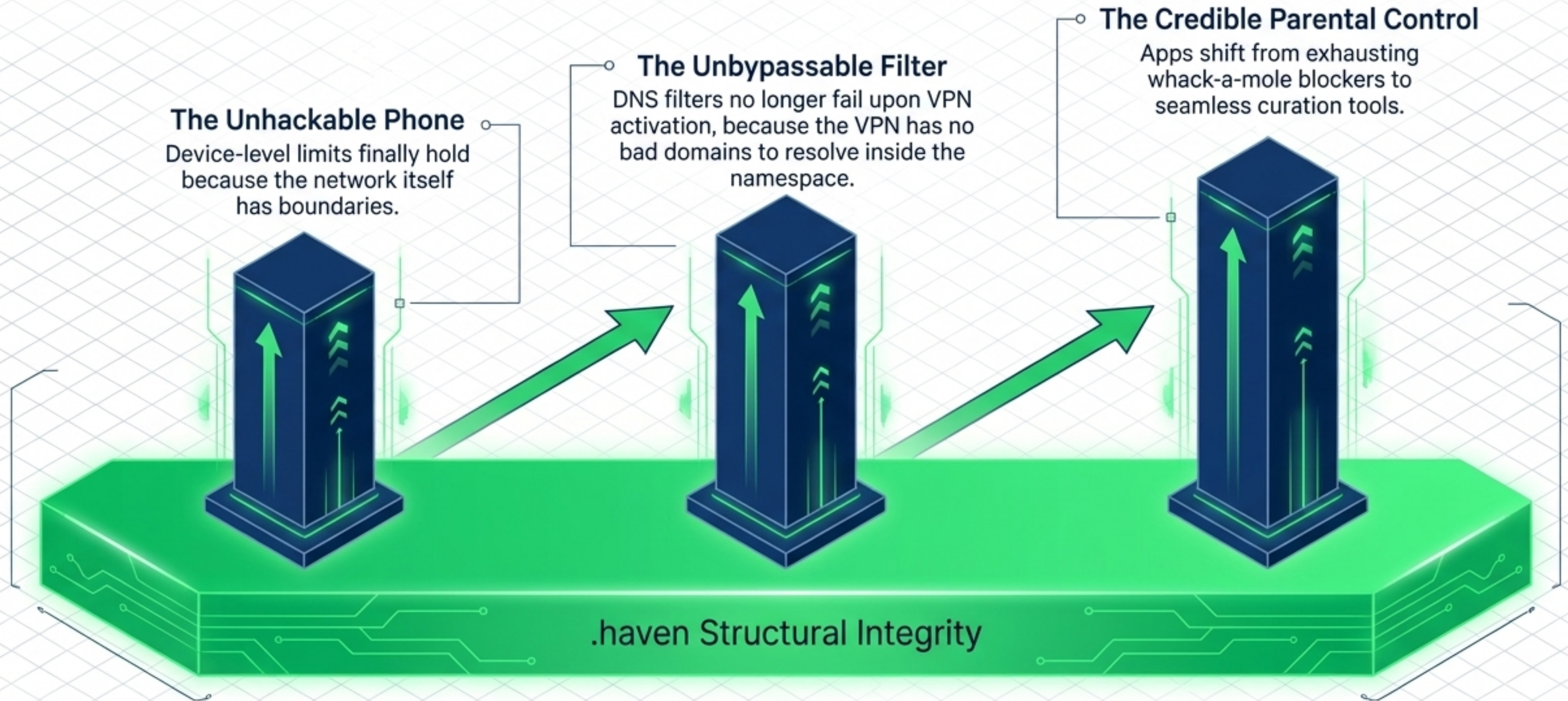
DNS Integration Layer

Embeds credentialing directly into the domain resolution path. Provisional patent filed February 2026.

This three-part architecture makes write-gated domain infrastructure operable and scalable for ISPs without manual bottlenecks.

The Tech Enabler: Salvaging ISP Child Safety Investments

Synthesis Insight: .haven is not a replacement for your existing safety tech. It is the infrastructure that makes your tech viable.



When the network has structural integrity, downstream investments finally deliver on their promises.

Parental Sovereignty & The Metadata Standard

The registry is not a censor. It is a standards body. The Metadata Standard functions as a nutrition label—a descriptive language, not a prescriptive mandate.

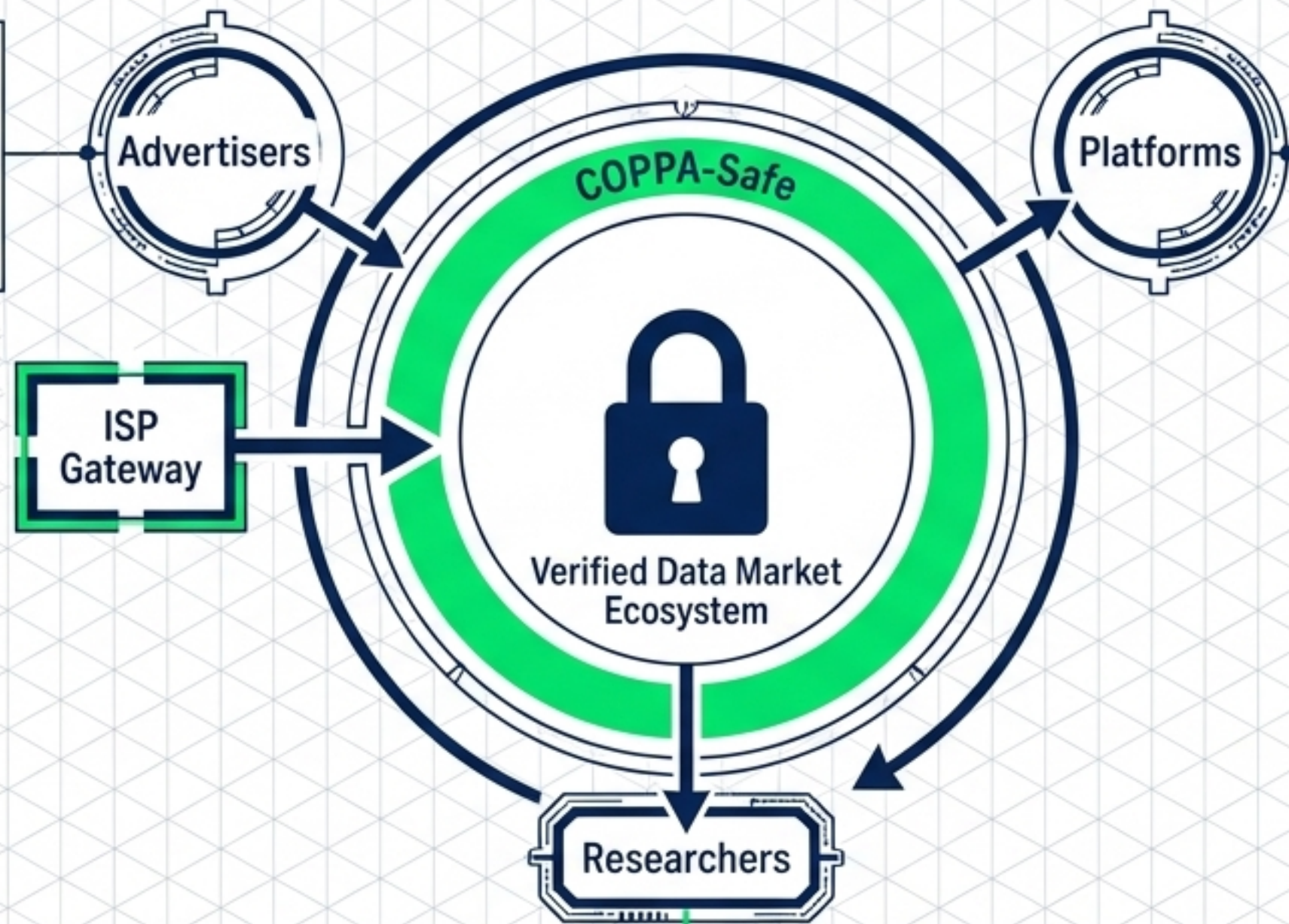


Content Character: Educational vs. Commercial.	Age Suitability: Structured age-bands & rationale.
Interaction Architecture: Read-only vs. Real-time comms.	Identity & Data: COPPA compliance tracking.
Community Standards: Multi-institutional alignment (Parents pick the trusted reviewer).	Governance: Publisher audit history.

The parent decides **what their child accesses**. The namespace merely provides the reliable infrastructure to enforce that choice.

The Verified Data Market: A New Commercial Proposition

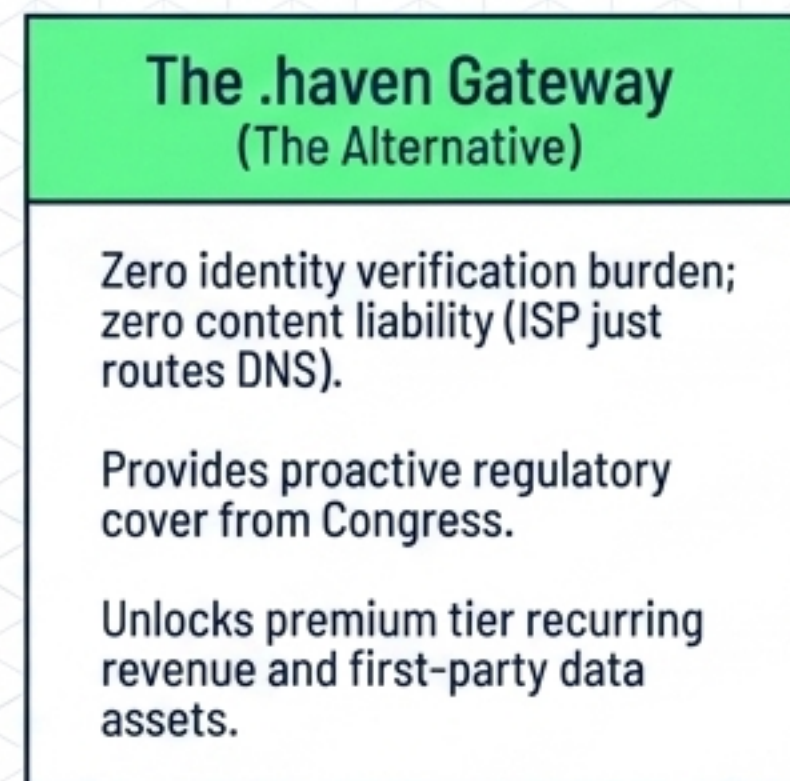
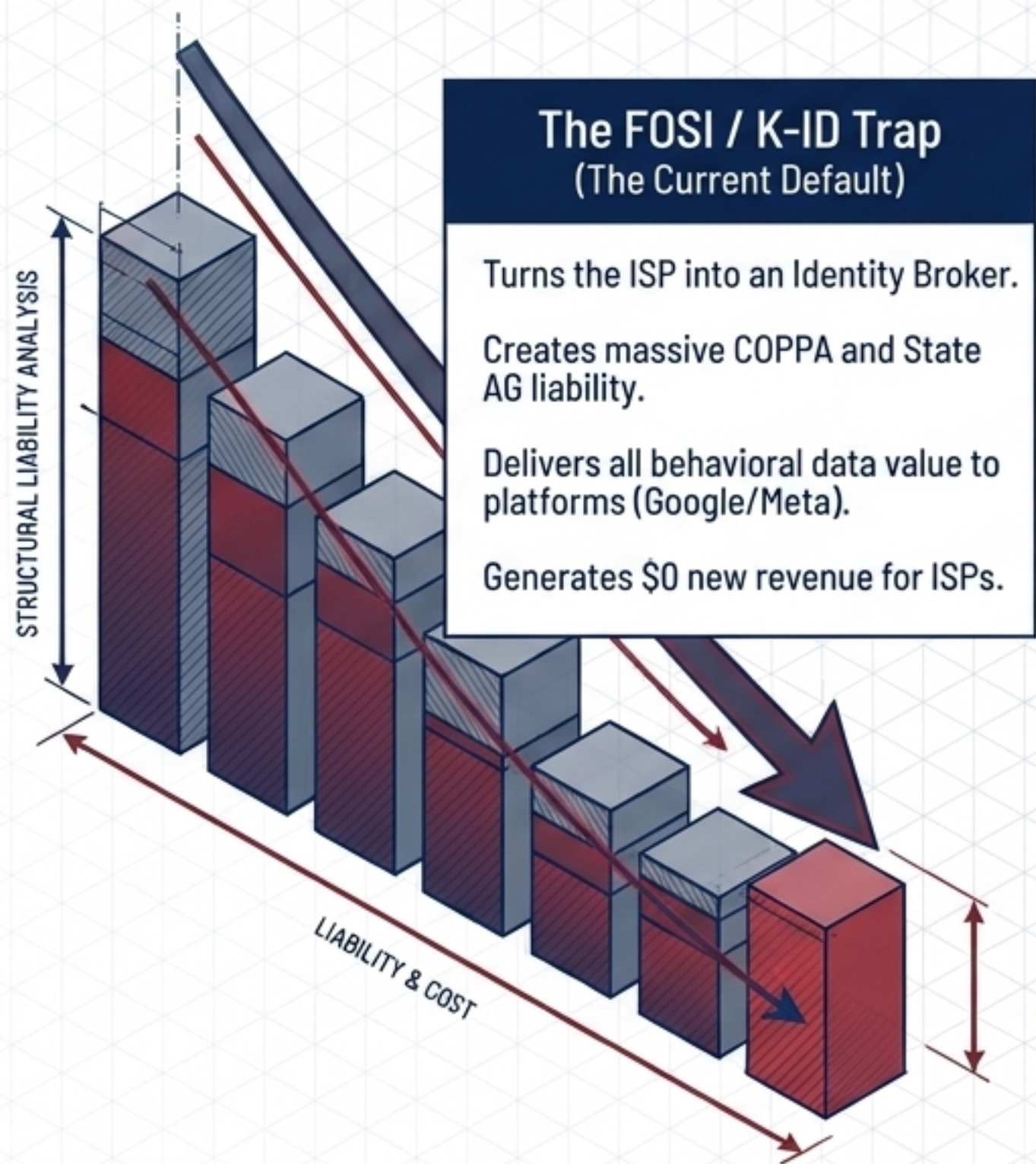
Advertisers, platforms, and researchers currently have no reliable, liability-free way to reach children in a COPPA-compliant environment.



A child inside .haven is a verified, consent-based user. Their behavioral data is generated within a namespace independently verified as child-safe.

This creates the world's first structurally verified child-safe behavioral dataset. It is a massive new commercial market, and the ISP is the exclusive gateway.

The ISP Value Stack: Escaping the FOSI Liability Trap



Premium Tier Revenue: The Family Safe Internet Opportunity

102 Million combined NCTA/US Telecom broadband subscribers. Offering a Family Safe tier at \$5–\$10/month requires zero new physical infrastructure.

Carrier	10% Adoption (@ \$10/mo/yr)	20% Adoption (@ \$10/mo/yr)
Comcast (32M subs)	\$384M/yr	\$768M/yr
Charter (30M subs)	\$360M/yr	\$720M/yr
AT&T (14M subs)	\$168M/yr	\$336M/yr
Verizon (9M subs)	\$108M/yr	\$216M/yr

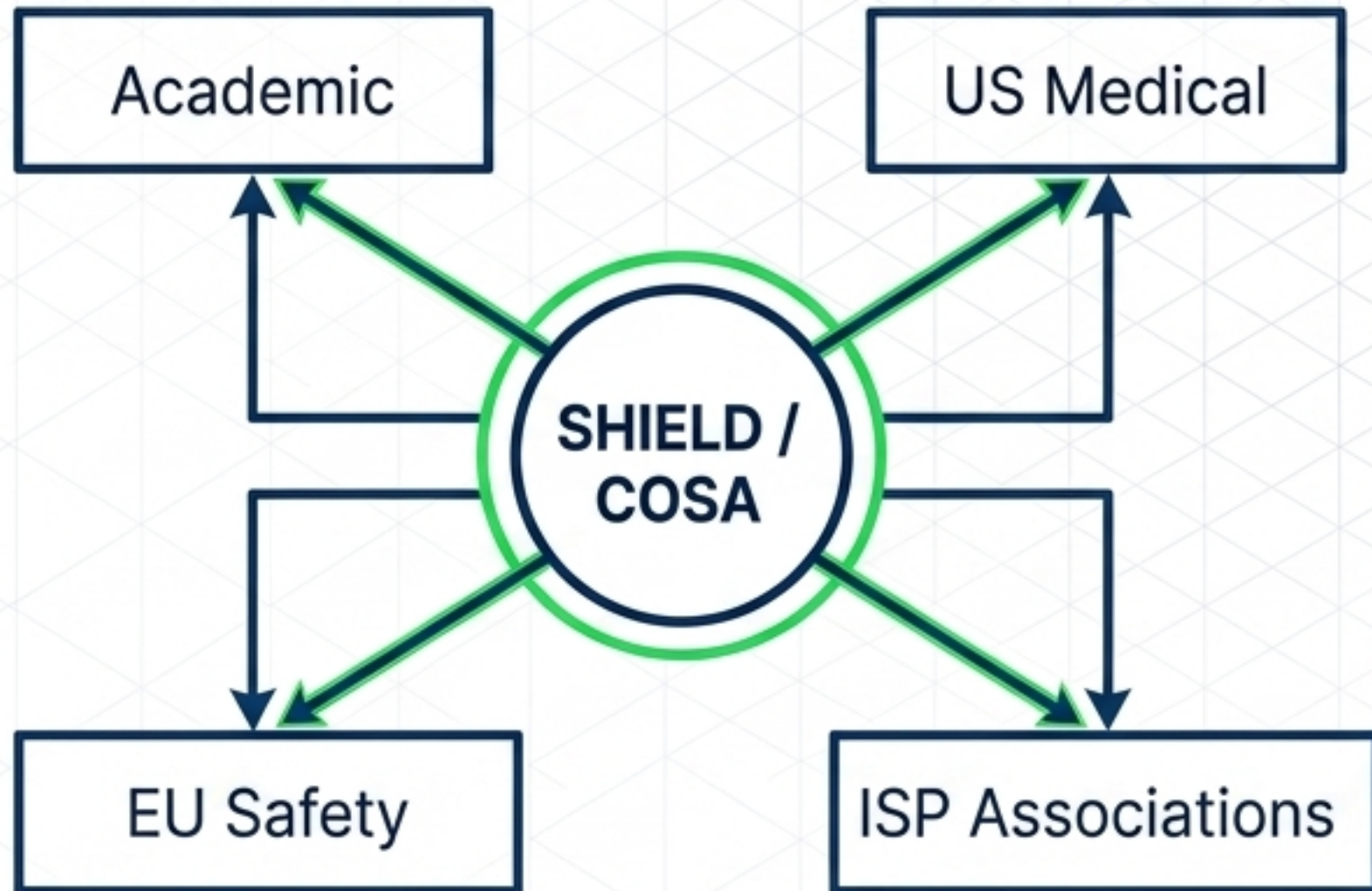
Total Industry Opportunity:
Indenduritry: **\$612**
Million to \$2.44 Billion
in annual recurring revenue.

This is a multi-billion dollar product category that simply does not exist today at any price.

The ICANN Coalition Strategy



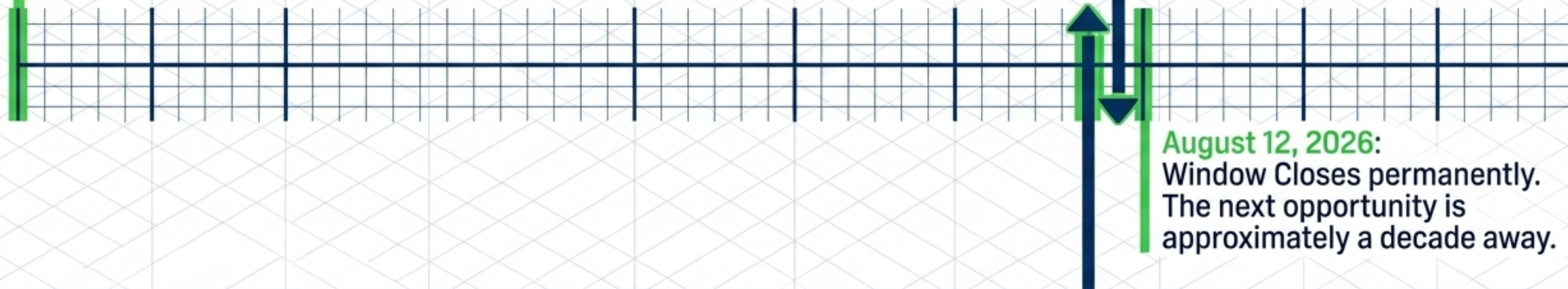
CPE Score Tracker:
12 of 16 Points



- **The Mechanism:** Application filed via SHIELD the Future (Applicant) and KnuCode / Child Online Safety Alliance (COSA) (**Governance**).
- **The CPE Reality:** Community applications must **score 12 of 16 points** to avoid a highest-bidder auction. To secure the **community endorsement points**, we require formal backing from recognized academic institutions (e.g., QUT), US medical bodies (e.g., AAP), and ISP associations.
- **American-First Deployment:** Launching via US carriers sets the global standard. Subsequent adopters (Five Eyes, EU) live with the terms American founding partners establish.

The Fixed Window & Capital Ask

April 30, 2026: ICANN
New gTLD Window Opened.



August 12, 2026:
Window Closes permanently.
The next opportunity is
approximately a decade away.

The \$511k Capital Requirement (Year 1 All-In Budget)

\$276,000: Application Phase
(ICANN \$242k + CORE Registry
Service Provider Support).

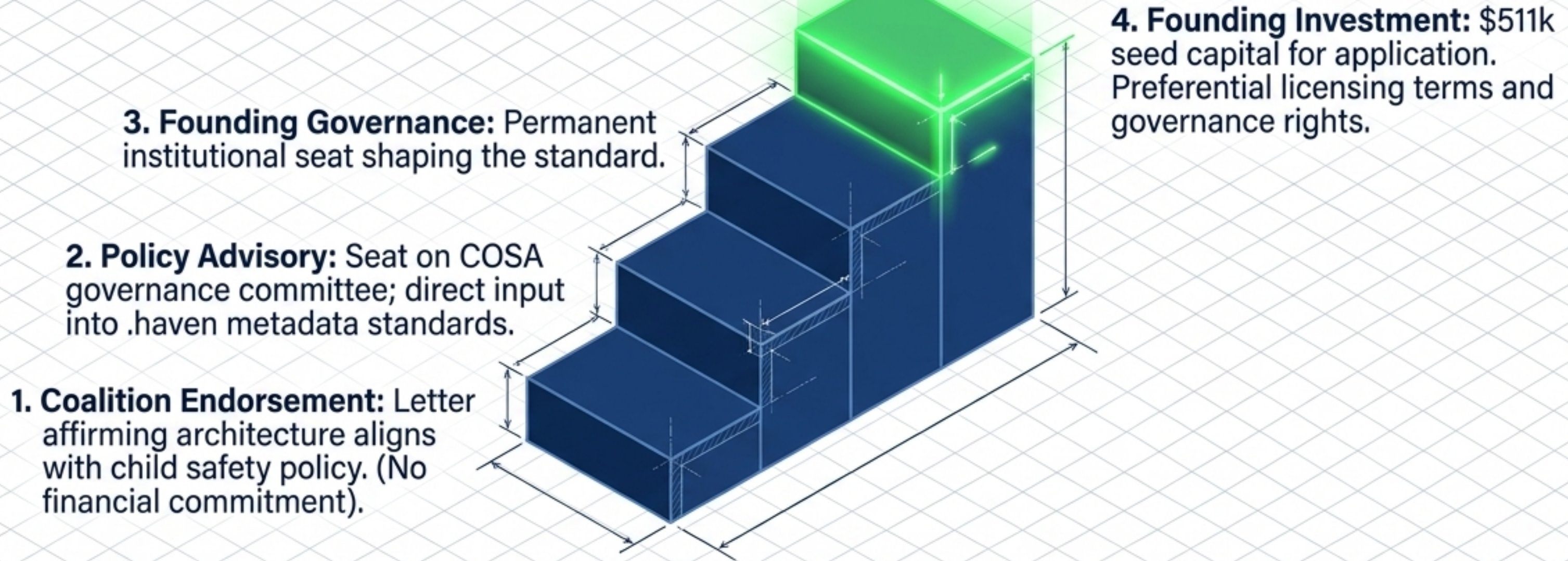
\$80,000: Metadata
Standard Development
& Credentialing
Infrastructure.

\$77,000: Year 1
Registry Operations
& Tech Testing.

\$78,000: Legal,
Formation,
Communications.

Registry Service Provider: CORE Association (Geneva) confirmed.

Founding Participants Set the Terms



“The internet needs a neighborhood where children are safe by design. KnuCode builds it.”