A TECHNICAL DESIGN ARCHITECTURE PROPOSAL

Extending Everpure Data Intelligence with a proposed Trust Passport layer

Across two real Everpure customer industries: healthcare and banking

Ananya Rangaraju · July 2026

THE SETUP

Why I Chose Healthcare and Banking

Starting point

I looked for where Everpure already has real customers.

Healthcare

Two named accounts, Legacy Health and Intermountain Health, already run Epic and PACS on Everpure at multi-petabyte scale.

Banking

A documented, anonymized European investment bank already credits Everpure with simplifying its compliance posture.

The pattern

One architecture, adapted to a US sectoral law on one side and an EU rights-based law on the other: same shape, different rules.

HEALTHCARE · HIPAA

Where I See the Opening

PHI vs. de-identified: the line no one automates yet

Legacy Health and Intermountain Health already prove Everpure handles Epic and PACS at multi-petabyte scale. Reading both case studies closely, I noticed neither describes an automated way to tell live PHI apart from data that's already de-identified, and that's exactly what decides how fast an AI copilot can safely use it.

2

ACCOUNTS

Legacy Health and Intermountain Health already run Epic and PACS on Everpure at multi-petabyte scale

6.5 PB

SCANNED

What 1touch.io's classification pilot found once it actually scanned this kind of environment

83%

FOOTPRINT REDUCTION

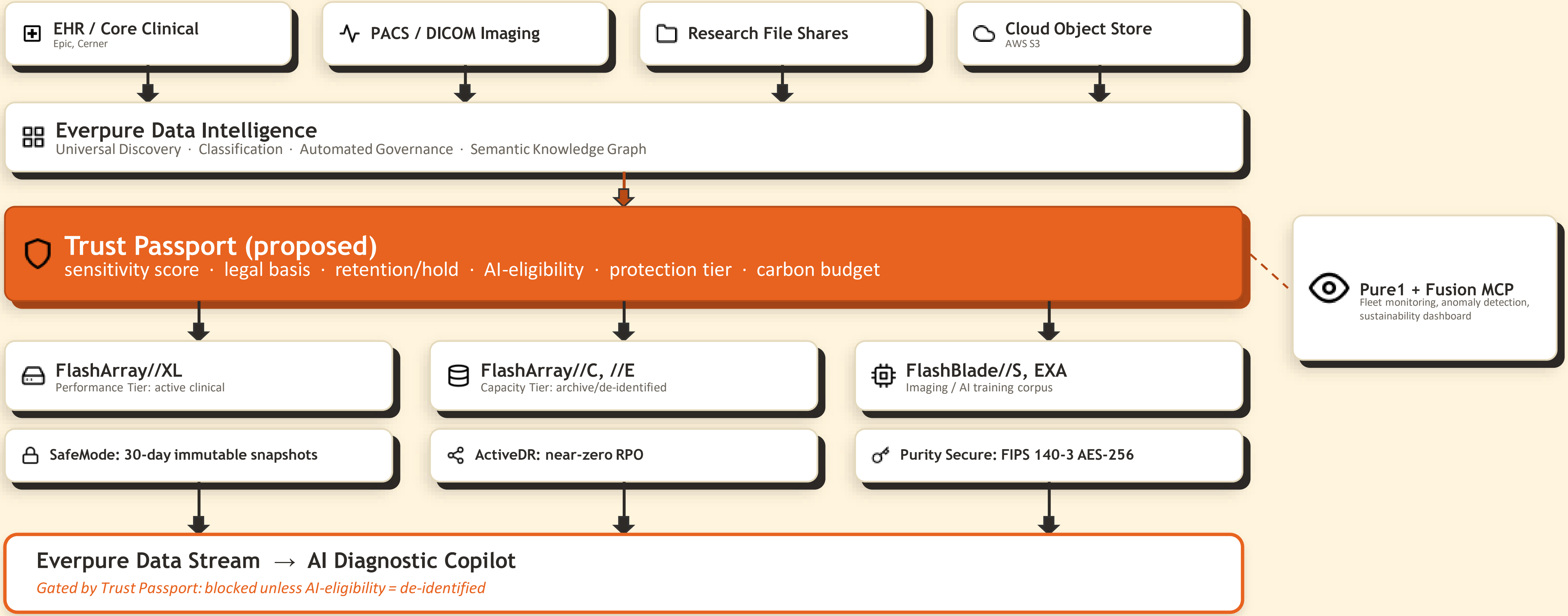
The footprint drop 1touch.io documented once that same data was properly classified

Source:
Legacy Health : https://www.purestorage.com/customers/legacy-health.html
Intermountain Health: https://www.purestorage.com/content/dam/pdf/en/case-studies/cs-intermountain-health.pdf
HIPAA Journal : https://www.hipaajournal.com/kettering-health-ransomware-attack/
The Record : https://therecord.media/mclaren-health-care-data-breach-notification-ransomware
1touch.io : https://www.1touch.io/industries/healthcare

HEALTHCARE · HIPAA

The Architecture I’m Proposing

Proposed layer   Existing capability



Source:
Legacy Health : https://www.purestorage.com/customers/legacy-health.html
Intermountain Health : https://www.purestorage.com/content/dam/pdf/en/case-studies/cs-intermountain-health.pdf

BANKING · GDPR/DORA

Where I See the Opening

Infrastructure transparency is not dataset-level compliance

Everpure's own case study, "Transforming the Modern Banking Experience," already has a European bank crediting the storage modernization with simplifying compliance. Reading that claim closely, I noticed it describes infrastructure transparency, not dataset-level classification, subject-request automation, or the new DORA reporting obligation.

$1,524

PER MANUAL DSAR

What it costs to fulfill one manual data-subject request by hand, per Clym's 2026 research

$1.8M/yr

COST AT SCALE

The annualized cost of handling DSARs this way once request volume scales up

~22,000

EU ENTITIES

The number of entities regulation-dora.eu counts as in scope under DORA

Apr 30

ANNUAL DEADLINE

The date every in-scope entity owes its Register-of-Information filing

Source:
Transforming the Modern Banking Experience : https://www.purestorage.com/customers/fsi.html
regulation-dora.eu : https://www.regulation-dora.eu/banking
PrivacyWire : https://privacywire.org/industry/italy-data-protection-agency-fines-intesa-sanpaolo-mar-2026
Clym, 2026 : https://www.clym.io/blog/data-subject-access-requests-guide

BANKING · GDPR/DORA

The Architecture I'm Proposing

Proposed layer

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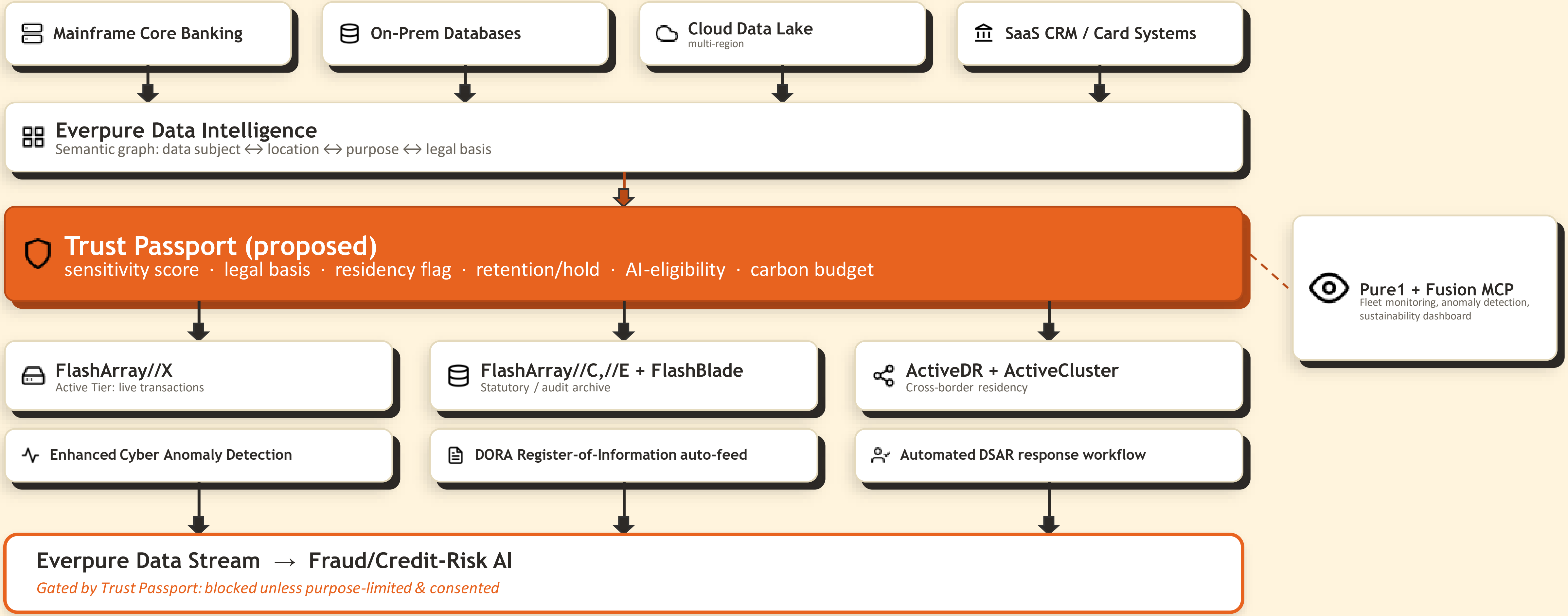

Source:

Transforming the Modern Banking Experience : https://www.purestorage.com/customers/fsi.html

regulation-dora.eu : https://www.regulation-dora.eu/banking

THE MECHANISM

The Trust Passport: How It Works

One portable metadata record, attached to every dataset the moment Data Intelligence discovers it, carrying seven fields that five systems Everpure already ships can act on automatically.

TRUST PASSPORT

- Classification / sensitivity score
- Applicable regulation (HIPAA/GDPR/DORA)
- Legal basis / consent
- Retention expiry + legal hold
- AI-use eligibility
- Required protection tier
- Live carbon / energy budget

Fusion Policy Engine

Auto-tier data between FA//X ↔ FA//C,E ↔ FlashBlade

Data Stream Gate

Block/allow entry to AI/RAG ingestion

SafeMode + Purity Secure

Set immutability window + encryption strength

Pure1 Sustainability Dashboard

Per-classification carbon/energy reporting

Defensible Deletion Workflow

Auto-expire data on retention end

THE RATIONALE

Why I Added This Layer

The connective piece

Data Intelligence already classifies at discovery time, and Fusion's Workload Rebalance & Mobility already moves data between tiers. I noticed those two capabilities aren't formally linked yet, so the Trust Passport is what I'd use to link them.

Additive by design

Every downstream system keeps working exactly as it does today. I'm not asking for a rebuild, just for one more object to pass between systems that already exist.

A gap I found in the market

None of the DSPM specialists I looked at, BigID, Varonis, Cyera, and Securiti, pair a classifier with the physical storage layer the way this design would.

A sustainability angle, built in

Because the passport already tracks a live carbon/energy field, it plugs straight into the Pure1 Sustainability Dashboard and Everpure's own published efficiency numbers.

Source: **Everpure Sustainability Leadership** : https://www.everpuredata.com/company/newsroom/press-releases/pure-extends-leadership-in-sustainability.html

THE PAYOFF

One Architecture, Two Laws

Healthcare (HIPAA)

Data sources	EHR, PACS, research shares, cloud object store
Classification layer	Universal discovery + semantic graph
Proposed layer	sensitivity, legal basis, retention, AI-eligibility, protection tier
Storage tiers	FlashArray//XL → //C,//E → FlashBlade//S,EXA
Gated AI use case	AI Diagnostic Copilot (de-identified only)
Regulatory anchor	HIPAA

Banking (GDPR/DORA)

Data sources	Mainframe, on-prem DB, data lake, SaaS CRM
Classification layer	Universal discovery + semantic graph
Proposed layer	sensitivity, legal basis, residency, AI-eligibility
Storage tiers	FlashArray//X → //C,//E + FlashBlade → ActiveDR/Cluster
Gated AI use case	Fraud/Credit-Risk AI (purpose-limited & consented)
Regulatory anchor	GDPR / DORA

I designed this so the shape doesn't change between a sectoral law and a rights-based law. To me, that reusability is the strongest evidence this pattern extends to any other regulated industry.

AN OPEN QUESTION

I picked healthcare and banking because they gave me the clearest, most citable path to real Everpure customers. If another regulated industry (insurance, government, life sciences, anything) feels like the next place this architecture should go, guide me through the problem statement, and I'll bring back a solution built the same way.

Insurance

Government

Life Sciences

Anything

Thank you, Ananya Rangaraju