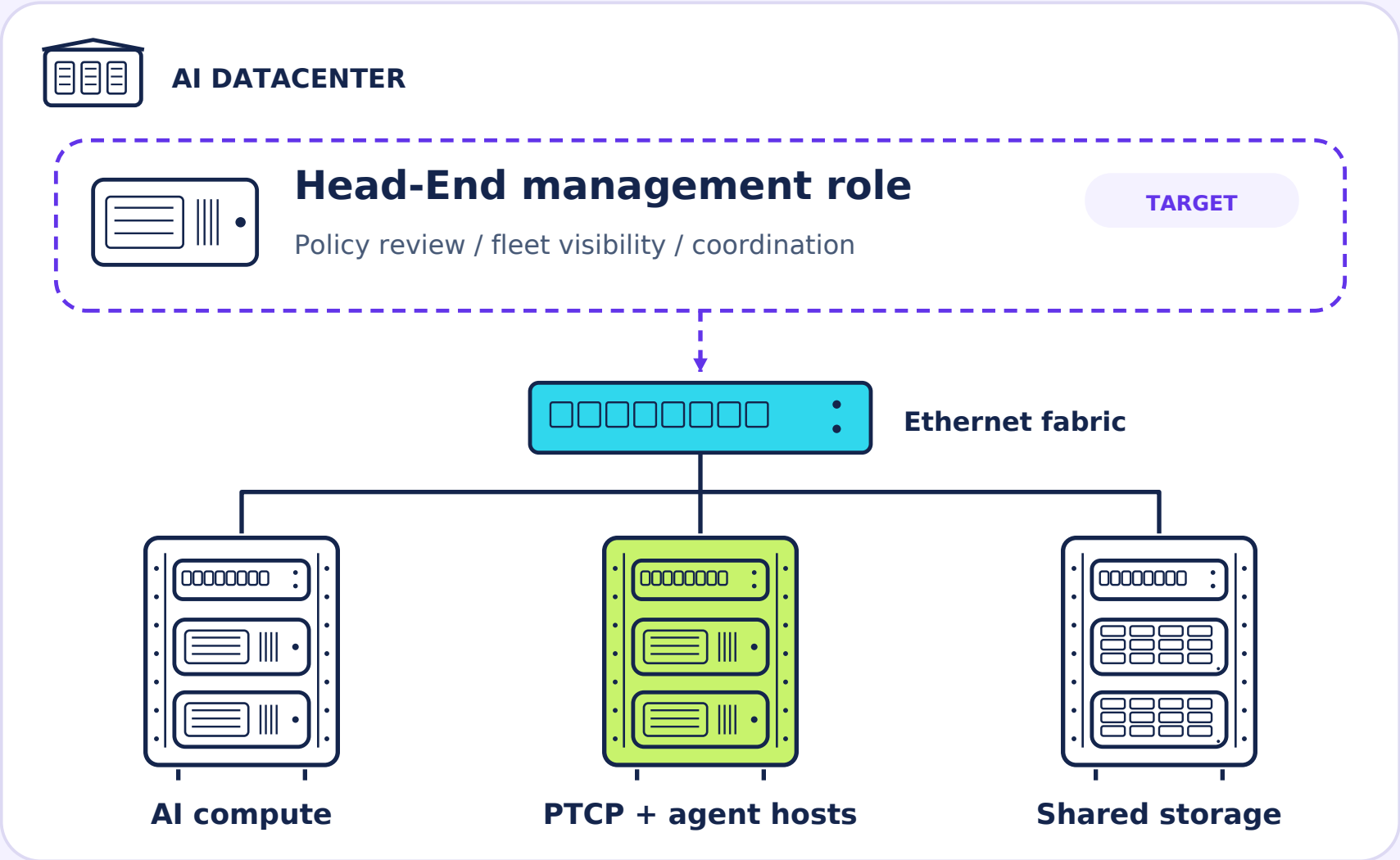


The trust layer for intelligent infrastructure.

Place authority near the AI workload. Connect supervision to the infrastructure around it.

HIGH-LEVEL REFERENCE DESIGN

v362 code + integration design



— Workload data

- - - Integration design

— Observation

TRUST

Bound actions to approved authority.

EFFICIENCY

Target more useful AI output per dollar.

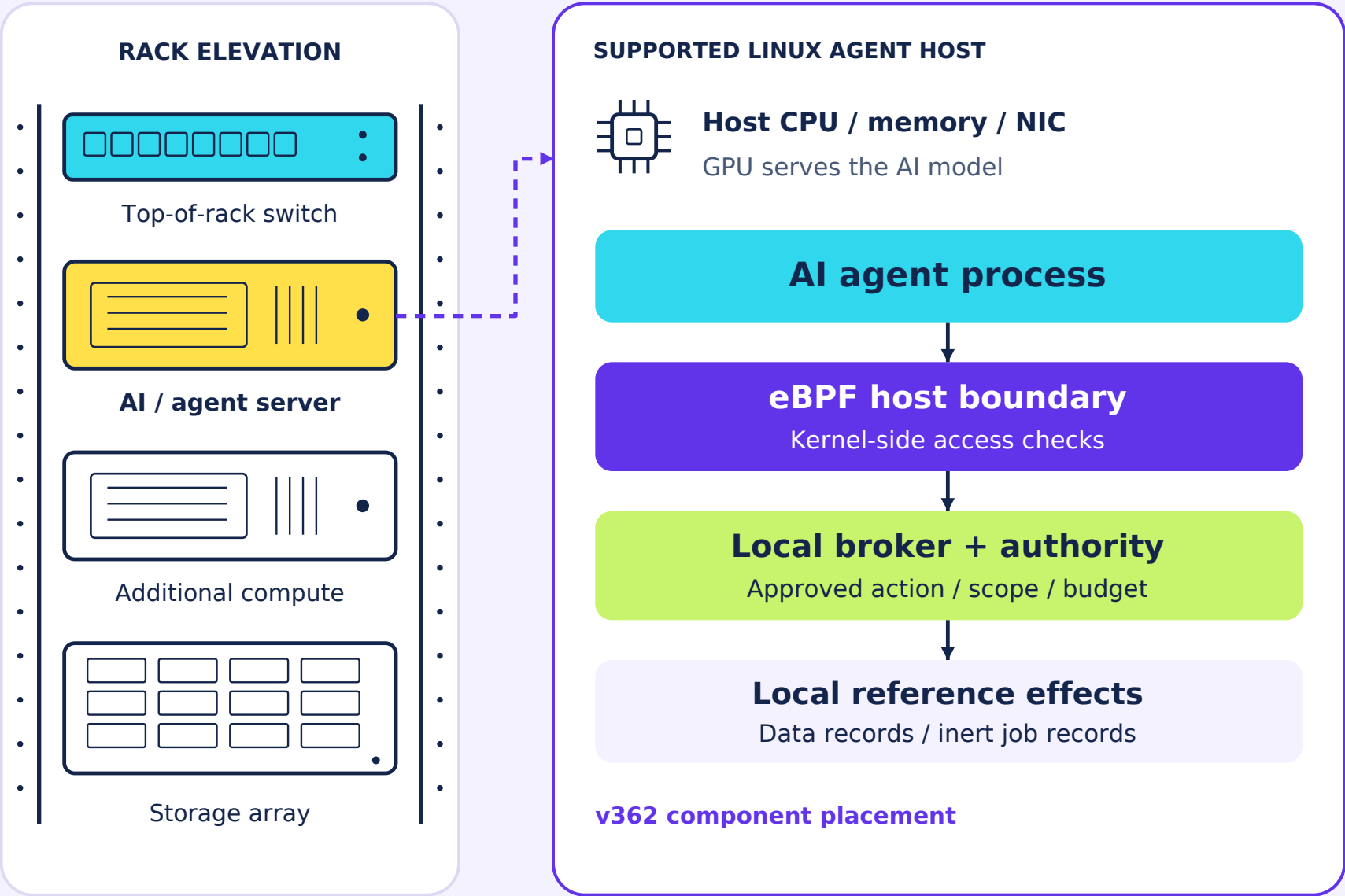
INTEGRATION

Build on existing compute, fabric and storage.

Illustrative deployment. Hardware actuation and remote fleet management are integration targets.

From the rack to the server boundary.

PTCP trust services reside on the supported Linux agent host, outside the agent's own privileges.



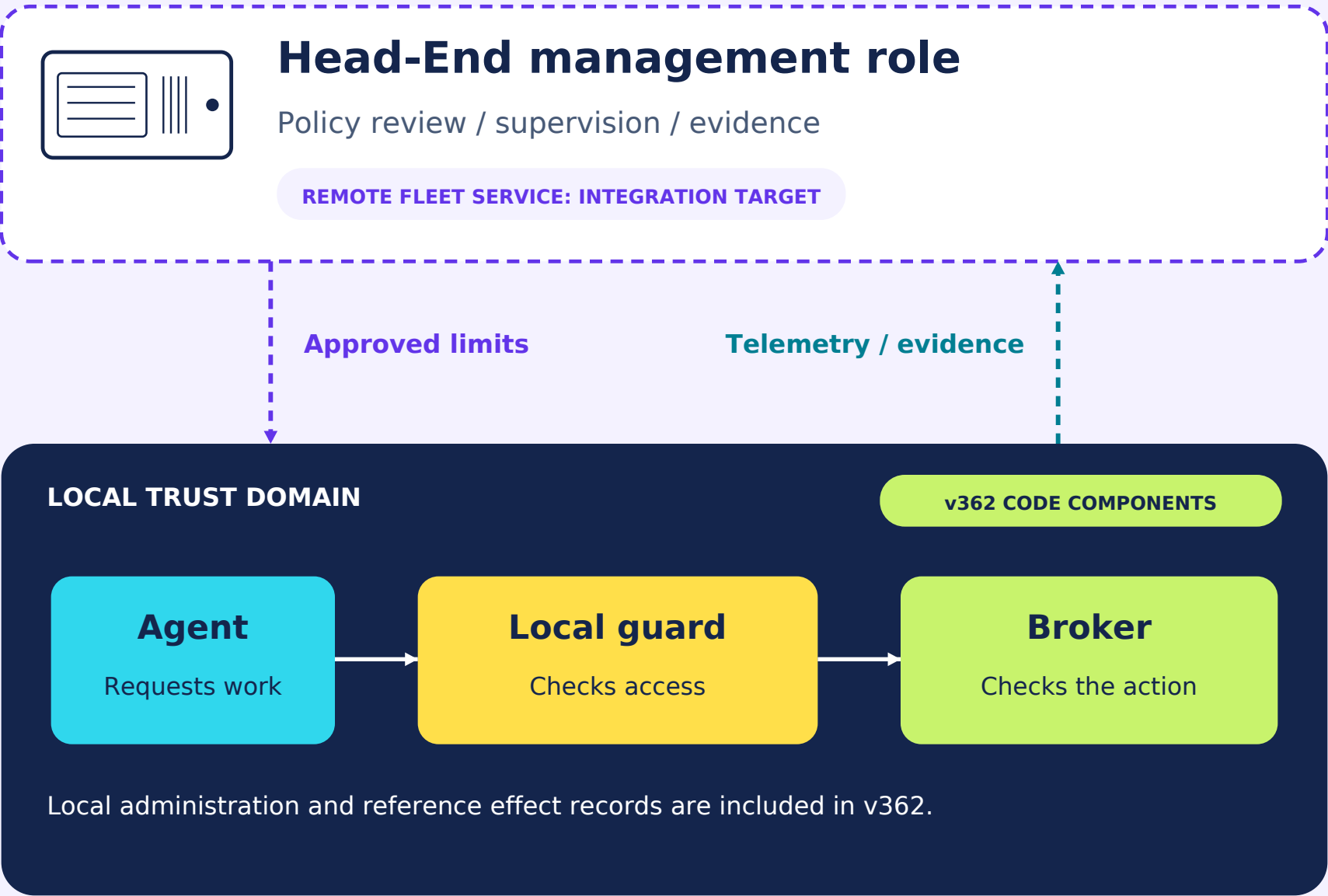
Logical zoom. Rack contents and quantities are illustrative.

BUSINESS BENEFIT: CONTROL CLOSE TO THE WORK
Local checks avoid a remote Head-End round trip for every access.

eBPF boundary source is included; installed enforcement still requires physical qualification.

Central intent. Local authority.

The Head-End is a management role. It is separate from the agent's local access and action checks.



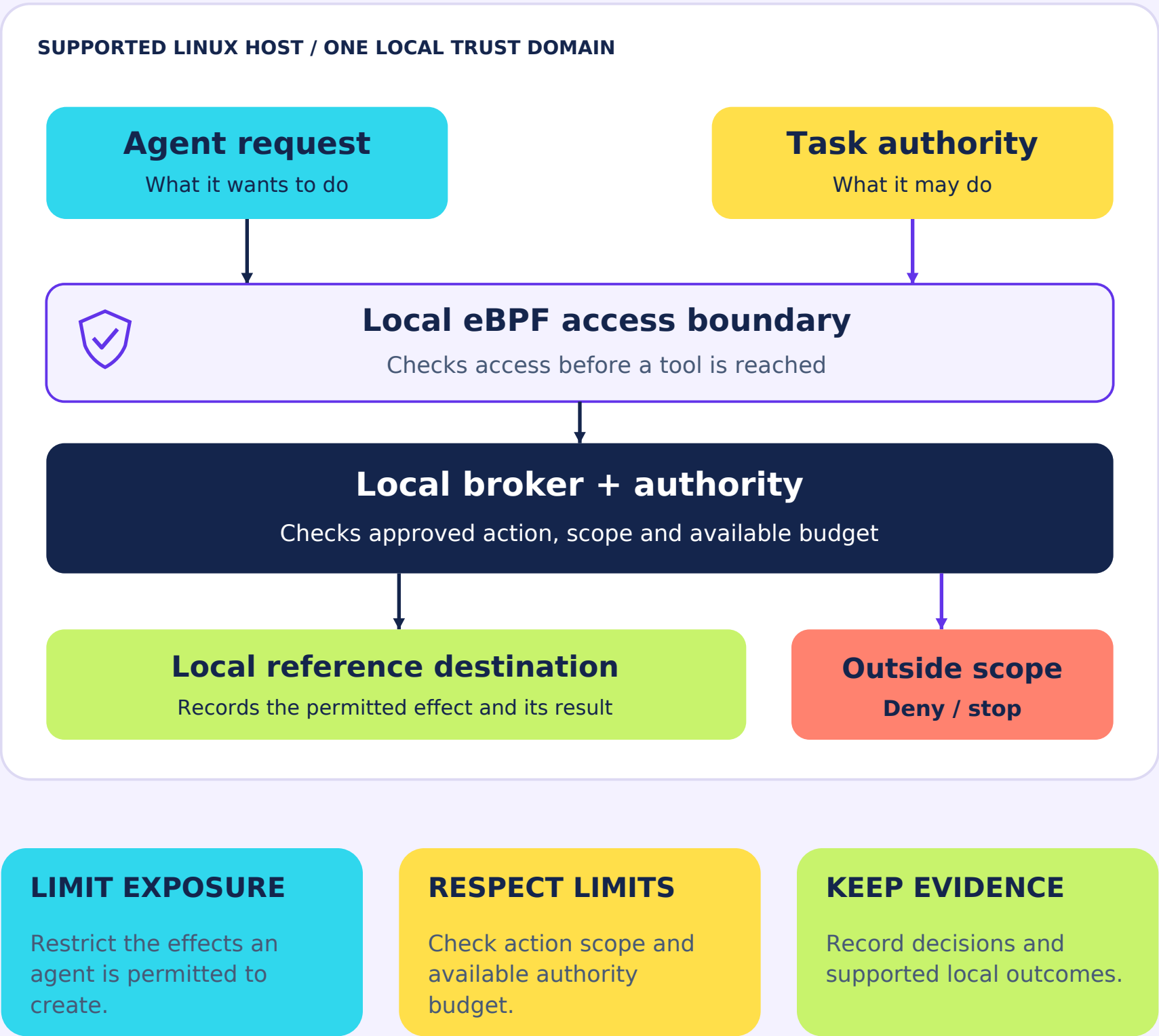
BUSINESS BENEFIT: SEPARATE SUPERVISION FROM EXECUTION

Support reviewable policy while keeping per-access checks near the workload.

Distributed management, transport and fleet recovery need their own qualified integration.

The agent proposes. Authority bounds the action.

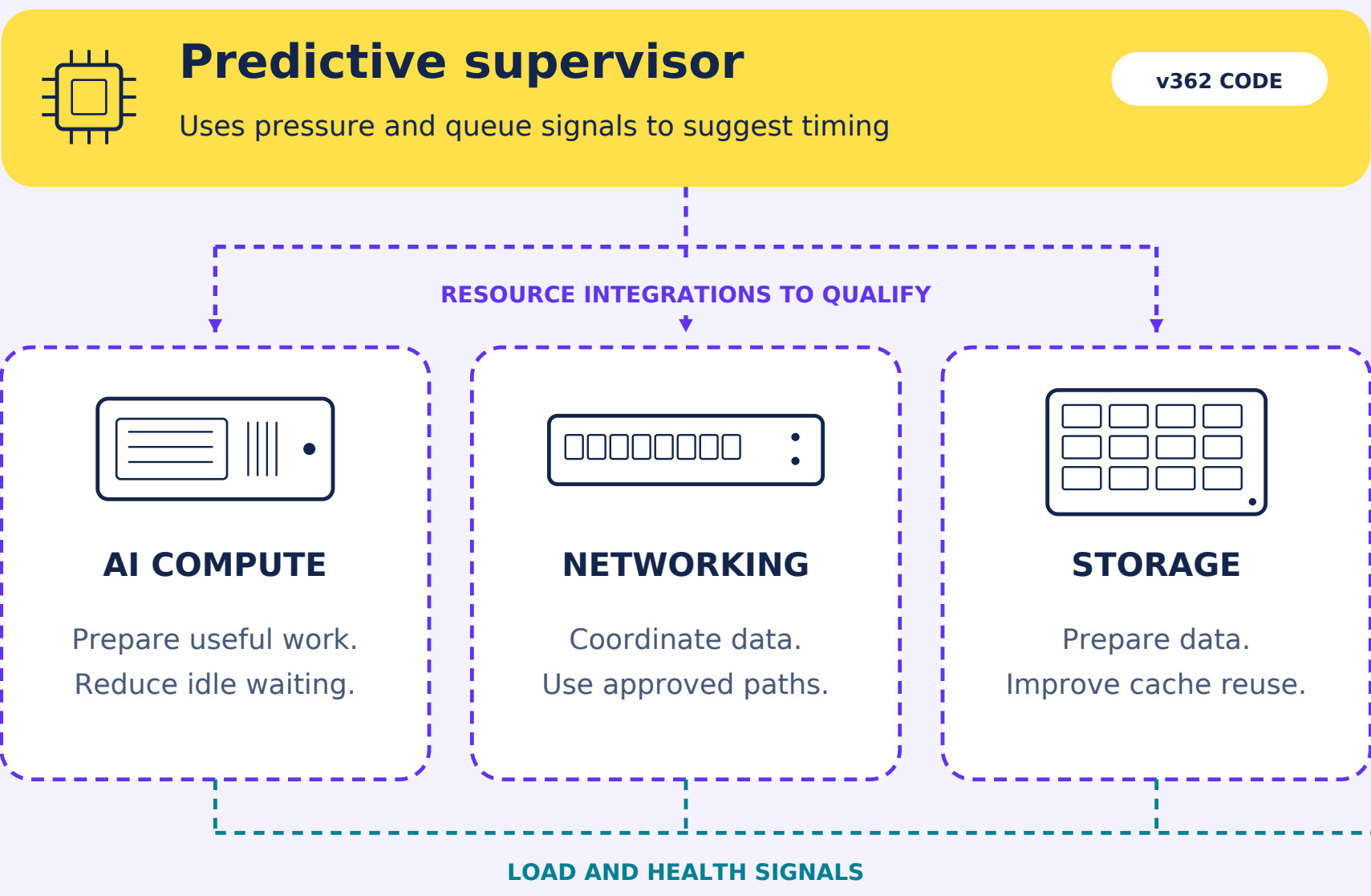
PTCP separates an agent's request from the permission to change a system.



Remote APIs, physical devices and external storage require supported destination effect adapters.

Make compute, network and storage work together.

Use workload pressure to inform timing, then qualify each resource-control integration.

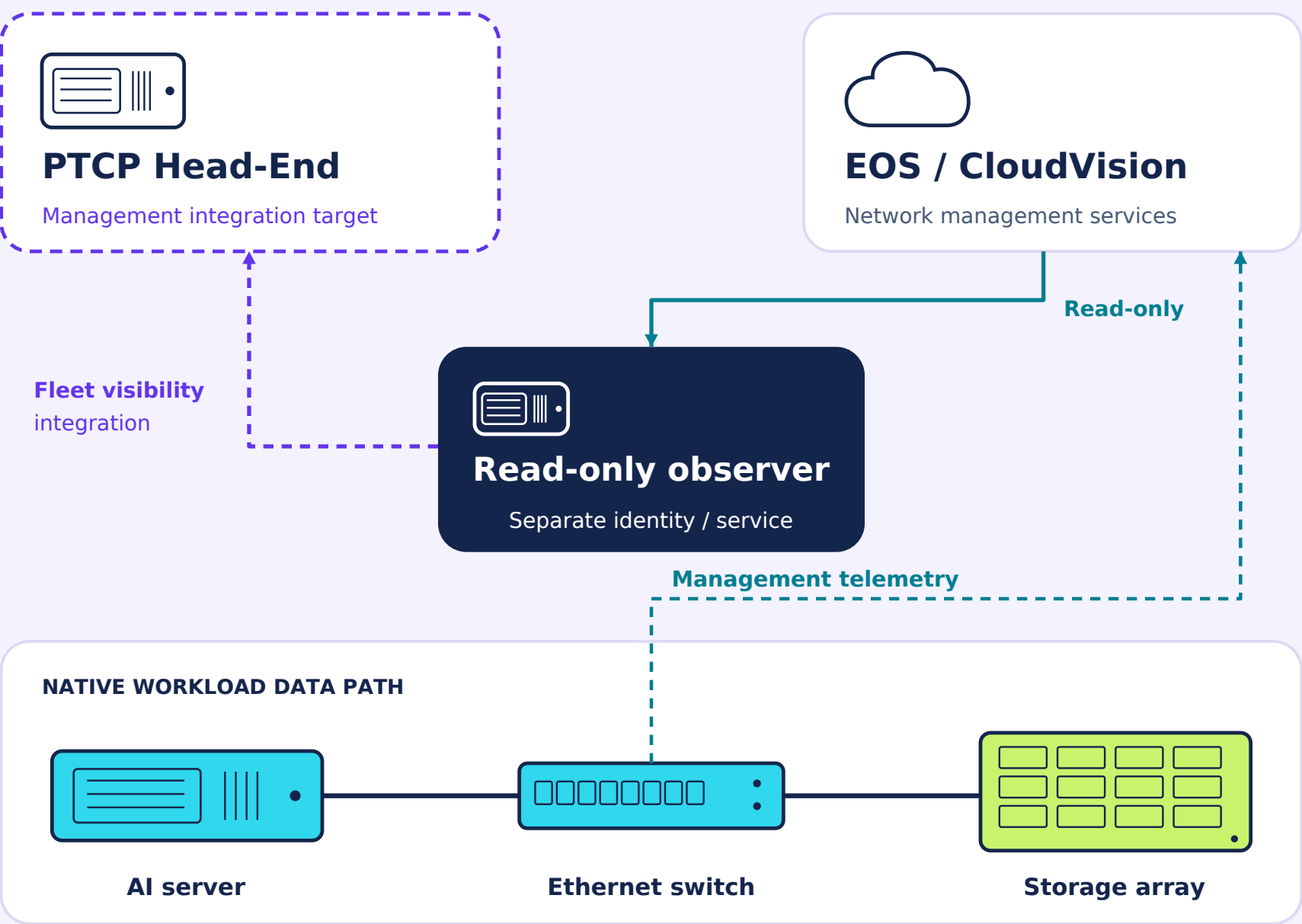


v362 observation: read-only EOS / CloudVision information

DESIGN GOAL: MORE USEFUL AI OUTPUT PER DOLLAR
Measure the full workflow, including telemetry and control overhead.

Connect through management. Keep the data path native.

Observe the network through its management interfaces; qualify any future write path separately.



PRESERVE THE FABRIC
Reuse existing network and storage investments.

KEEP CHANGES CONTROLLED
Separate observation from approved actuation.

v362 does not program forwarding hardware. The observer does not approve agent effects.

Business value, measured honestly.

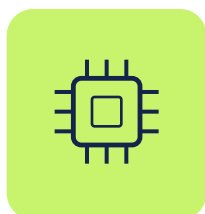
Match baseline workloads. Count useful output after the complete cost of control.



TRUSTED AGENT ACTIONS

Keep supported effects inside approved scope.

Measure unauthorized commits, cross-tenant effects and failed recovery.



BETTER TOKEN ECONOMICS

Target less waiting, waste and repeated work.

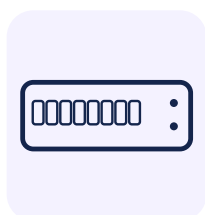
Measure useful tokens/s, cost per accepted task and GPU idle time.



OPERATIONAL VISIBILITY

Make authority decisions and outcomes traceable.

Measure false blocks, restoration time and completeness of effect records.



PREDICTABLE SERVICE

Coordinate work within the latency budget.

Measure p95/p99 latency, control CPU and telemetry volume.

Report detection, enforcement and recovery times separately.

Benefits are qualification objectives, not claimed customer benchmarks or certified guarantees.

Where PTCP fits. What customers can gain.

A practical view of complementary control layers, integration opportunities and customer value.

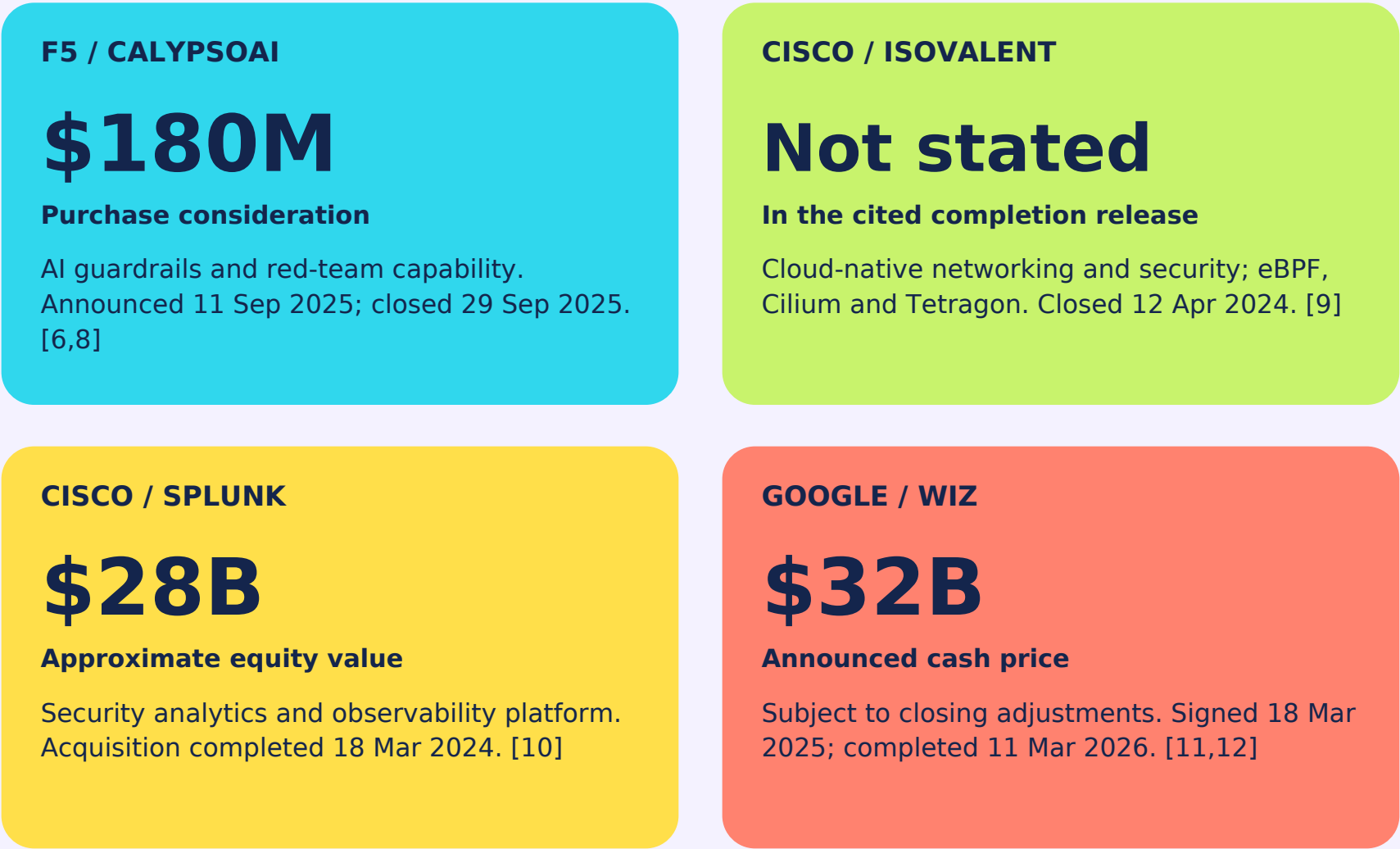
REFERENCE	DOCUMENTED FOCUS	PTCP OPPORTUNITY
ARISTA EOS / CloudVision / AVA	Network telemetry, automation and AI-assisted operations. [1]	Add action-level authority to network-aware workflows. v362 observes; switch actuation is future integration work.
NVIDIA OpenShell / Spectrum-X / Run:ai	Agent sandbox policy; separate products coordinate GPU workloads and AI Ethernet. [2,3]	Focus on local effect accounting and authority budgets, with resource-control adapters where qualified.
CISCO AI Defense / Hypershield	AI content guardrails and distributed network segmentation. [4,5]	Complement content and network controls with local action, scope and budget checks. Verify combined coverage.
F5 AI Guardrails / AI Red Team	Runtime AI guardrails and automated adversarial testing. [6]	Account for permitted destination effects alongside model and content controls. Evaluate both in the same pilot.
OPEN ECOSYSTEM SONiC / multiple ASICs	Linux-based switch NOS across multiple vendors and ASICs. [7]	Offer a host-side authority layer above the fabric. SONiC actuation needs a separately qualified adapter.

PTCP focus: local bounded authority, auditable effects and advisory timing.

Vendor-source descriptions, checked 14 Oct 2026. This is not a comparative performance benchmark.

Strategic buyers invest in control and visibility.

Disclosed acquisitions show buyer priorities. Different revenue, customer bases and deal structures prevent direct valuation equivalence.



WHAT THIS MEANS FOR PTCP

The strategic interest is in trusted control, security and visibility. PTCP's case should be built on defensible rights, qualified integrations, paid adoption and measured customer outcomes.

Historical USD transaction metrics, not public-market capitalizations or a valuation of Tensor Networks.

A research lineage. A platform IP story.

Public research milestones and supplied Tensor filing records, without patent or application identifiers.



A timeline is not a patent-family tree. Scope, ownership, license terms and priority depend on the controlling records; none is inferred from the product name.

Sources and scope.

Public product and transaction references were checked on 14 October 2026.
Company filing records establish receipt history, not granted coverage.

- [1] **Arista - CloudVision product documentation**
arista.com / current product page
- [2] **NVIDIA - OpenShell architecture and policy controls**
nvidia.com / current product page
- [3] **NVIDIA - Spectrum-X networking for Run:ai workloads**
docs.nvidia.com / self-hosted v3.0
- [4] **Cisco - AI Defense Inspection API**
developer.cisco.com / runtime content controls
- [5] **Cisco - Hypershield**
cisco.com / distributed fabric segmentation
- [6] **F5 - CalypsoAI completion; AI Guardrails and AI Red Team**
f5.com / 29 September 2025
- [7] **SONiC Foundation - About SONiC**
sonicfoundation.dev / open network operating system
- [8] **F5 - Agreement to acquire CalypsoAI**
f5.com / 11 September 2025 / disclosed consideration
- [9] **Cisco - Isovalent acquisition completed**
newsroom.cisco.com / 12 April 2024
- [10] **Cisco - Splunk acquisition completed**
newsroom.cisco.com / 18 March 2024 / equity value
- [11] **Google - Agreement to acquire Wiz**
blog.google / 18 March 2025 / announced transaction price
- [12] **Google - Wiz acquisition completed**
googlecloudpresscorner.com / 11 March 2026
- [13] **Air Force Institute of Technology - Camera-tracking patent**
scholar.afit.edu / issue date: 4 July 2017
- [14] **Department of the Air Force - Licensing intent notice**
govinfo.gov / Federal Register / 3 May 2023

REVIEWED TENSOR RECORDS / NOT REPRODUCED

[E1] PTCP v362 package: README and host, broker, authority, observer and advisory components. Engineering candidate; installed qualification and economics remain open.

[E2] Supplied TNQG-related utility filing: counsel summary and USPTO acknowledgment, pp. 1 and 3, dated 28 July 2026.

[E3] Supplied PTCP utility filing: counsel summary, USPTO acknowledgment and related-application reference, pp. 1, 3 and 6; 5 August 2026 receipt and 16 March 2026 provisional reference.

One workflow first. A platform-wide vision.

Start with a supported host, explicit task authority and a destination PTCP can account for.

1

MAP THE DEPLOYMENT



Identify the agent host, network paths and supported effect destination.

2

QUALIFY THE BOUNDARY



Test bypass attempts, effect limits, recovery and operational overhead.

3

INTEGRATE FOR VALUE



Add resource adapters and measure useful AI output per dollar.

**A practical path for datacenter, service-provider
and enterprise AI environments.**

Ask for a PTCP architecture briefing.

information@tensornetworks.net

Basis: reviewed PTCP 362.0.0a1 engineering candidate. Not beta qualified. Installed host enforcement, live OEM interoperability and net performance gains still require validation.