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Integrate • Orchestrate • Automate

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Problem Statement

- Business operations are increasingly fragmented
- It is difficult for organizations to coordinate across business silos, cloud hosts and ecosystem partners
- Graphs are well suited for describing complex real-world relationships, but their use has been generally limited to visualization, analysis & interoperability of data

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Solution Statement

- EnterpriseWeb has pioneered the use of graphs to integrate data, as well as applications, services, cloud hosts, networks & physical devices.
- The company's no-code platform makes it easy for customers to rapidly model complex distributed operational domains as a graph knowledge base - an Enterprise 'web'.
- This umbrella abstraction provides a unified interface for weaving distributed data & functions into a logical view with aggregated system-wide entities, and an indexed catalog of typed domain objects.

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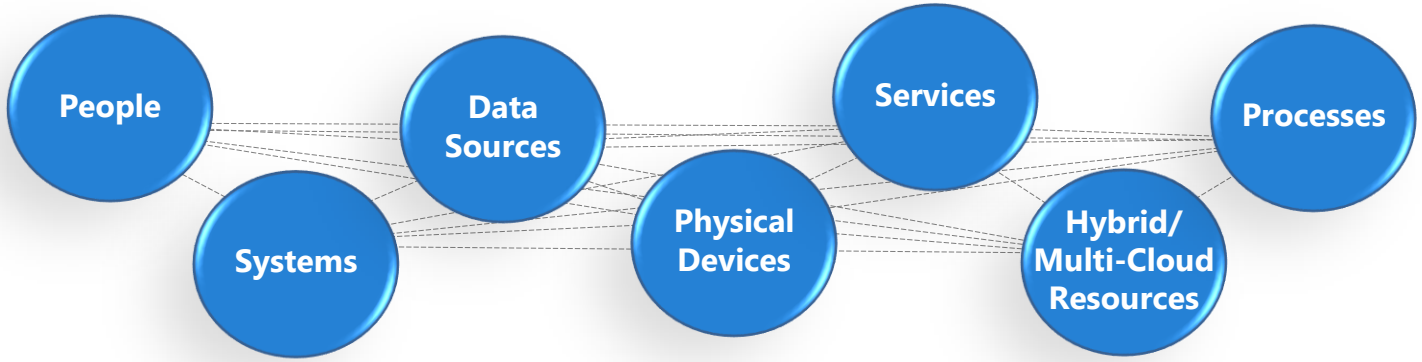
Businesses need an Enterprise 'web'

A single source-of-truth across a complex, distributed system



It helps organizations bring order to increasingly fragmented operations

Leverage shared metadata, relationships & state for:

- **Human & System Discovery**
- **Declarative composition**
- **Intelligent orchestration**
- **Event-driven end-to-end processes**
- **Closed-loop automation**
- **Policy-based management**

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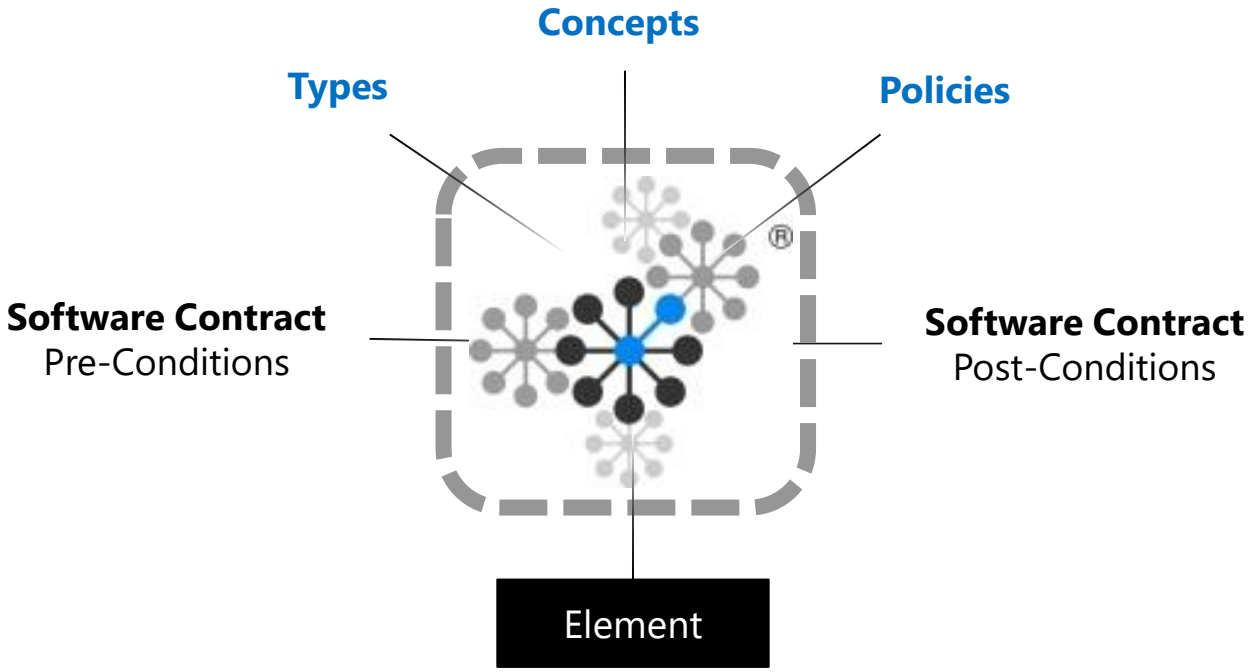
Graph Object & Action Language™ (GOAL™)

A common machine-readable language for 'normalizing' heterogeneous solution elements



A graph data structure for mapping properties, behaviors, dependencies and constraints to a graph knowledge base

GOAL™ is a Domain (DSL), Interface (IDL), Configuration (CDL) & Workflow (WDL) Language in one!

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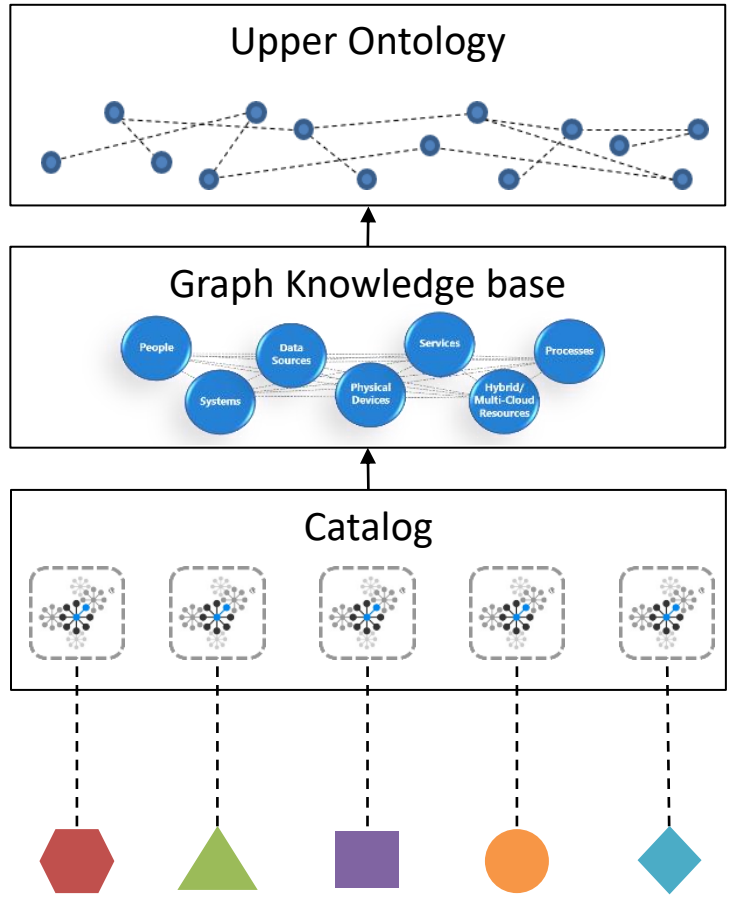
Graph-connected Architecture

System Concepts, Types & Policies

Domain Concepts, Types & Policies

Domain Objects



Applications & Artifacts, Systems & Services, Databases & Devices

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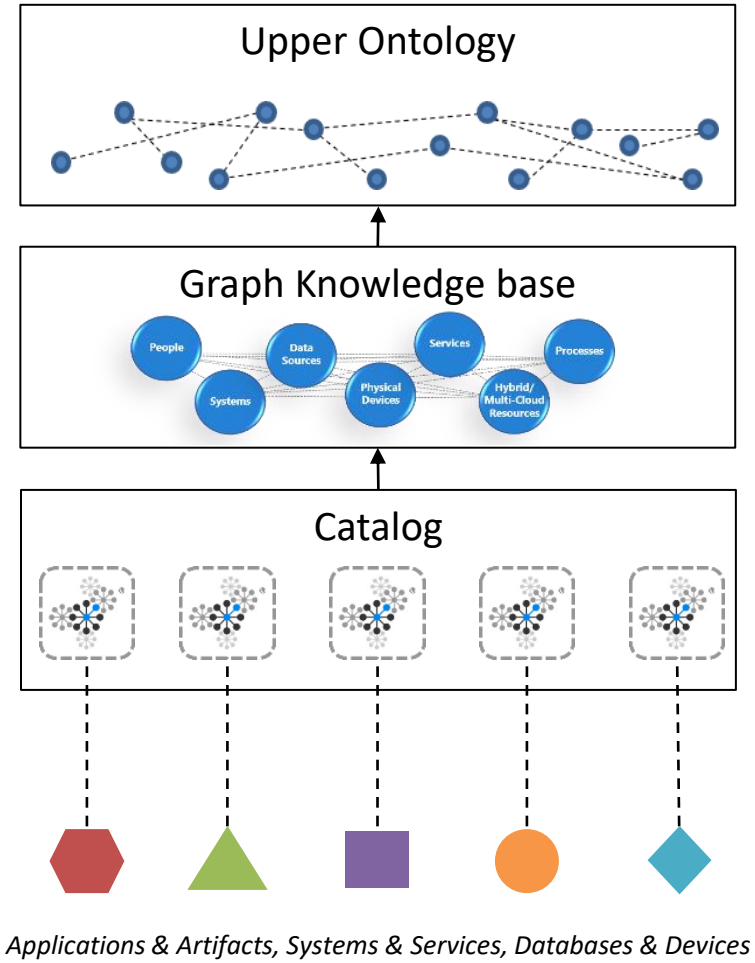
Model Operational Domain

Baseline Model:
out-of-the-box generic enterprise concepts and system types - inspectable & extensible

Curate Graph Knowledge base:
Solution Architect can develop & maintain domain model (i.e. graph DSL) directly in Model Manager module

GROW AS YOU GO!
The Graph Knowledge base is version controlled with audit history and roll back. You can start with minimum viable model for a use-case and expand abstraction as you extend use-case, add use cases and the domain evolves



Import Customer & Industry Models:
Solution Architect can leverage existing information models and standards (XML, RDF, JSON files or Word, PDF docs)

Onboard Solution Elements:
APIs for participating systems, services, databases & devices, can be used for sample data to populate domain model

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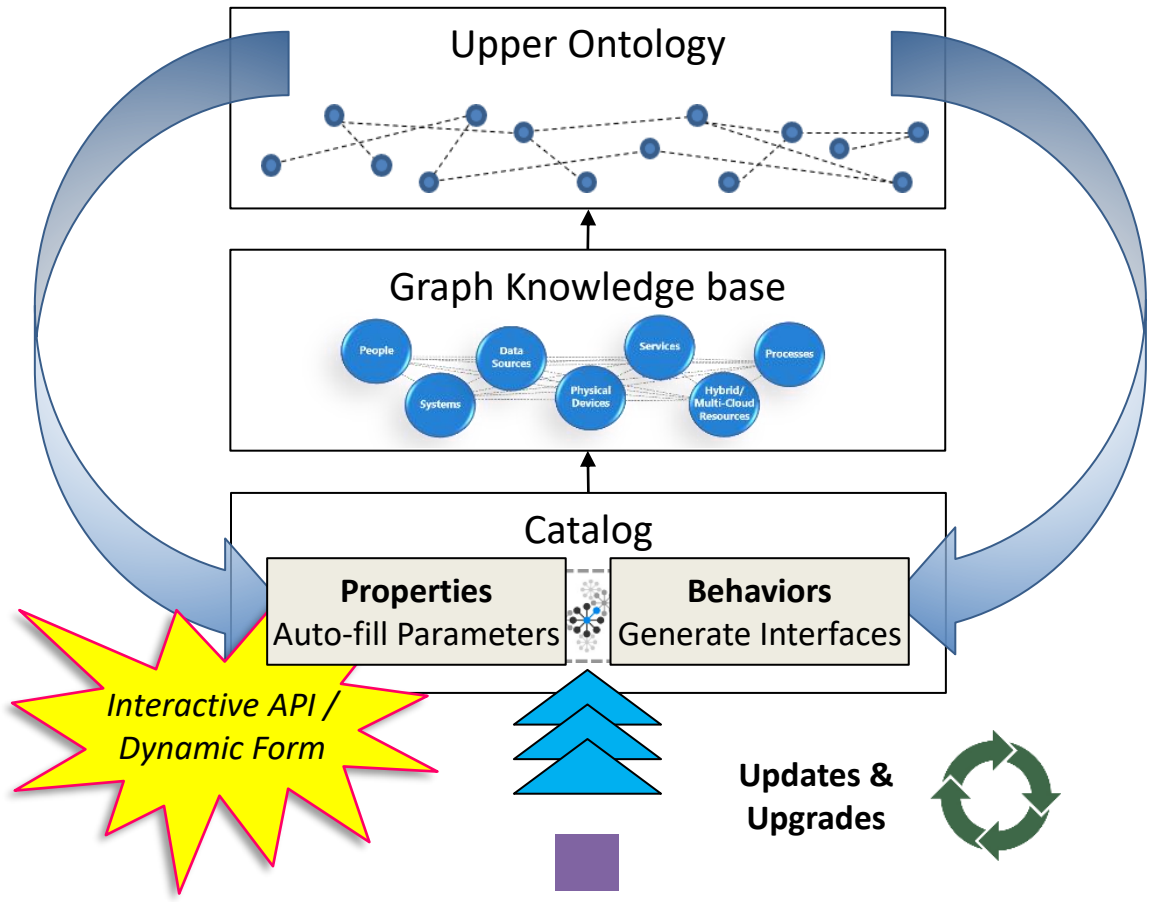
Object Modeling

Onboard Code Packages
Applications, Functions, Algorithms, etc.

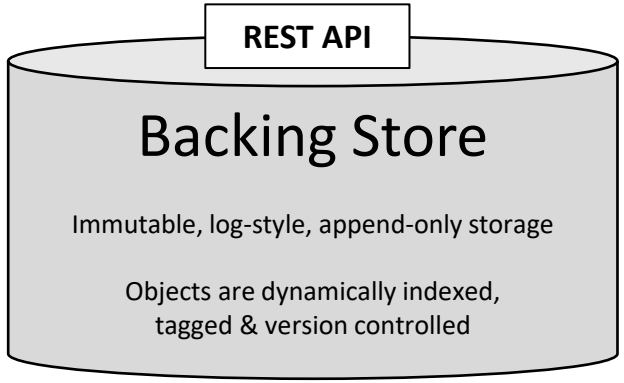
Author Adaptors
Orchestrators, Controllers, Systems, Databases, Physical Devices & Equipment, etc.

Model Endpoints
Cloud Hosts, Web Services, etc.



Applications & Artifacts, Systems & Services, Databases & Devices

Persisted as loosely-coupled, typed objects



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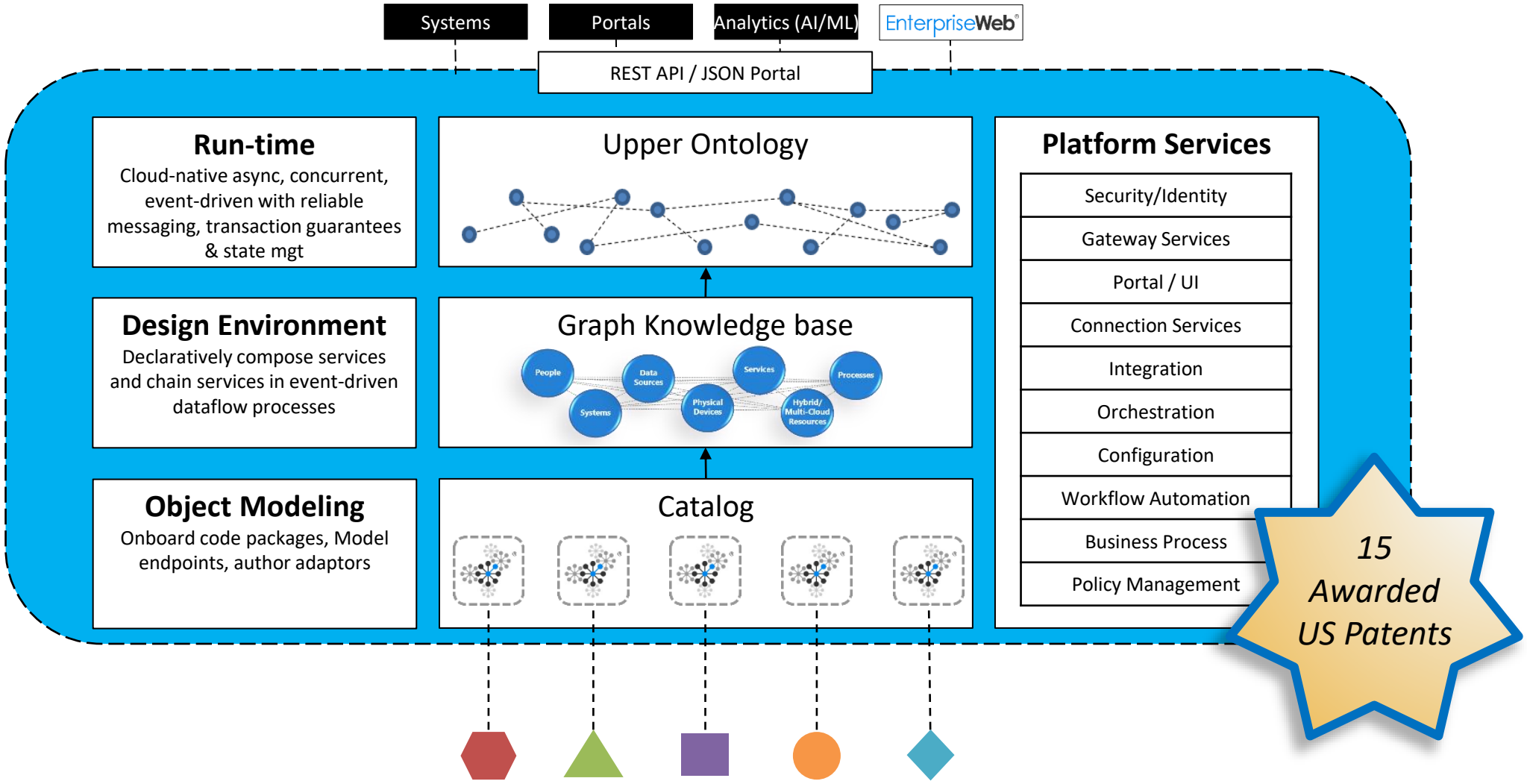
Graph-based Platform



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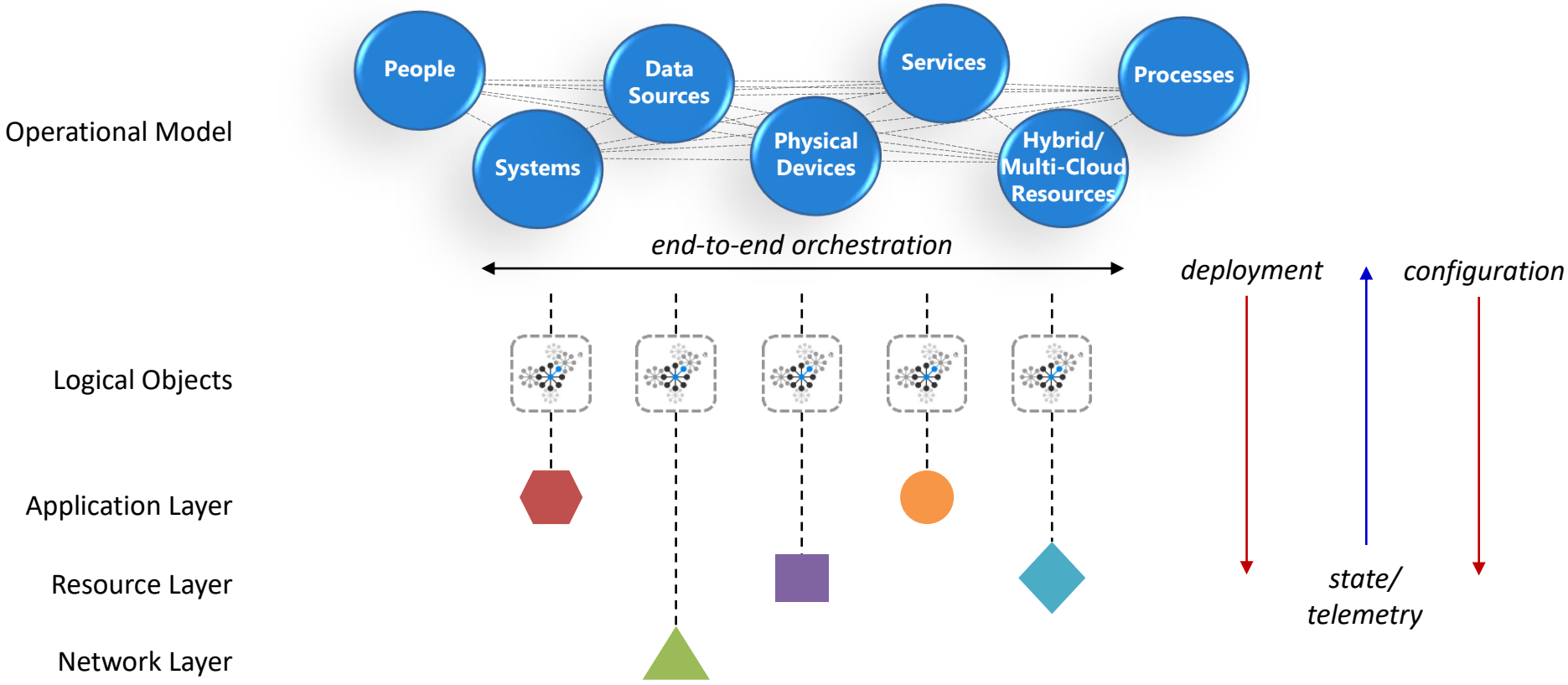
Abstraction enables programmability



Declaratively compose objects into services & chain services into dataflow processes

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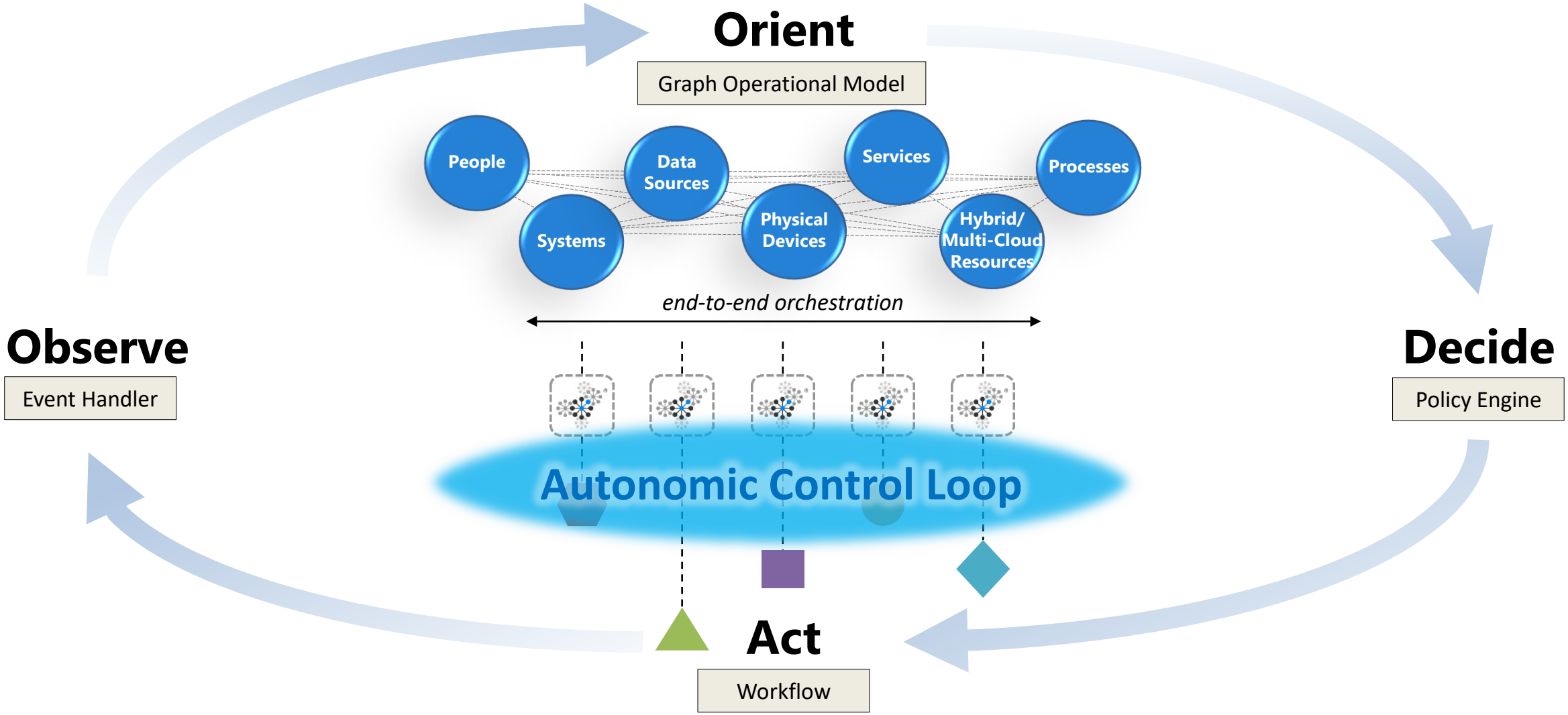
… and closed-loop automation



Integration, Orchestration, Automation and Human Tasks

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Thank you!

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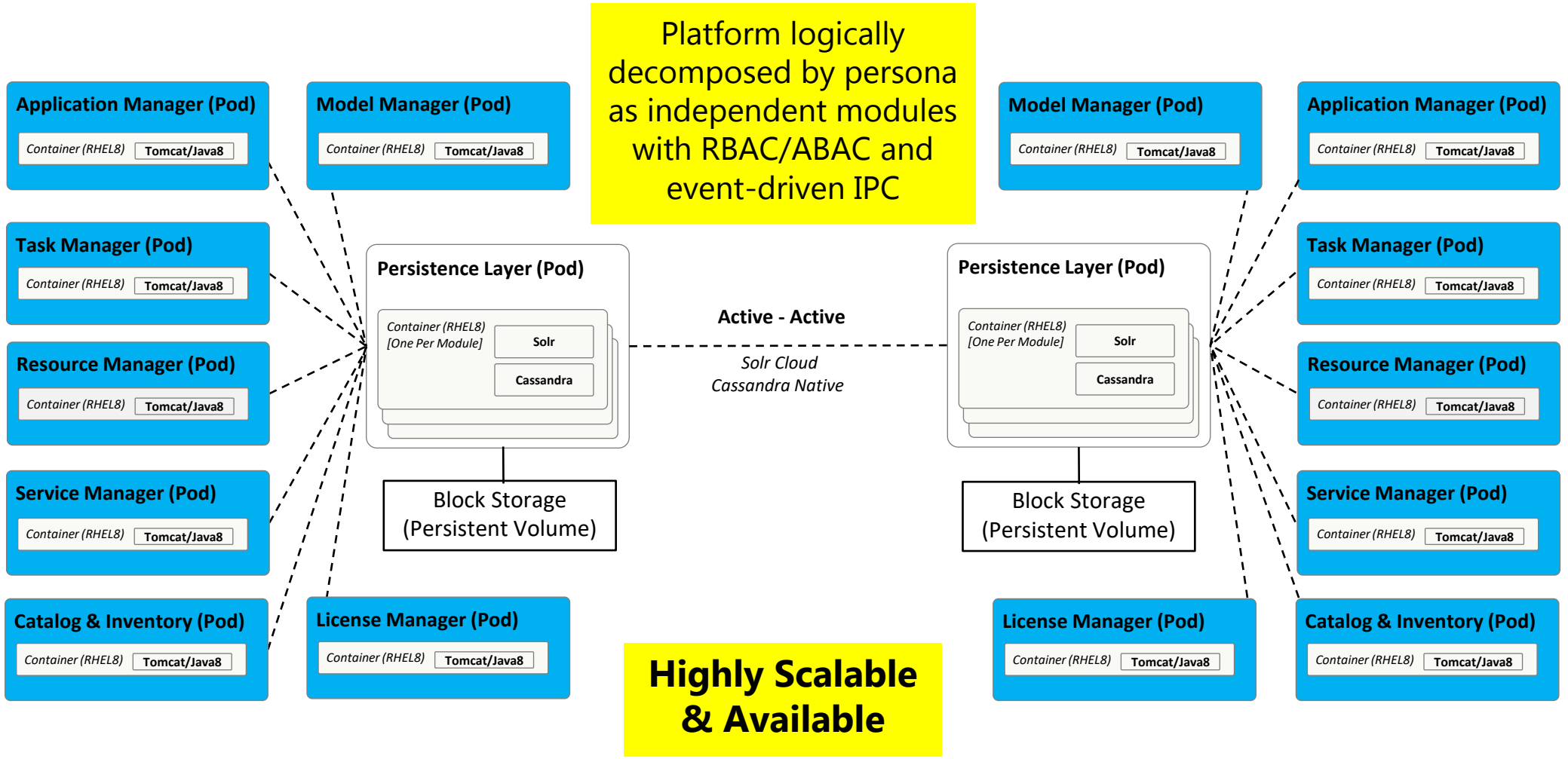
Cloud-native platform deploys as Cluster of Pods



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Deployment & Business Model

Deployment: on-premise, in the cloud or at the edge

Licenses: easy “T-shirt” sizes (S, M, L, XL) based on vCPUs

Think big, start small, scale with success!

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Platform Sizing, Requirements & Pricing

	Resource Allocation*						
Instance Sizes	Max vCPUs	Max RAM	Minimum Storage	Required Floating IP Addresses	Monthly Subscription	Annual Subscription	Indicative CloudNFV Use-Cases
Small	Up to 14	Up to 28 GB	250 GB	14	**$1,500**	**$16,200**	Proof-of-Concept
Medium	Up to 28	Up to 56 GB	500 GB	14	**$2,700**	**$29,200**	**Design Environment** Onboarding, Catalog & Composition
Large	Up to 56	Up to 112 GB	1 TB	14	**$4,900**	**$52,900**	**Run-time Environment** Orchestration
X-Large	Up to 112	Up to 224 GB	2 TB	14	**$8,800**	**$95,100**	**Run-time Environment** Orchestration & Closed-Loop Automation

* Total across all Containers/VMs/Servers

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