

# La puissance par la simplicité

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La puissance par  
la simplicité

Acteur majeur des technologies de l'information, dont la mission  
est d'accompagner les organisations dans leur **transformation numérique**  
en **simplifiant** leur système d'information

Développement Rapide

Hautes Performances



# À propos d'InterSystems



## Notre impact dans les domaines de la santé, des services financiers et de la Supply Chain

Traitements de **> 2 milliards de transactions** financières en temps réel quotidiennement

Gestion **> 1 milliard de dossiers patients** dans le monde

Suivi en temps réel de **> 20 millions de conteneurs logistiques** dans le monde

Leader mondial de la gestion, de l'intégration et de l'analyse des données

Des performances, une évolutivité, une interopérabilité et une fiabilité inégalées

Clients et partenaires mondiaux dans les secteurs de la santé, des services financiers, de la chaîne d'approvisionnement et d'autres écosystèmes

Pionnier de l'approche **Smart Data Fabric** pour la gestion et l'analyse de données diverses et distribuées



# À propos d'InterSystems



**Notre impact dans les domaines de la santé, des services financiers et de la Supply Chain**

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Pionnier de l'approche **Smart Data Fabric** pour la gestion et l'analyse de données diverses et distribuées



**Chatbots, IA,  
Réalité Virtuelle**



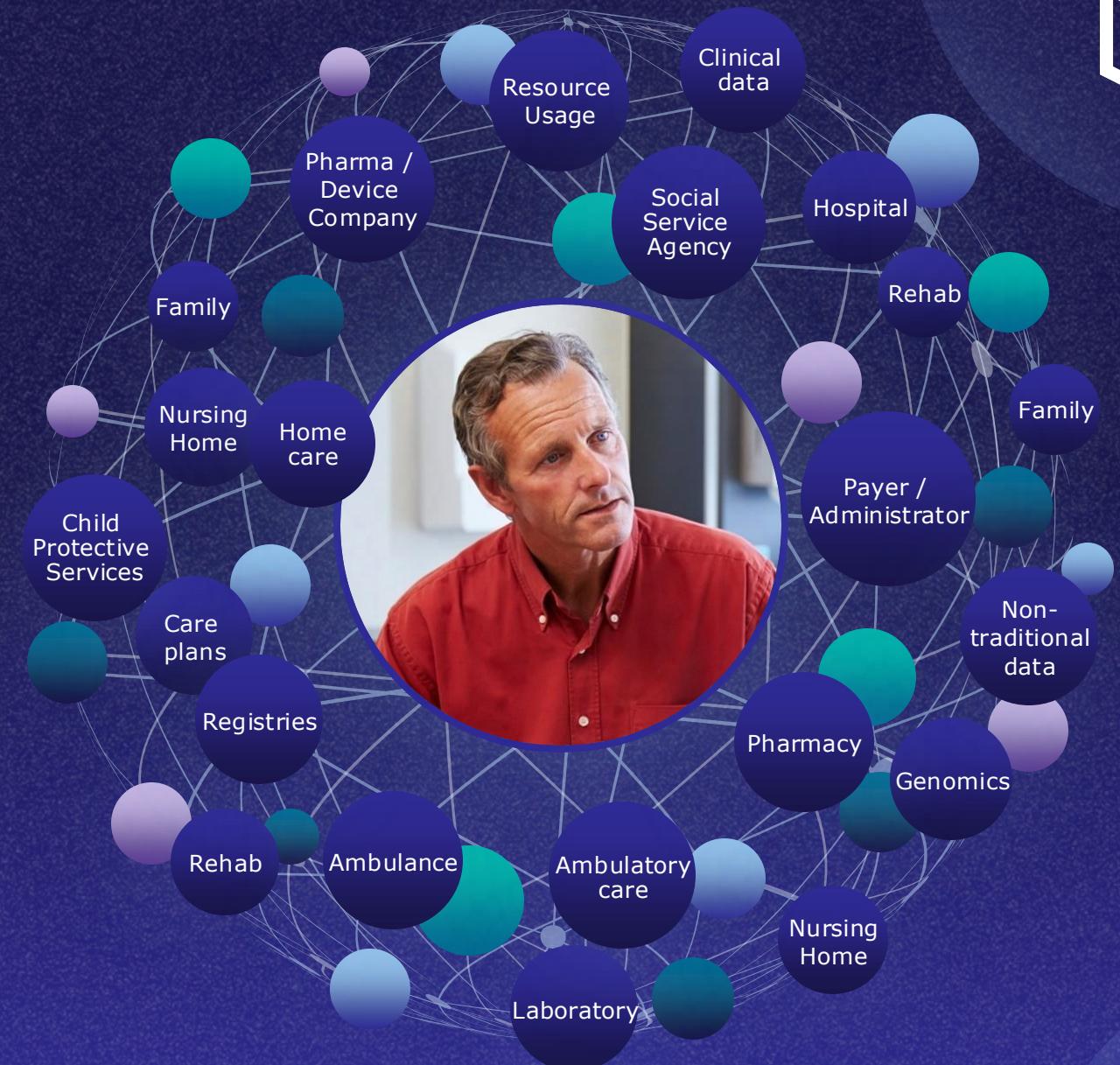
**Soins de  
santé**



**320m  
Dispositifs  
Portables**



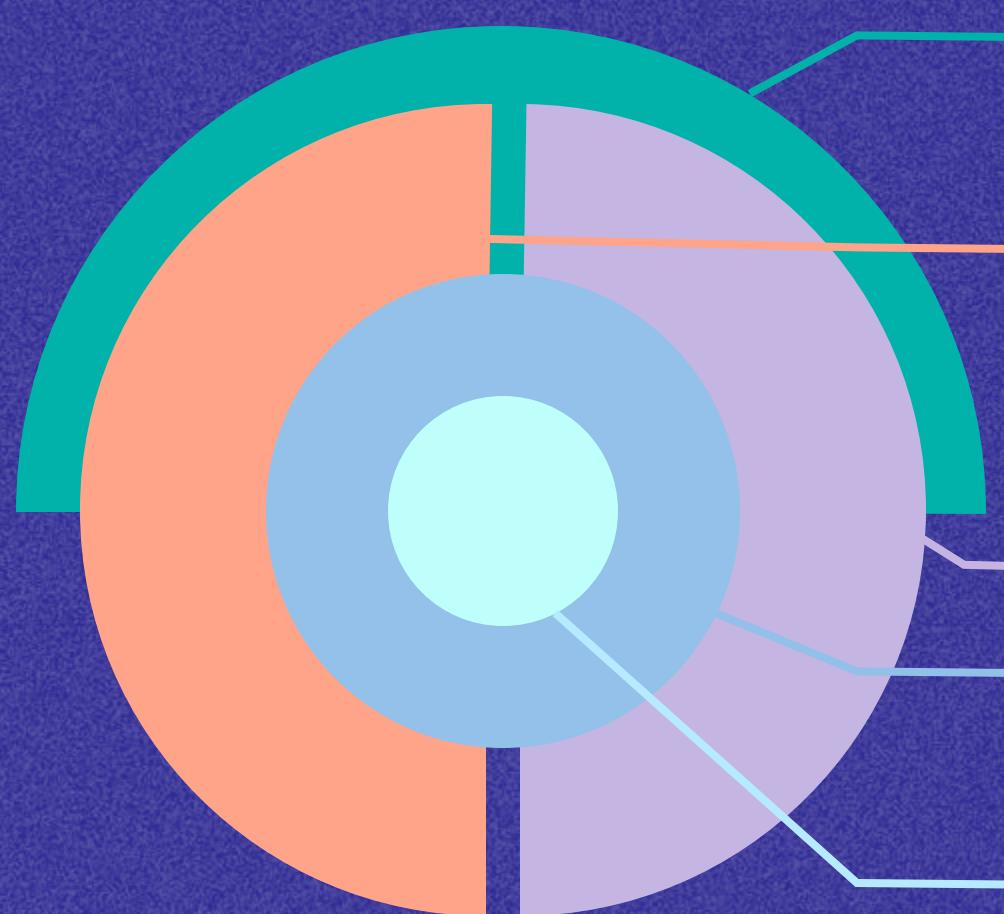
**Surveillance continue à  
distance**



# Démocratisation des données



# InterSystems IRIS - Architecture



## Smart Data Fabric:

Single ecosystem to solve complex data problems

## Analytics & AI:

Run everything close to the data

## Interoperability:

Low-code integration, workflow & API mgmt

## Horizontal scaleout:

Distributed, coherent cache at massive scale

## Core data engine:

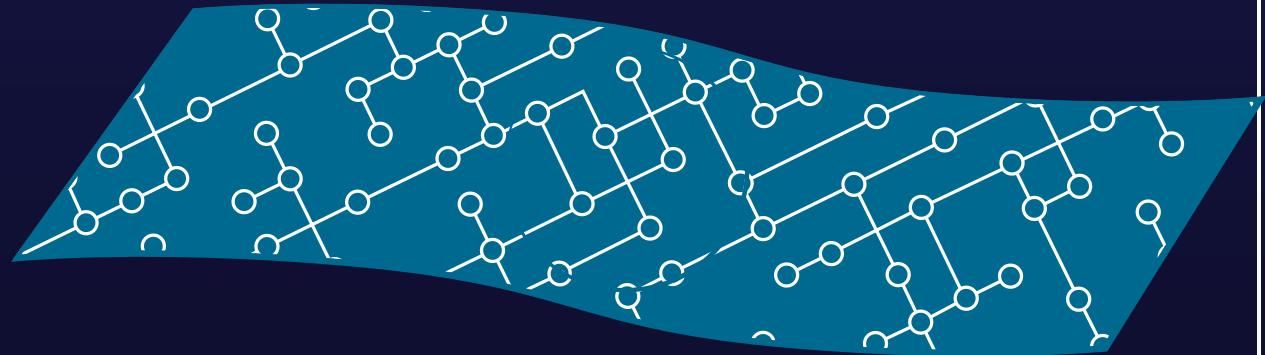
High-performance, multimodel, multilingual



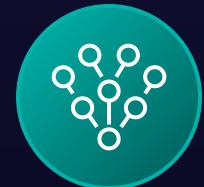
## Les problèmes complexes nécessitent des données unifiées



**Le plan de données commun conserve les valeurs via des tableaux multidimensionnels hautement optimisés**



**Les indices de tableau multi-clés permettent des structures d'index avancées avec recherches et analyses hautes performances**



**Des codages de données de base flexibles et hautement optimisés permettent multi-model architecture**



# Les problèmes complexes nécessitent des données unifiées



Time Series



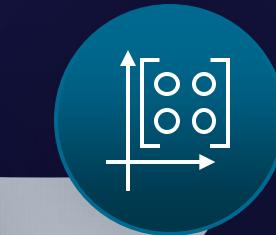
Data Frame



Document



Vector / Tensor



Object



Relational



Cube



$\wedge\text{global}( \langle\text{key1}\rangle,\langle\text{key2}\rangle,\dots ) = \$\text{encoding}( \langle\text{val1}\rangle,\langle\text{val2}\rangle,\dots )$



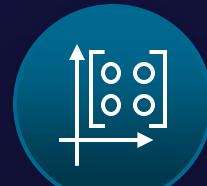
# Les problèmes complexes nécessitent des données unifiées



Lists



Vectors



Documents



Bitmaps



```
$list("lcars",1138,88.0,...)
```

```
$vector(4.8,15.1,6.23,...)
```

```
$pva({  
  "id":10816,  
  "fname":"roy",  
  ... })
```

```
$bit(1,0,1,0,1,0,...)
```



# Les problèmes complexes nécessitent des données unifiées



Document

```
{  
  "location": "ICU5",  
  "collector_name": "Smartlinx5",  
  "sensor_name": "BP3",  
  "bed_id": 8605,  
  "readings": [  
    { "start_time": "2024-07-04 10:12:03.642",  
      "interval": 3.333,  
      "values": [7200, 7300, 7700, 8500, 9100]}  
    , ... ]  
}
```

PUT

GET

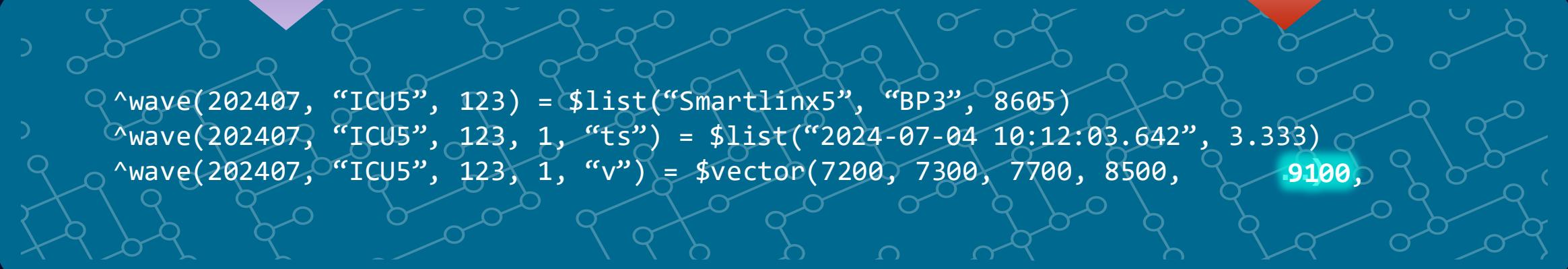


Relational

Location	Sensor	Date	Time	Value
ICU5	BP3	2024-07-04	10:12:03.642	7200
ICU5	BP3	2024-07-04	10:12:06.975	7300
ICU5	BP3	2024-07-04	10:12:10.308	7700
ICU5	BP3	2024-07-04	10:12:13.641	8500
ICU5	BP3	2024-07-04	10:12:16.974	9100
...	...	...	...	...

SELECT

INSERT

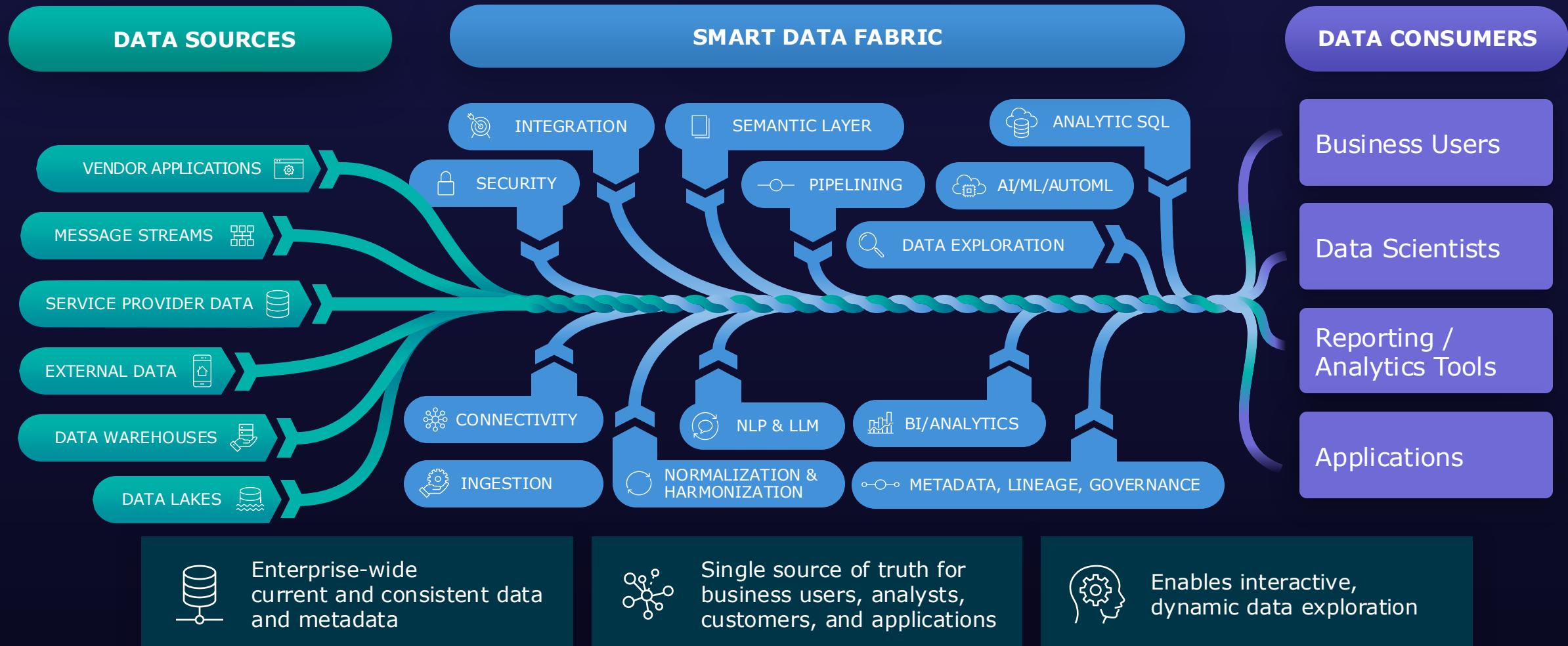




# Architecture Générique d'une Data Fabric



# Architecture Data Fabric





4 technologies intégrées, agissant comme un seul produit

---

SGBD MULTI-MODELES

### **Intégration de données**

Harmoniser et normaliser des sources et des formats disparates pour une représentation cohérente des données.

---

SGBD MULTI-CHARGES DE TRAVAIL

### **Ingestion de données**

Utiliser tout type de données, y compris les données événementielles et transactionnelles en temps réel, ainsi que les données au repos.



---

PROCESSUS INTELLIGENTS

### **Interopérabilité**

Activer une orchestration en temps réel transparente et précise et des processus métier optimisés et intelligents.

---

ANALYSE AVANCÉE

### **Connaissances**

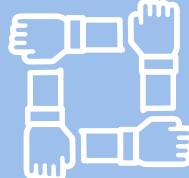
Traitements en temps réel (BI, ML, AI, NLP) pour des informations descriptives, prédictives et prescriptives.



TrakCare  
Clinicom

HealthShare

Healthcare



Solutions Partenaires



## InterSystems IRIS for Health



développement d'applications de santé, connectivité [HL7 FHIR](#), [IHE](#) et autres [normes d'échanges de santé](#)



## InterSystems IRIS Data Platform

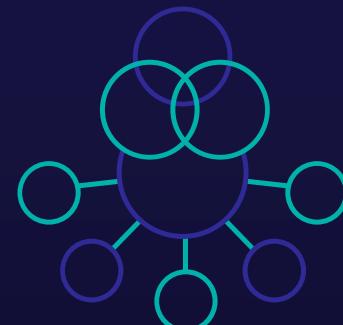
bases de données [multi-modèles](#), interopérabilité, analyses de données structurées et non structurées, [scalabilité](#), haute-disponibilité, [hautes-performances](#), orienté événementiel



SGBD MULTI-MODELES  
**Intégration de données**



SGBD MULTI-TRAITEMENTS  
**Ingestion de données**



PROCESSUS INTELLIGENTS  
**Interopérabilité**



ANALYSES AVANCÉES  
**Connaissances**



# Entrepôts de Données de Santé

## InterSystems fournit une solution unique pour l'ensemble de votre projet



### Sources

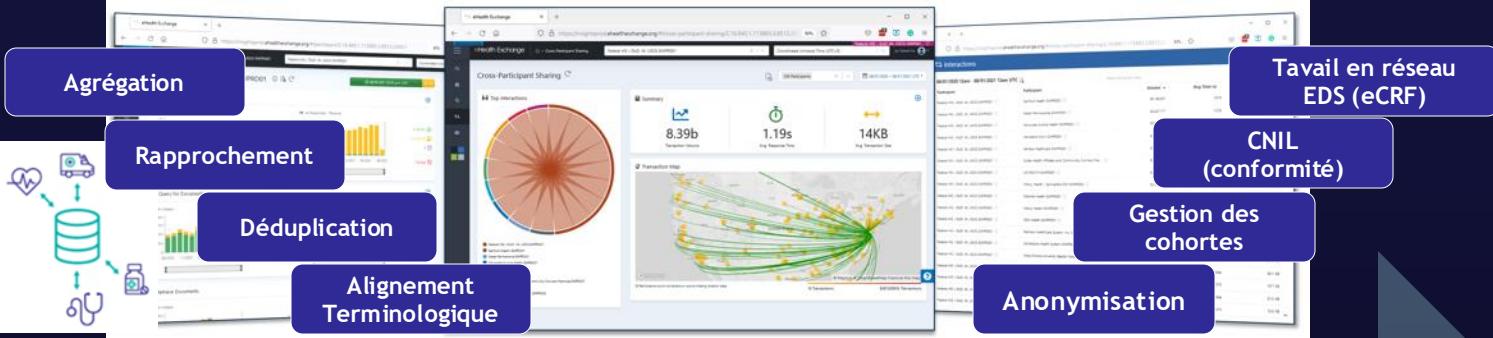
Hôpitaux ou Cliniques

Centres de Lutte Contre le Cancer

Résultats Laboratoires

Signes Vitaux (IoT)

Environnementales (Open Data)



### Cibles

Pilotage

Recherche Clinique

Médecine de Précision

Médecine Prédictive (IA/ML)

Analyses Populationnelles

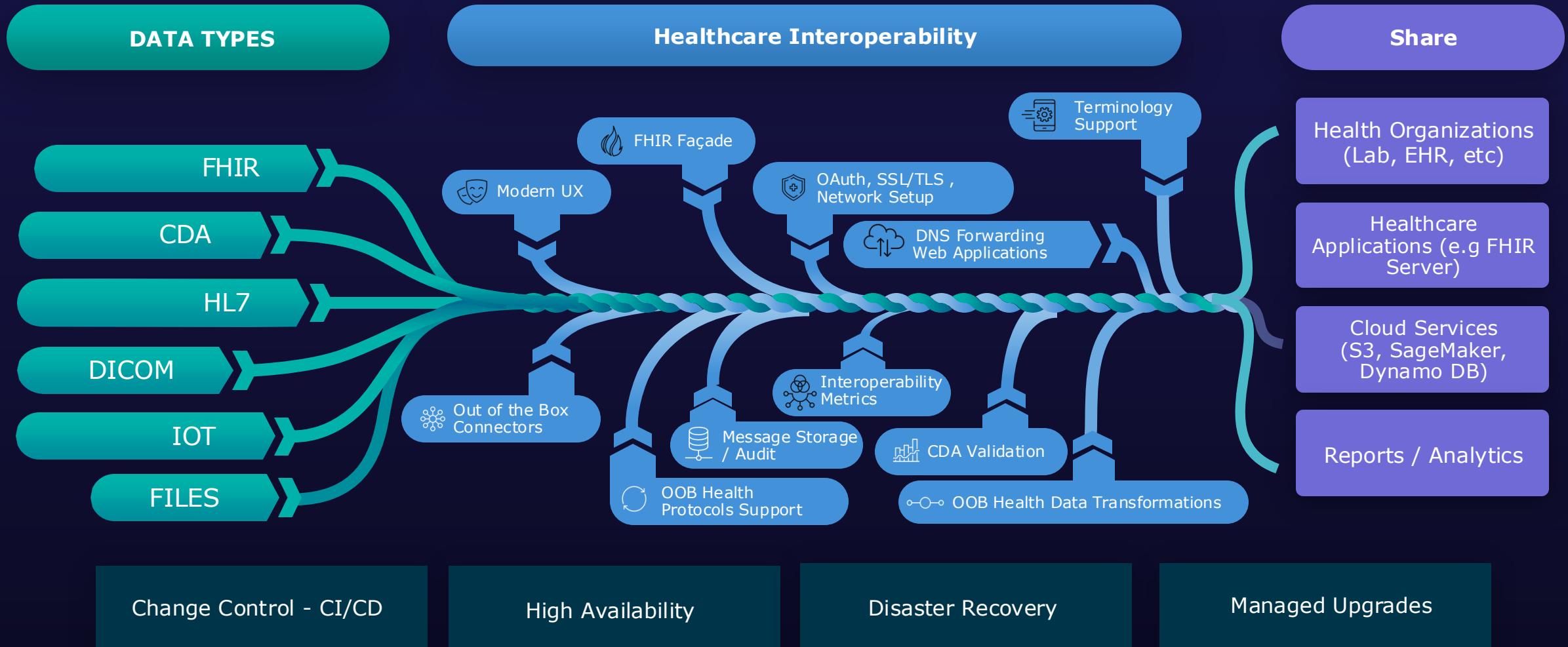


# Healthcare Data Platform Portfolio



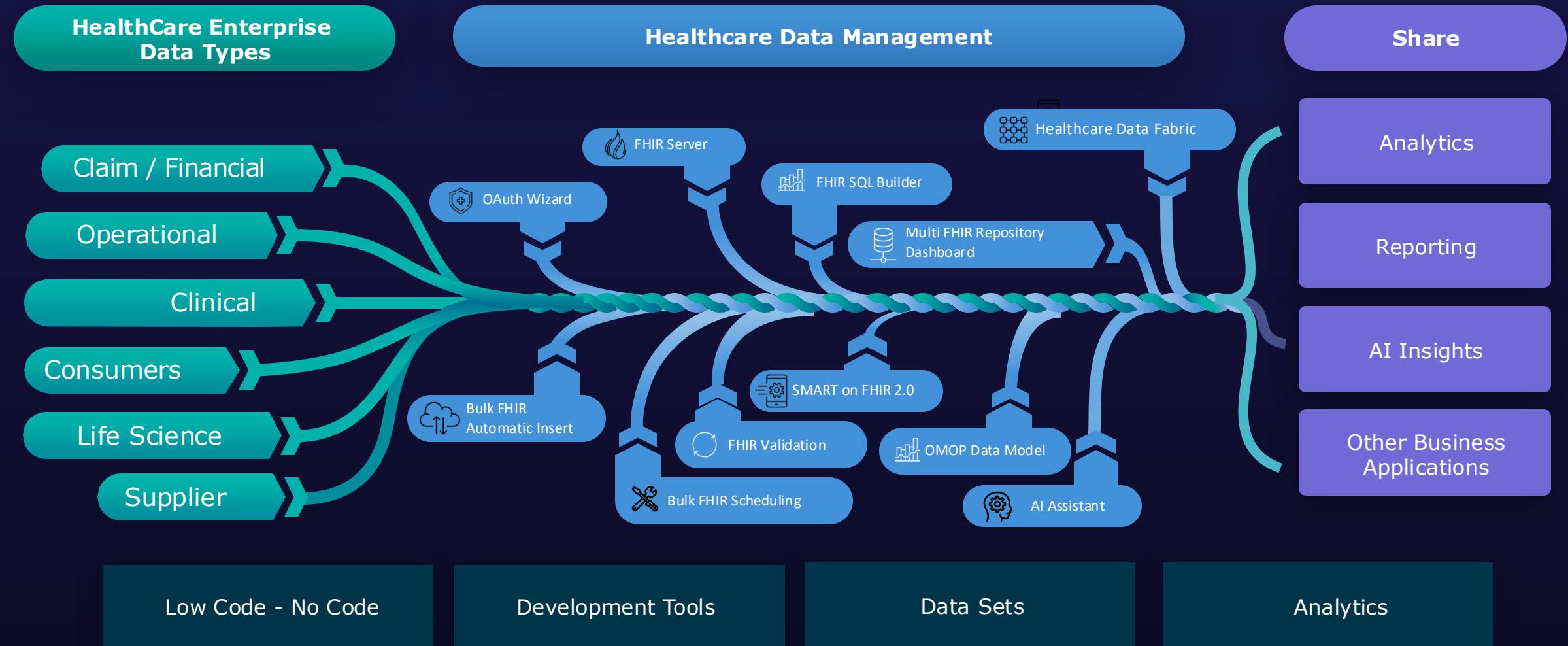


# Healthcare Interoperability



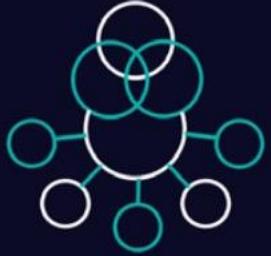


# Health Data Management





# Interoperability Overview



Provide easy integration with customer's existing systems throughout their lifecycle:

- Messages
- Devices (IoT)
- APIs

## Bulk Data Integration



## Managed file transfer



## API management



## IOT integration



## Healthcare protocols



## Durable messaging + transformation



## Key management



## Streaming Data



## Dynamic Gateways





# InterSystems Supply Chain Solutions

**Composable Solutions, not  
Commercial Off-the-Shelf (COTS)**

**Improved Decision Intelligence**

**Complements Existing Systems**



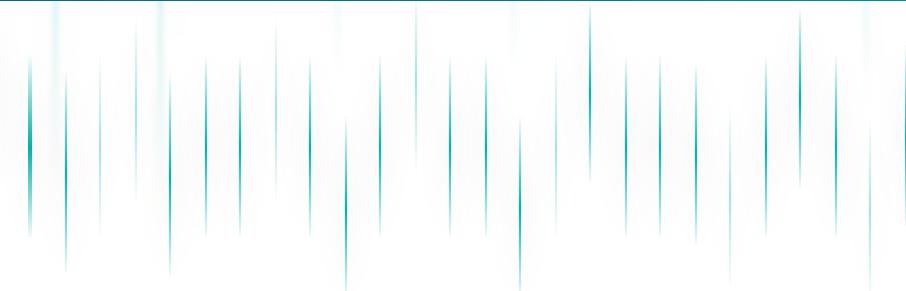
 **InterSystems Supply Chain Orchestrator™** is a differentiated supply chain decision intelligence platform with out-of-the-box data integration, ingestion, interoperability, and AI/ML analytics with GenAI as one product

 **InterSystems Data Fabric Studio™** with supply chain module is a fully managed cloud-based low-code solution using a smart data fabric architecture. It can be used by any organization across industries that struggles with data silos to accelerate time to value

# InterSystems Supply Chain Solution Suite

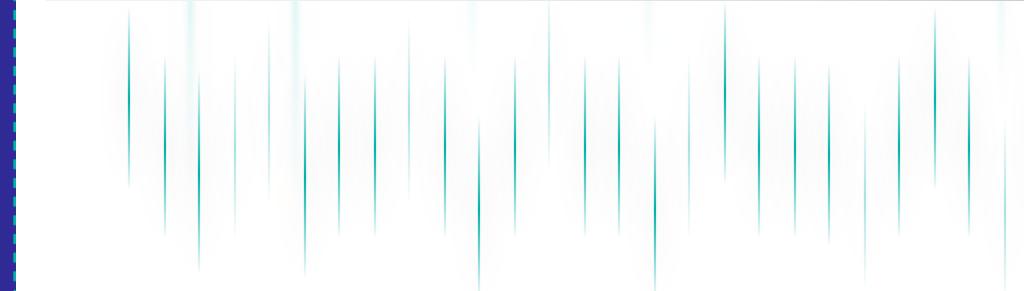


## InterSystems® Supply Chain Orchestrator™



A decision intelligence data platform  
to accelerate time to value

## InterSystems® Data Fabric Studio™ with Supply Chain Module



A fully managed data gateway  
to accelerate time to value



## InterSystems® Supply Chain Orchestrator™

A decision intelligence data platform  
to accelerate time to value

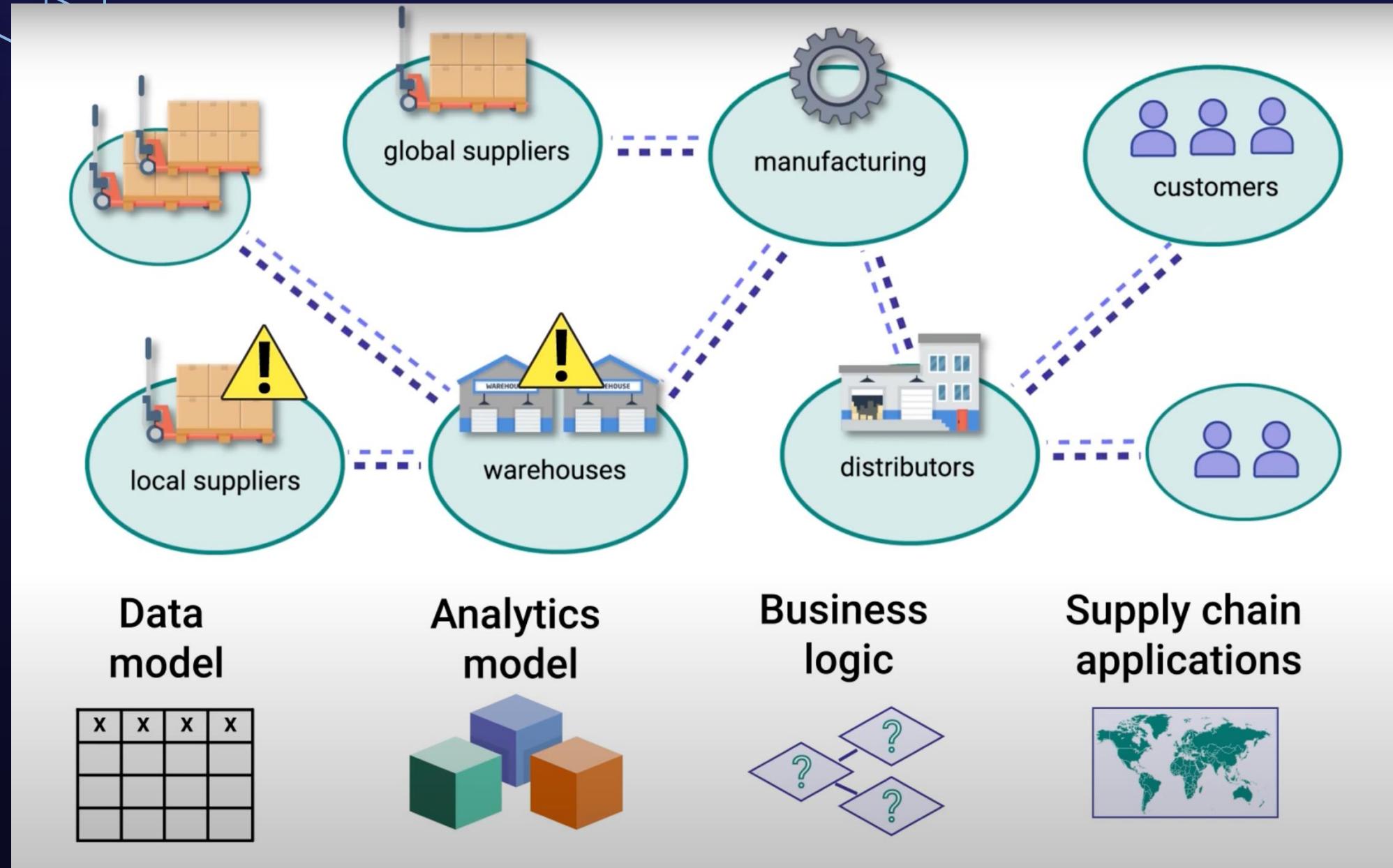


# What is Supply Chain Orchestrator?

A **decision intelligence data platform** to integrate disparate data and sense disruption in real-time to support various applications, analytics and provide AI-driven prescriptive insights



# Supply Chain Orchestrator



## Data model

x	x	x	x

x	x	x	x

x	x	x	x

x	x	x	x

## Analytics model



## Business logic



## Supply chain applications



**InterSystems™**  
Supply Chain Orchestrator

# InterSystems Supply Chain Orchestrator



Accelerate business outcomes with integrated decision intelligence

## Optimized Fulfillment



Create a differentiated order fulfillment experience with prescriptive insights

Adapt to order changes, supplier availability issues and demand spikes for competitive advantage

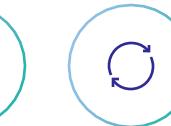
## Demand Sensing & Forecasting



Enable applications to optimize business outcomes

Embedded AI/ML techniques to detect current short-term supply chain trends in near real time with data harmonized and normalized

## Supply Chain Orchestration



**See > Understand > Optimize > Act**  
Attain an agile and resilient supply chain model

Power your supply chain application ecosystem with healthy data for end-to-end visibility, insights and better decisions

### Improve on-time-in-full

### Improve forecast accuracy

### Provide actionable control tower

### Improve productivity

### Improve on-shelf availability

### Reduce cost/improve operating margin

### Improve customer satisfaction

### Improve inventory optimization

### Optimize sustainability decisions



# InterSystems Supply Chain Orchestrator Differentiation

Power your supply chain application ecosystem with **four embedded technologies** acting as one product lowering total cost of ownership and accelerating time to value

## Consistent Unified Data

### Multi-Model DBMS

Harmonize and normalize disparate sources and formats—relational, non-relational, streaming, etc. — for consistent and accurate data representation



## Harmonized Data On Demand

### Multi-Workload DBMS

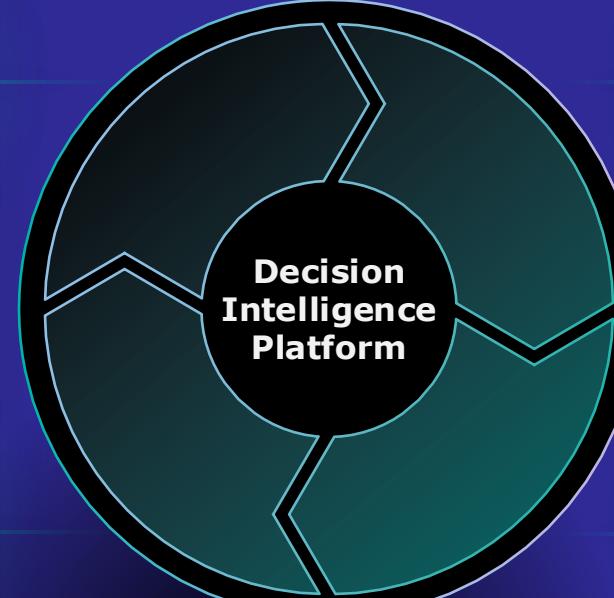
Ingest data in motion and at rest, process and analyze data in real time without delay and at scale, without moving or copying the data for analysis



Co-Pilot

LLM

Vector Search



## Intelligent Processes

### Interoperability

Enable seamless, accurate, connected supply chain orchestration and AI enabled intelligent business processes



## Actionable Insights

### Advanced Analytics

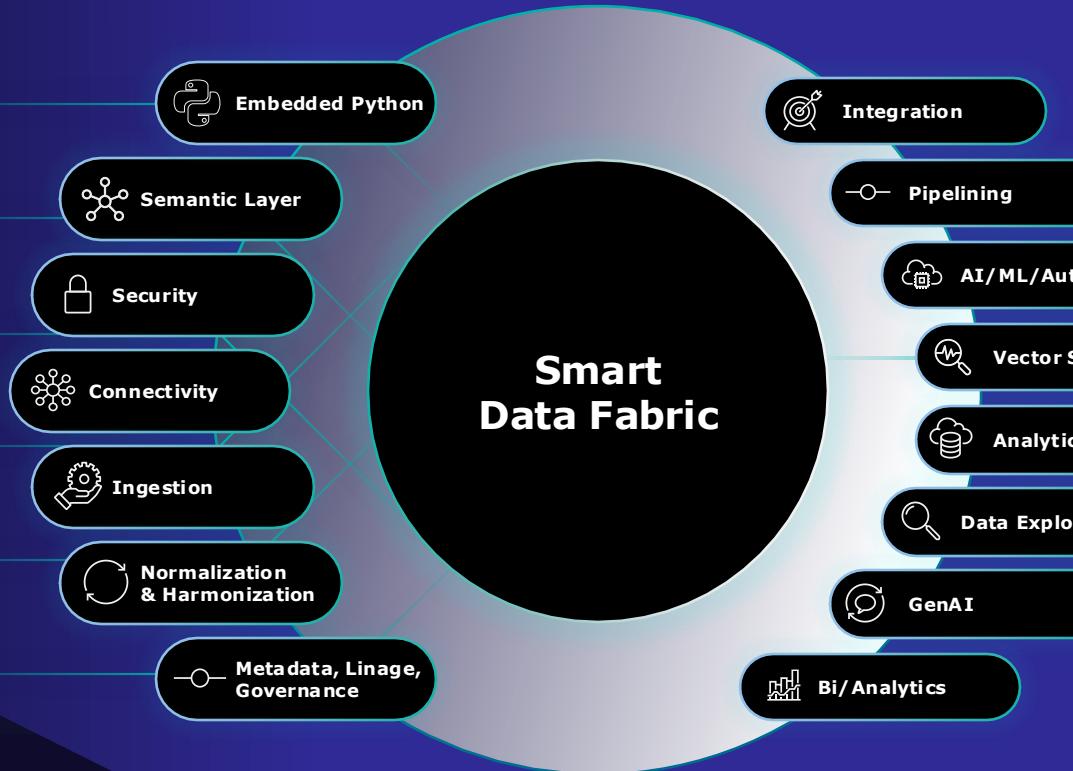
Real-time advanced analytics—BI, ML, AI, NLP—for descriptive, predictive and prescriptive insights in the moment



# Built on our Underlying Smart Data Fabric Across Products



## Data Sources



Enterprise-wide current and consistent data and metadata



Single source of truth for business users, analysts, customers, and applications



Enables interactive, dynamic data exploration



# InterSystems Supply Chain Orchestrator

## Supply Chain Accelerators

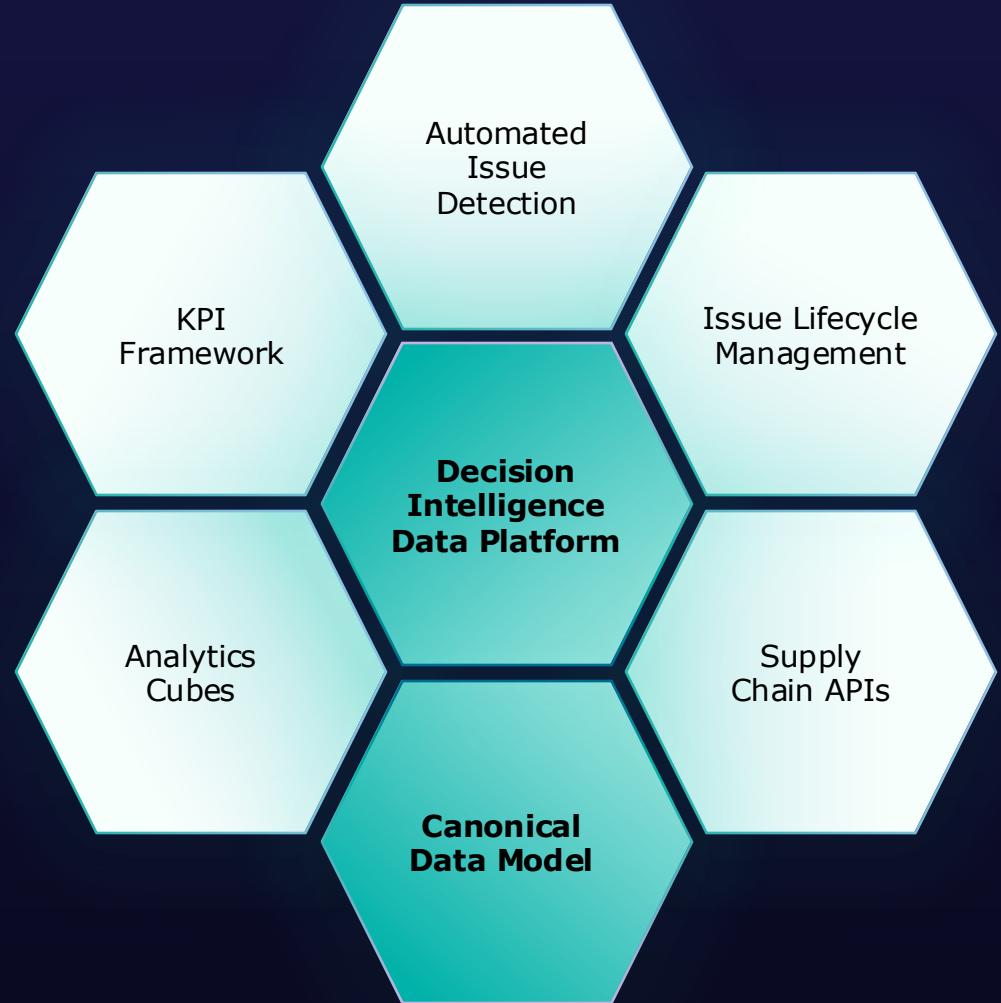


- Simplify data staging in customizable supply chain data model with low-code, recipe-based integration
- Enrich E2E visibility for harmonized KPI reporting using extensible built-in data cubes
- Deploy optimization algorithms within native workflows through embedded BI and ML
- Enhance decision intelligence through process automation and GenAI
- Reduce the impact of existing technological debt on supply chain innovation



# InterSystems Supply Chain Orchestrator

## Supply Chain Accelerators



Simplify data staging in customizable supply chain data model with low-code, recipe-based integration

Common supply chain entities (suppliers, purchase orders, inventories, carriers, etc.)

Common properties for each entity (dates associated with an order, names and addresses of customers, etc.)

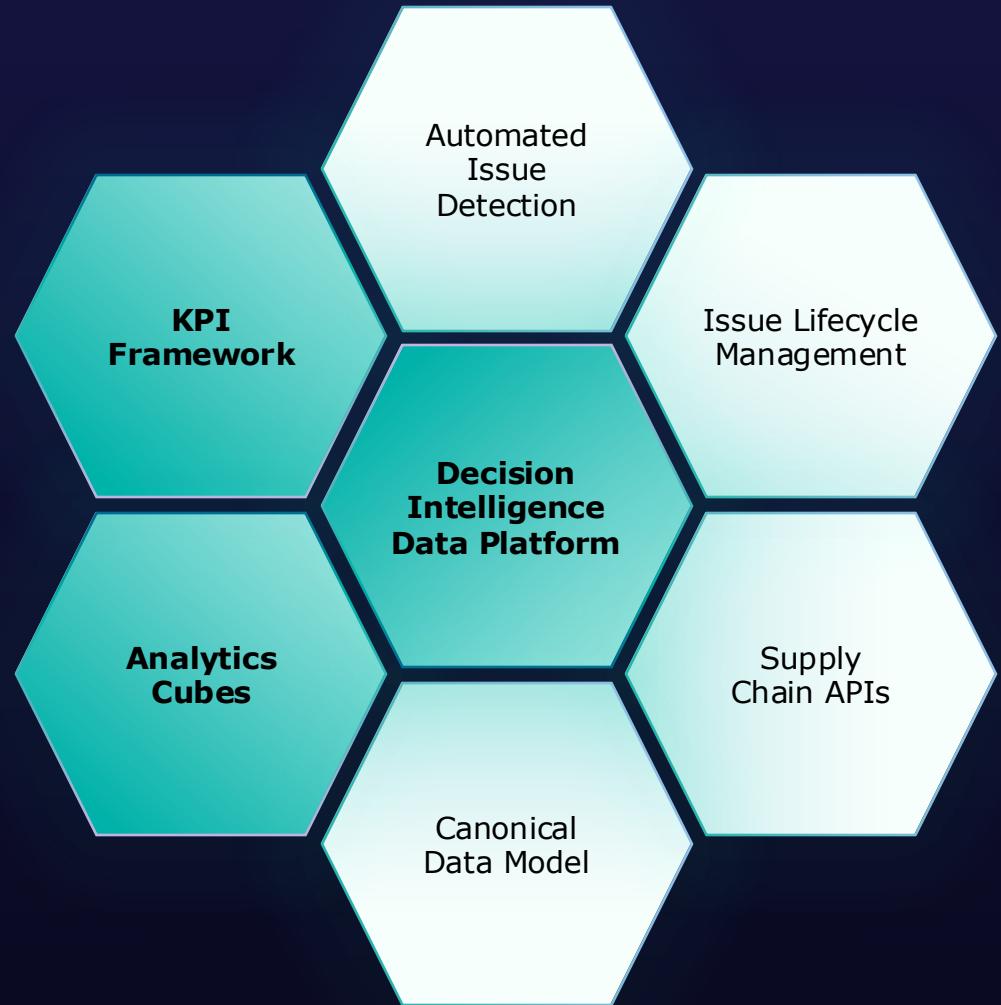
Relationships between entities (shipment to orders, inventory to products, etc.)

Keys and indices for each entity object



# InterSystems Supply Chain Orchestrator

## Supply Chain Accelerators



Enrich E2E visibility for harmonized KPI reporting using extensible built-in data cubes

Analytical cubes defined directly on canonical data model

Framework to configure KPIs based on organization specific requirements:

KPI logic

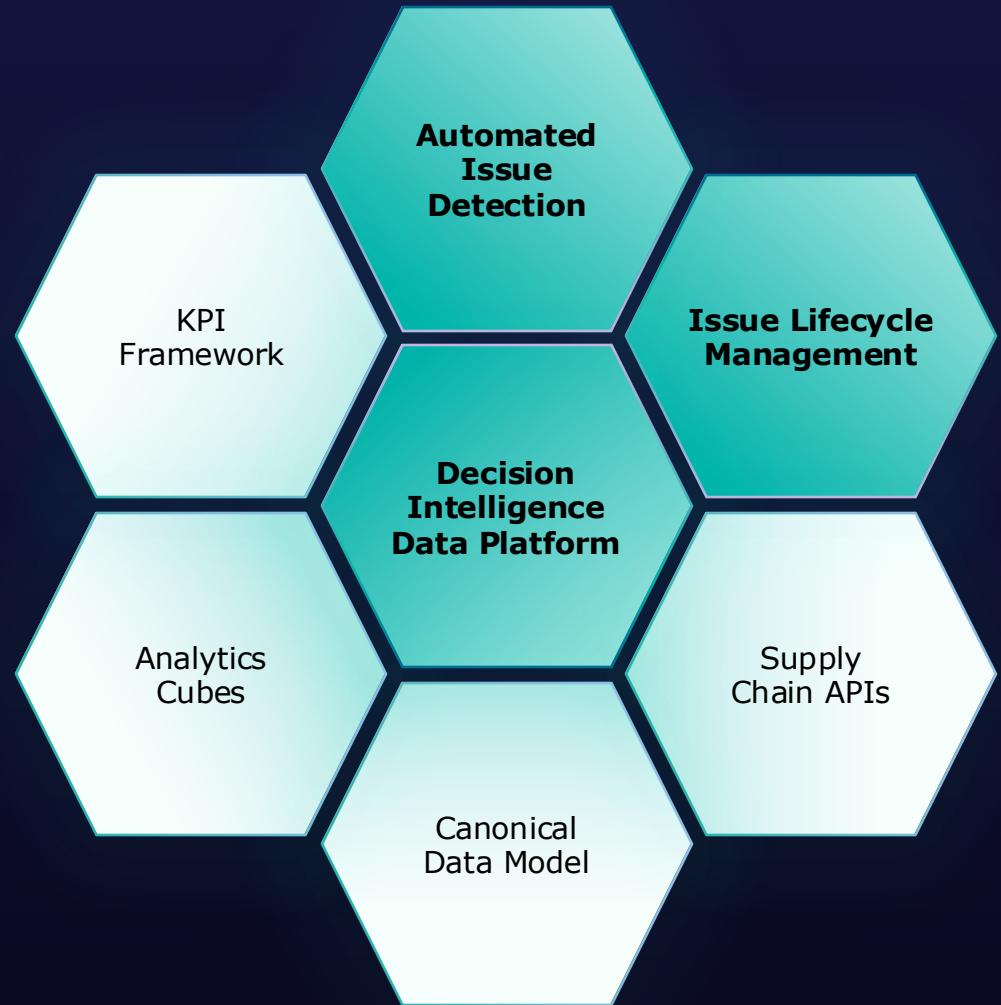
KPI dimensions

KPI thresholds

Issue flag

# InterSystems Supply Chain Orchestrator

## Supply Chain Accelerators



Deploy optimization algorithms within native workflows through embedded BI and ML



Enhance decision intelligence through process automation and GenAI



Supply chain disruptions and risks are modeled as issues:

Auto-generated via KPIs

Triggered by business processes

Captured from external systems

Key parts of issue life-cycle management:

Severity level      Impact analysis

Urgency level      Prescribed action analysis

# InterSystems Supply Chain Orchestrator

## Supply Chain Accelerators



Reduce the impact of existing technological debt on supply chain innovation

Foundational data management capabilities

Supply Chain APIs:

Data model discovery and extension

Data access for CRUD operations on any supply chain entity

KPI management

Issue management



# Supply Chain Orchestrator Product Overview



## InterSystems Supply Chain Orchestrator

### Supply Chain Cloud Services

#### Supply Chain Framework

Prescriptive Actions

Pre-Built Cubes KPI Framework

Supply Chain Data Model, Adaptors & API

#### InterSystems IRIS

Business process rules engine

Embedded analytics AI/ML

Integration

Data engine



**Meeting customer  
driven business  
outcomes**

# InterSystems Supply Chain Solution Suite



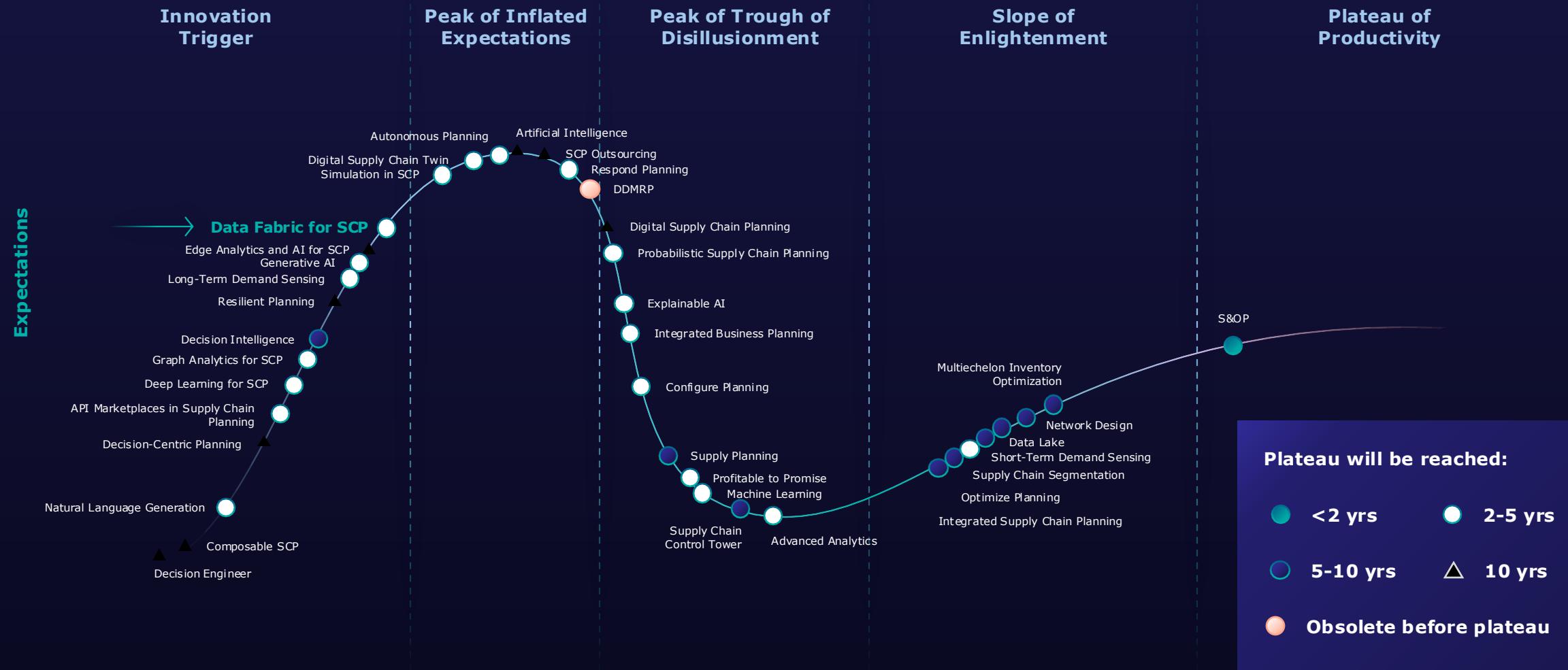
## InterSystems® Data Fabric Studio™ with Supply Chain Module

A fully managed data gateway  
to accelerate time to value

# Hype Cycle for Supply Chain Planning Technologies



2023



# What is InterSystems Data Fabric Studio with Supply Chain Module?



InterSystems Data Fabric Studio with its supply chain framework is a fully managed cloud-based low-code solution using a smart data fabric architecture. It can be used by any organization across industries that struggles with data silos to accelerate time to value

This **modern, self-service** solution provides the ability to unlock unified data access for business users, delivering **timely, accurate, consistent data** to empower better decisions, and improve risk and performance management, sustainability reporting, and operational efficiency



The **solution** is designed to provide quick and easy access to **live and historical data** for supply chain practitioners and data analysts, stewards and engineers

The solution automates and manages data processing activities, in a controlled environment, **minimizing reliance on development resources**, while eliminating operational risk



## Key features include:

- Unified supply chain data without the need for long development cycles
- No proprietary knowledge required
- Data persistence with extensible canonical Supply Chain data model
- Data operations management and automation including loading, transformation and promotion activities
- Fully managed, hosted in major cloud providers
- Open data access by the analysis tool or language of the customer's choice
- Minimal development required

# InterSystems Data Fabric Studio™ with Supply Chain Module

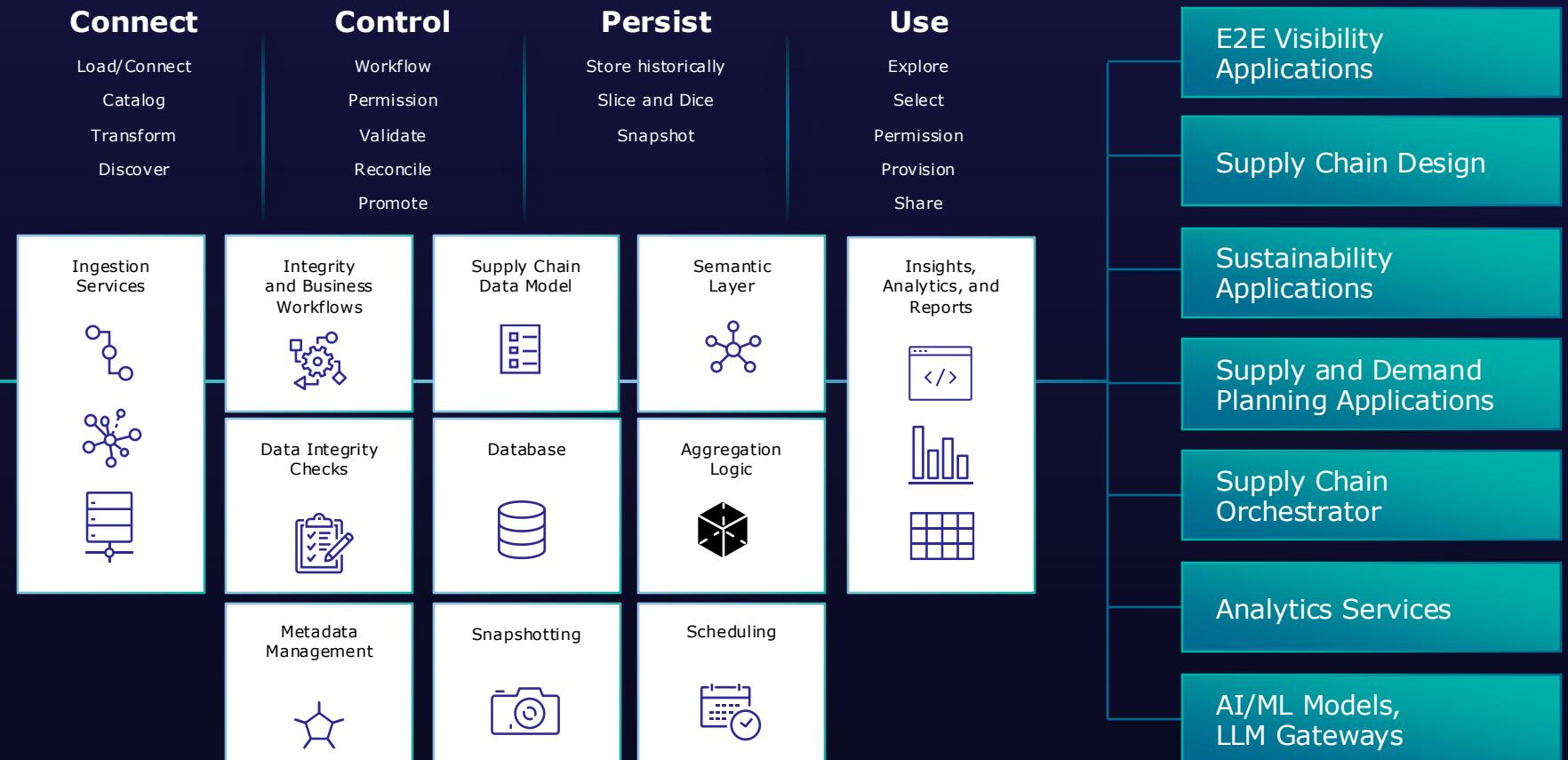


**A fully managed, self-service data gateway for a unified source of actionable information**

## Data Sources



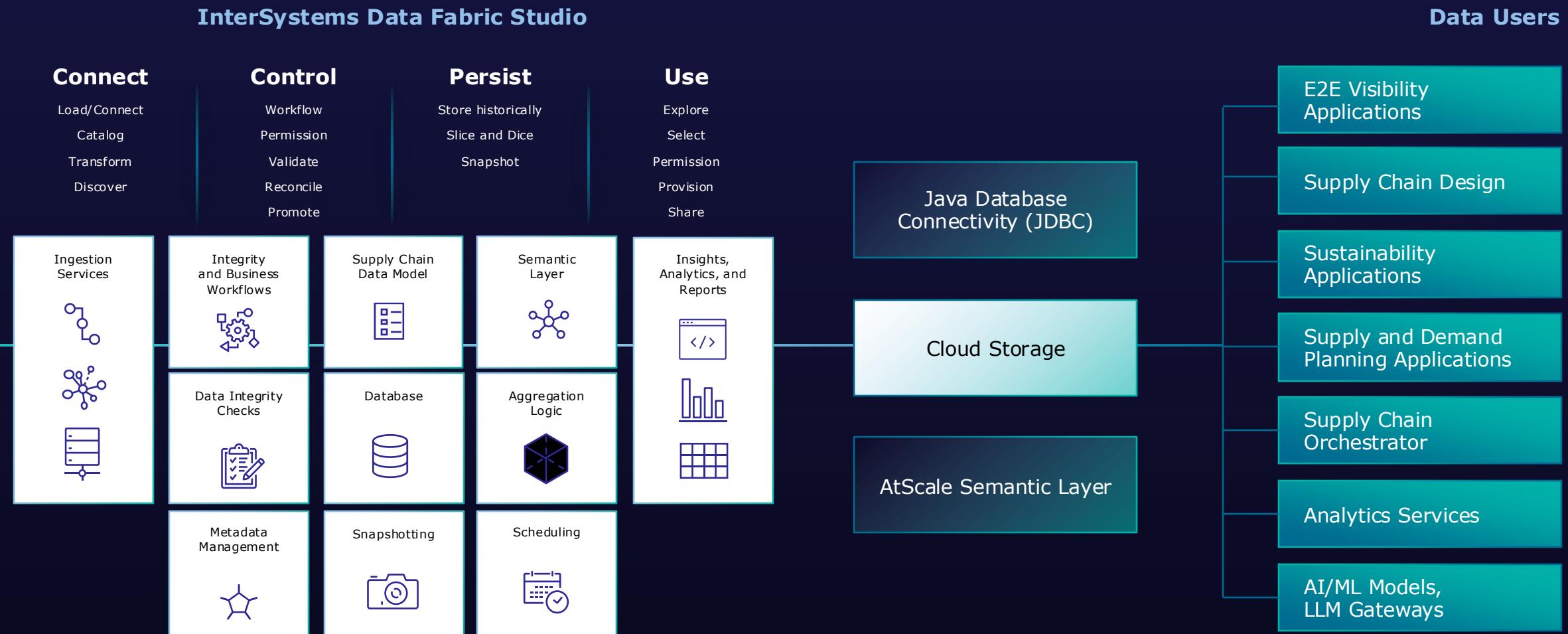
## InterSystems Data Fabric Studio



## Data Users



# InterSystems Data Fabric Studio™ with Supply Chain Module





# Improve Time to Decision Using Data Fabric Studio with Supply Chain Module

Improvement Area	Data Fabric Studio with Supply Chain Module's Role
Inventory Management	Faster, more informed decisions reduces lead times, which helps optimize inventory allocation, improving inventory turns and working capital in conjunction with InterSystems Supply Chain Orchestrator or third-party applications.
Forecasting and Reporting	Faster access to real-time trend, disruption, and SNEW (social, news, event, and weather) data improves accuracy of forecasting and reporting, which helps with supply chain planning in conjunction with InterSystems Supply Chain Orchestrator or third-party applications.
Operational Spend	Faster data acquisition leads to lower operational spend.
Implementation Time with Supply Chain Solution Providers	As the front-end data gateway for supply chain planning applications, companies can reduce implementation times by 3X, reducing operational costs and accelerating time to revenue.

"Our partnership with InterSystems has allowed us to speed and simplify data ingestion and unification for our supply chain planning application providers. Customer implementation is now one-third the time, lowering operational costs and accelerating time to revenue."

- Balaraj Pudota, VP and Global Head of SAP Practice at UST.

# InterSystems Value Enablers Comparison



Feature	InterSystems® Supply Chain Orchestrator™	InterSystems® Data Fabric Studio™ with Supply Chain Module
Data integration capability	✓	✓
Low-code environment with easy-to-use web interface		✓
Data catalog management capability		✓
Data persistence for staging, normalized data, and snapshots		✓
Flexible and portable data pipeline which supports staging, validation, transformation, reconsolidation, mapping, and promotion, etc.		✓
Built-in supply chain data model, easily extensible for each client needs	✓	✓
Built-in analytics and ML	✓	Optional
User configurable KPIs, issue lifecycle managements	✓	
Business process and rules engine	✓	
Decision intelligent support	✓	
Implement client specific supply chain use cases or applications	✓	

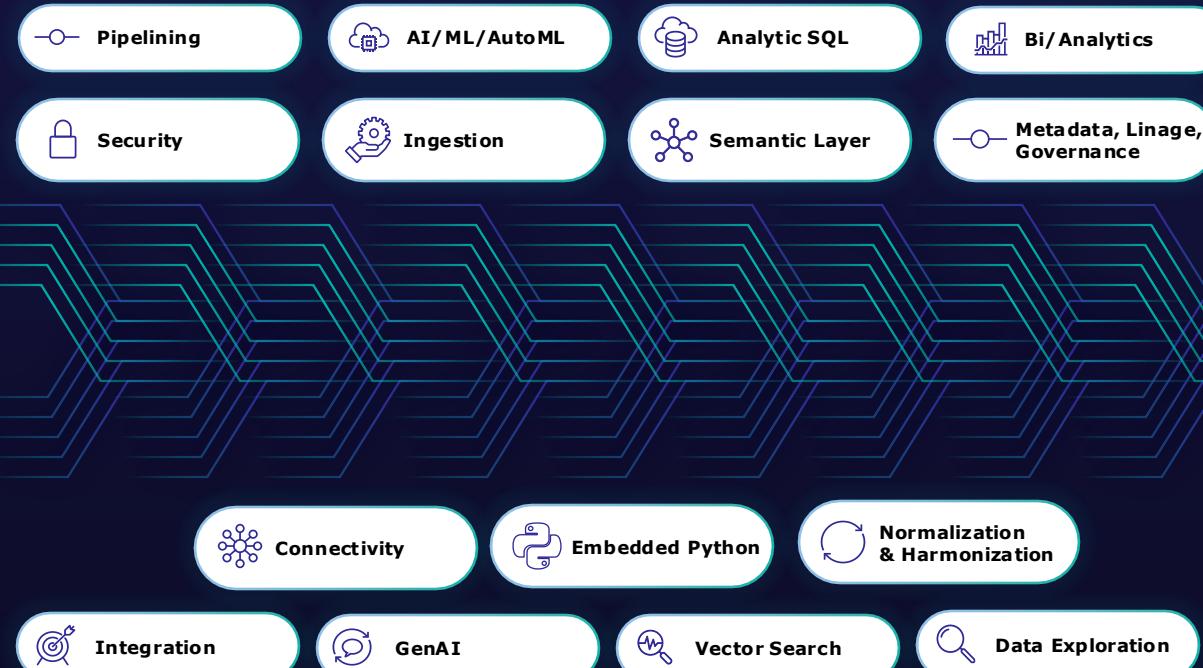
# Case Study: Production Planning Optimization Within a Fortune 50 Company



## Data Sources



## Smart Data Fabric



## Business Outcomes

Automated and Optimized Component Allocation

Automated Production plans to LOB

Optimized TMS Routing Considering C02 Impact

Prescriptive Insights



Enterprise-wide current and consistent data and metadata



Single source of truth for business users, analysts, customers, and applications



Enables interactive, dynamic data exploration

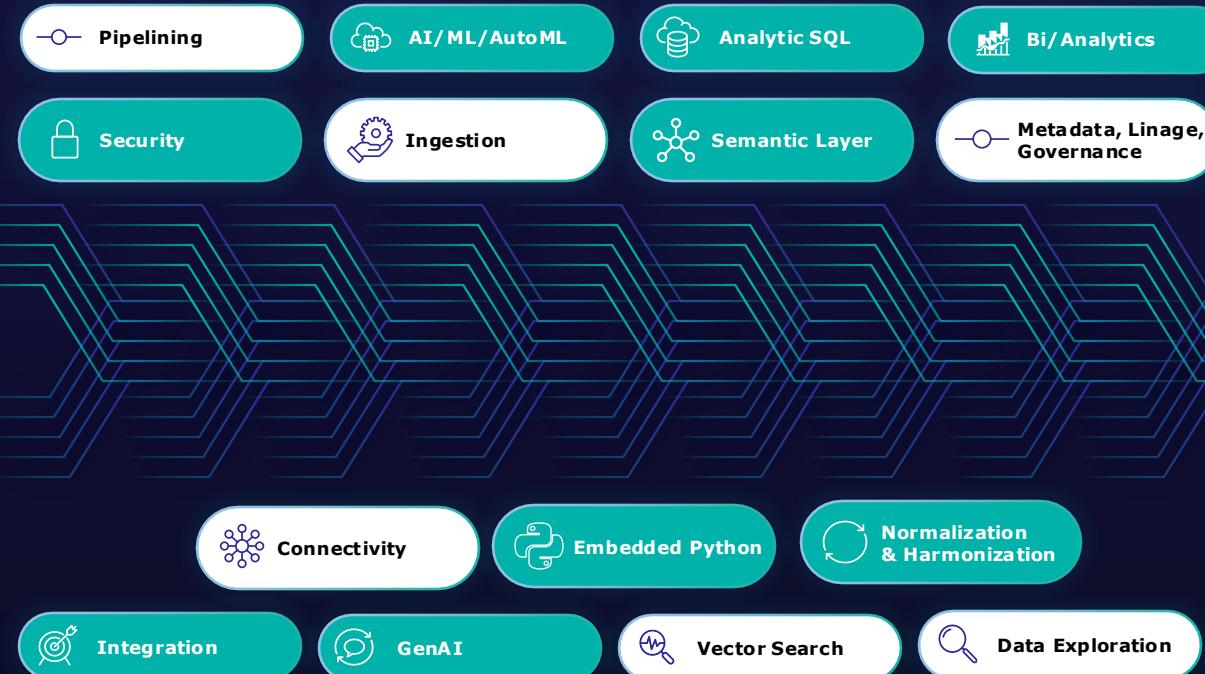
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# Actionable Insights with Co-Pilot



InterSystems Supply Chain Orchestrator

Home > Order Dashboard > Issues > Order Details

**Sales Order: 4e3ab086-9c5f-4eac-bbb8-47639ba3b288**

**Customer**  
Chicago General Hospital

**Ship to**  
LOC-CUST-12  
1852 W 19th St  
Chicago, IL 60608  
USA

**Order Value**  
\$111,180

**Order Status**  
FullShip

**Order Placed Date**  
5/26/2024, 12:00:00 AM

**Requested Ship Date**  
5/27/2024, 12:00:00 AM

**Requested Delivery Date**  
5/31/2024, 12:00:00 AM

**Committed Ship Date**  
5/27/2024, 12:00:00 AM

**Committed Delivery Date**  
5/28/2024, 12:00:00 AM

**Issue 1** ! Issue High Severity: 1

Sales order not shipped past the committed s

**Analysis | 6/3/2024, 3:57:24 PM** Update

**Severity: 3 Urgency: 1**

**Root Causes**  
Unexpected high demand for the products in

**Impact Analysis**  
Serious customer satisfaction concerns, and

**Recommendations**

- Option A** RECOMMENDED  
Check for the product inventory in the nearby warehouse  
*Impact: The order will be fulfilled, with extra \$2000 shipping cost.*
- Option B**  
Wait for another inbound shipment containing the order products and expedite that shipment  
*Impact: \$3000 extra shipping cost plus penalty. Order expected to be 6 days late.*
- Option C**  
Place an urgent order directly from supplier and have it ship to the hospital  
*Impact: \$2500 cost for new order along with shipping and penalty.*

Accept Ask Co-Pilot

**Why option A was recommended?**

Option A was recommended because it has the lowest cost impact among the available options. Specifically, Option A involves checking for the product inventory in the nearby warehouse, with a cost impact of \$2000, which is less than the cost impacts of the other options. According to the business process execution context, the recommendation is based on having the lowest cost impact to fulfill the order.

**show additional information**

**Send a message**

**Close Chat**

**Order Line Items**

# Inventory Optimization for Healthcare Providers



INTERSYSTEMS SUPPLY CHAIN ORCHESTRATOR

Demo User

City Memorial Hospital

108 Open Issues    21 Awaiting Decision    38 Severe Issues

★ 1 ★ 1 ★ 1 ★ 1 ★ 1 ...

Inventory Scheduled Procedures Incoming Supplies

Filter by:

View all

33 Late Supply Shipment

54 Expected Late Supply Shipment

Date	Site	Shipment Contents	Status
8/31/2024	Cardinal Health	4820 units of ...	ON TIME
8/31/2024	Universal Medical Inc	4820 units of ...	ON TIME
8/31/2024	Osbourne Medical Supply	4820 units of ...	LATE
8/31/2024	Cardinal Health	4820 units of ...	ON TIME
8/31/2024	Osbourne Medical Supply	4820 units of ...	ON TIME

Rows per page: 5 ▾ 1-5 of 10 < >



# Track and Trace Cloud Service with Descartes MacroPoint

**Brings shipment updates to Supply Chain applications built on Supply Chain Orchestrator at SKU level:**

ETA  
updates

Latest  
location  
updates

Status  
updates

Alerts  
and  
events

**Leverage Descartes MacroPoint as service provider**

Global real-time freight visibility platform

Global coverage for ocean freight

North America and Europe truck coverage

Also support air and rail



**Descartes  
MacroPoint**



# Key Take Aways

**Composable Solutions, not Commercial Off-the-Shelf (COTS)**

**Improved Decision Intelligence**

**Complements Existing Systems**



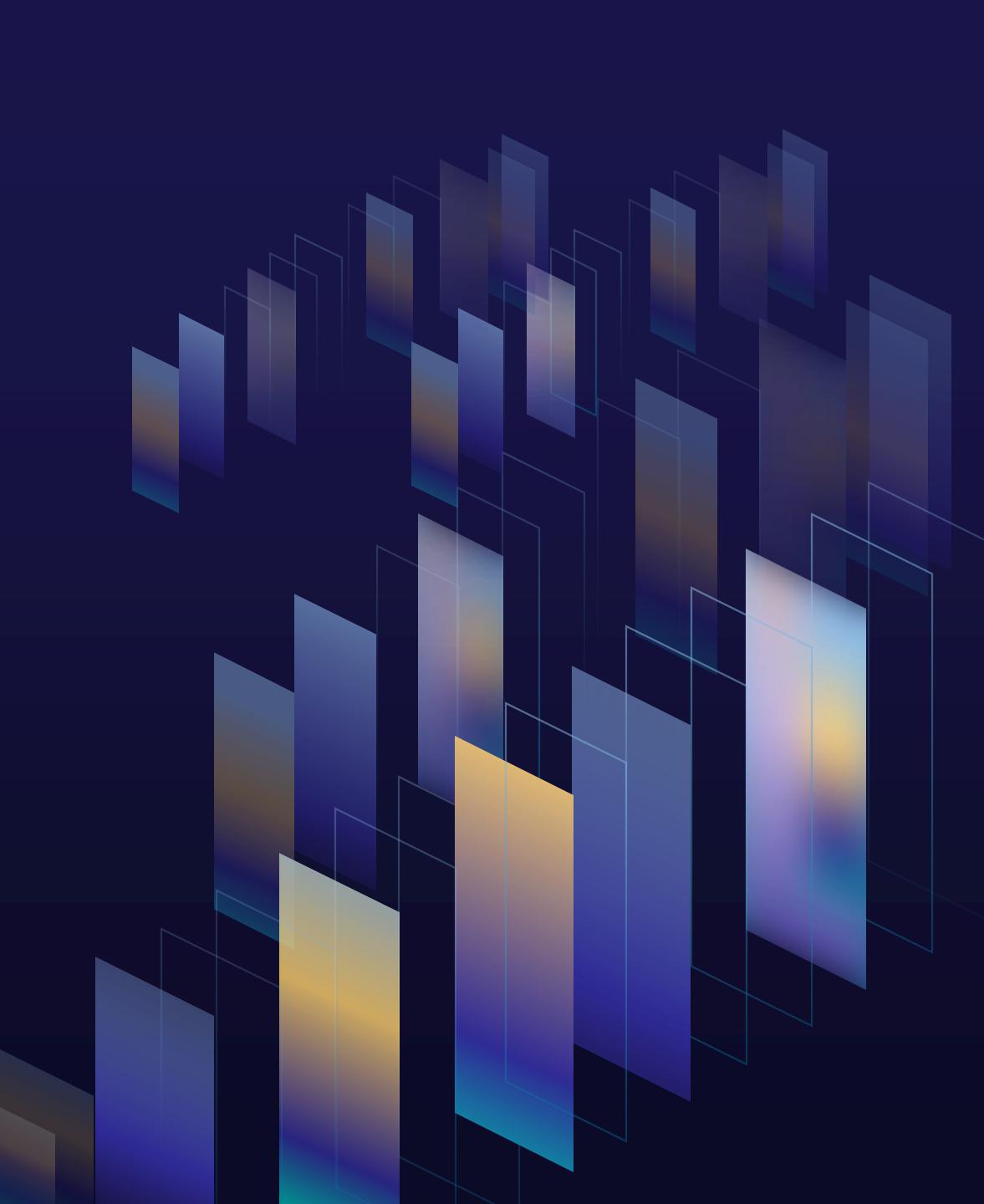
 **InterSystems Supply Chain Orchestrator™** is a differentiated supply chain decision intelligence platform with out-of-the-box data integration, ingestion, interoperability, and AI/ML analytics with GenAI as one product

 **InterSystems Data Fabric Studio™** with supply chain module is a fully managed cloud-based low-code solution using a smart data fabric architecture. It can be used by any organization across industries that struggles with data silos to accelerate time to value

# InterSystems IRIS Data Platform in comparison to AWS/Azure:



Kategorie	Funktionalitäten	IRIS	AWS	Azure
Daten-Management	Transactional database	IRIS	Aurora, RDS	Az SQL, Cosmos, ...
	Analytical database	IRIS	Redshift	Data Lake Analytics
	Key-value	IRIS	DynamoDB	Table Storage
	Object	IRIS		
	Document	IRIS	DocumentDB	Az Data Lake
	In-memory	IRIS	ElastiCache	Az Cache for Redis
	Text search	IRIS	CloudSearch	Az Cognitive Search
Integration & Business Process Management	API management	IRIS	API Gtw, AppSync	API Mgmt
	Orchestration	IRIS	AppFlow, EventBridge	Batch, Az Pipelines
	Messaging	IRIS	SNS, SQS, MQ	Service Bus, AW PS
	Transformation & ETL	IRIS	Glue	Data Factory
Analytics	Business Intelligence	IRIS	QuickSight, DataBrew	Synapse Analytics, Az AS, PowerBI, ...
	ML Model Runtime	IRIS	Sagemaker, Lambda	Az ML, Az Functions
	AutoML	IRIS	Sagemaker AutoPilot	Az ML, Az Databricks



# Customer References

# Case Study | European Space Agency



## MAPPING THE MILKY WAY ON GAIA SATELLITE MISSION



European Space Agency

- European Space Agency on mission to map the Milky Way
- 24/7 data collection by Gaia satellite in special data formats
- 40 million observations a day

[Read the Success Story](#)

[Infographic: "The Gaia Project"](#)

### CHALLENGES

- Immense amounts of data in real time
- Scanning of 3 billion objects in various dimensions at least 70 times per object

### EFFECTS ON THE MISSION

- ✓ Real-time conversion of satellite data for forwarding to other systems
- ✓ Approx. 190,000 near-Earth asteroids already discovered in the process
- ✓ ESA was able to develop directly on the InterSystems POC, no downtime

# Case Study | Broadridge Financial Solutions



## ENABLING “ONE SECOND RESPONSES” FOR GLOBAL FINTECH LEADER



### Broadridge®

- Global FinTech leader worth USD 5 billion
- Handling \$7TN of fixed income and equities securities trades per day
- Clients include 150 brokerage firms and just about every bank on Wall Street

[Read the Success Story](#)

[Ressource: “Smart Data Fabric”](#)

### CHALLENGES

- Growing volume of data incoming from multiple sources such as IoT devices and social media and traditional documents.
- Users need a real-time, consistent view of an account’s assets using standard APIs.

### EFFECTS ON THE MISSION

- ✓ Smart Data Fabric without pulling the plug on any existing hardware or systems.
- ✓ Data aggregation layer allows for real-time, intra-day, batch, and streaming ingestion. Integrates Broadridge’s systems with those of its customers and third-party data stores.
- ✓ InterSystems IRIS provided a 900% improvement in performance using only 30% of the infrastructure, compared with an alternative approach.

# Case Study | Top 5 Oilfield Services Company



## DIGITAL TRANSFORMATION, PERFORMANCE AND COST OPTIMIZATION OF ENERGY PROVIDER

### TOP 5 OILFIELD SERVICES COMPANY

- One of the world's largest oil exploration and oilfield services company
- Leading provider of technology for reservoir characterization, drilling, production, and processing to the oil and gas industry
- Working in more than 85 countries and employing over 100,000 people

### CHALLENGES

- High NPT and ILT, which account for 25% of drilling operation costs p.a.
- Manual Collection and Analysis of Sensor Data
- Lack of Real-Time Data

### EFFECTS ON THE BUSINESS

- ✓ Cost Reduction in Rig Operations by reducing NPT and ILT
- ✓ Increased Revenue with Intersystems over 700%
- ✓ Simplified Administration and Alignment with SaaS Solutions
- ✓ Continuous, real-time data provided by InterSystems enabled faster and better decision-making in rig operations

# Case Study | Vibra Energia (Petrobras)



## NEW SYSTEM CENTRALIZING FUEL DISTRIBUTION ACROSS LATIN AMERICA



- Largest distributor of fuels in Brazil and Latin America
- Formerly known as Petrobras Distribuidora SA, since 2021 Vibra Energia stock corporation
- 8,000 gas stations in Brazil alone
- \$25.1 billion turnover

### CHALLENGES

- Seamless integration across 50+ remote bases
- Interoperability-need for rapid data processing of diverse devices and systems

### EFFECTS ON THE BUSINESS

- ✓ Developed own system MDriver - a manufacturing shop floor software for all operations on InterSystems technology
- ✓ Integrated all types of high- and low-level devices (e.g. pumps, scales, gates) with high-speed data processing and updating
- ✓ Decreased hardware resources, increased performance
- ✓ Use of ML, AI for risk reduction and bottleneck resolution

# Case Study | Mediterranean Shipping Company



## ORCHESTRATION OF THE SUPPLY CHAIN WITH OPTIMIZED FULFILLMENT



- Global provider of transportation and logistics solutions
- Largest container shipping company in the world
- \$28.2 billion turnover
- 21 million standard containers transported per year
- 300,000 container movements per day

[Read the Success Story](#)

[Video "MSC's Digital Transformation Journey"](#)

### CHALLENGES

- No real-time transparency in the event of faults
- No real-time data validation

### EFFECTS ON THE BUSINESS

- ✓ Real-time visibility of location status and disruptions for all modes of transportation
- ✓ Real-time workflow processing, validation and delivery of transportation data. Elimination of errors in paper-based recording and status determination
- ✓ No downtime

# Case Study | Top 10 International Elevator Vendor



## DIGITAL TRANSFORMATION WITH INTEROPERABILITY PLATFORM

### TOP 10 ELEVATOR VENDOR

- Top 10 worldwide Elevator Vendor
- \$9 billion USD revenue worldwide
- 400+ different integrations in about 30 hours in average

### CHALLENGES

- Create a single source of truth
- Real time access to elevator data for support
- Enable digital transformation

### EFFECTS ON THE BUSINESS

- ✓ Real-time data to deliver business insights and enable 24x7 real time support
- ✓ New business models by integration about 400+ different data sources to a single source of truth
- ✓ Shrinking TCO by an average 30 hours to integrate a new system for better time to value



Merci