

Data Platform Roadmap

The Foundation for Innovation

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The Race for Success in an Agentic World



THE
FUEL

AI-Ready Data

THE
ENGINE

**Agentic
Interoperability**

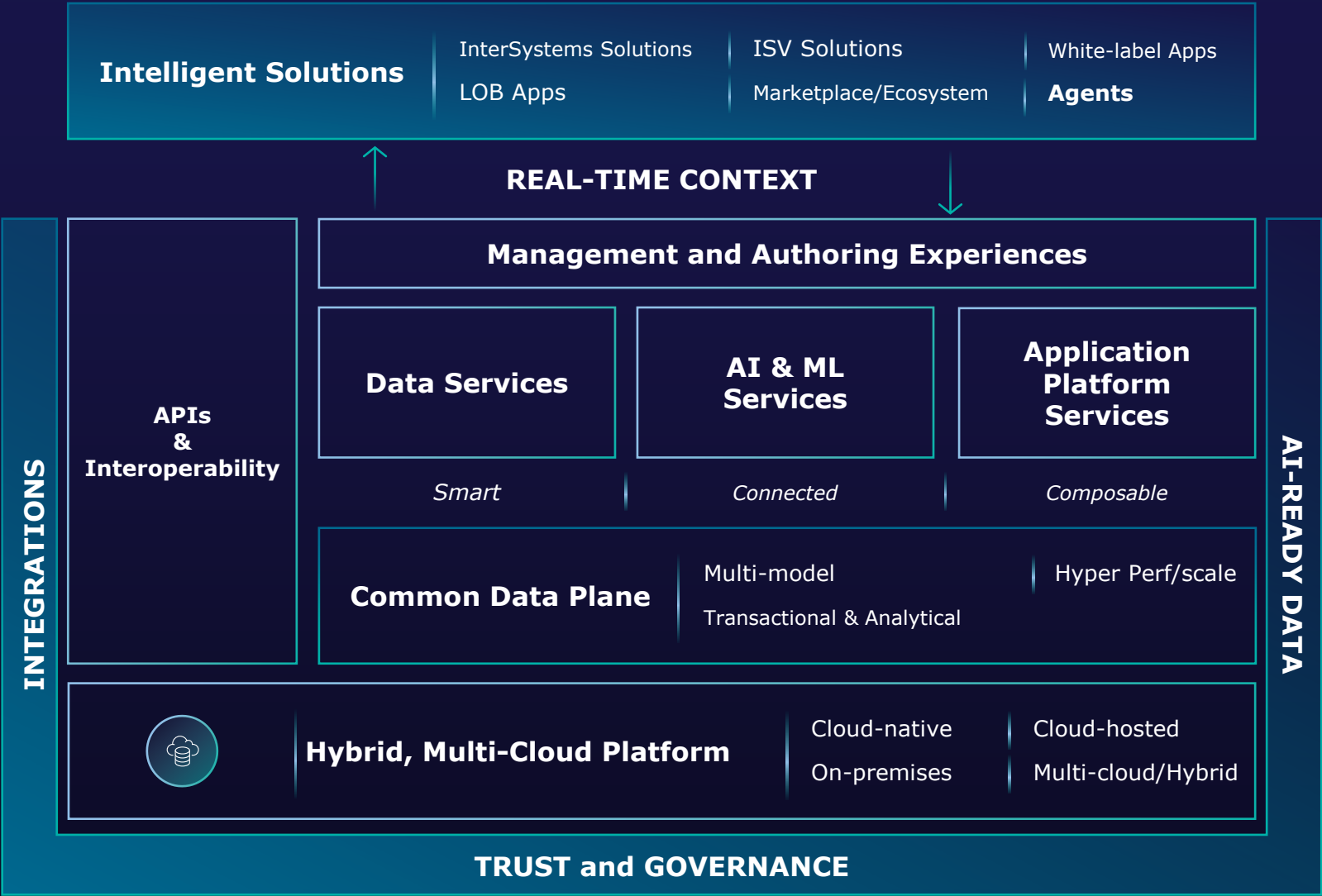
THE
TRACK

**Trust and
Governance**

THE
DRIVER

**Your Context &
Domain Knowledge**

Vision: A Data & AI Operating System for the Agentic Era



- ✓ **Solutions** - not just building blocks
- ✓ Integrated Cloud Experiences
- ✓ Develop data & AI powered applications
- ✓ Smart Data Fabric in your data ecosystem
- ✓ Data **360-view** natively part of the platform
- ✓ Solve the complexities of cloud infrastructure and operations

Towards the Data & AI Operating System



Recent and current investments driving towards our vision

Investments in **Data & AI capabilities** and services for builders to build bigger, build smarter, and build faster on the Common Data Plane



Investments in **Operations and Administration** to make it easier to manage complex environments and services, increasing automation and speed of delivery



Investments in **User Experiences** and application platform services to boost productivity and expand the reach of non-developer audiences





Data & AI **Building. Bigger. Better.**

Data Platforms Roadmap

Building. Bigger. Better.



Nurturing our pro-code builder ecosystem

Apps Anywhere



Build apps **server-side or client-side**, based on your use case's latency, scalability, and governance needs

Choice of Python, Java, .NET and ObjectScript for native or relational data access

Improved in 2026.1

ORM



Investments in leading Object-Relational Mapping frameworks **Hibernate and SQLAlchemy** increase flexibility and agility of data-intensive applications

Released in 2026 Q1

Integration



Intuitive APIs for **extending your productions with custom logic** in Python, Java, or .NET

PyProd: a **Native Python framework** for defining and managing entire productions

Released in 2026 Q1

Building. Bigger. Better.



Design applications that are ready for Agentially big data

Table Partitioning



Table Partitioning enables defining logical criteria to map SQL table data across multiple databases and storage tiers.

Experimental in 2026.1

Vector Search



Vector Search now offers faster searching and index builds on large datasets. Deeper integration of best-practices for chunking and offloading compute.

New in 2026.1 and roadmap

Open Table Formats



Open Table Formats decouple database storage and querying tasks. Use InterSystems IRIS to unlock your **Apache Iceberg** data assets.

Strategic roadmap item

Building. Bigger. Better.



Build better apps with the InterSystems AI Hub

Build native Agents on IRIS



Use a rich, intuitive SDK to build safe Agents, close to your data

Connect external Agents to IRIS using MCP



Expose business logic and data from IRIS safely using OAuth and MCP

Operationalize AI with IRIS



Add governance to your Agentic workflows and keep a human in the loop

Build safe AI apps & Agentic Workflows faster with the AI Hub, whether you're building on IRIS, wiring up existing IRIS investments, or looking for AI governance for external AI frameworks



Data Platform

InterSystems IRIS Vector Search



**Fast & easy generative
AI with contextual data**



**Fully integrated with
multimodal data engine**

2 0 2 4

Data Platform

InterSystems IRIS Vector Search



Data & AI Platform

InterSystems IRIS AI Hub



Fast & easy agents with contextual tools, workflows & governance



Fully integrated with scalable compute, security & workflow



2024

2026



InterSystems AI – Portfolio Highlights



Users

Developers

Agentic Apps & Workflows

Data Studio AI Assistant

Conversational Interface

Supply Chain Orchestrator

Decision Intelligence

InterSystems IRIS AI Hub

Governed Agent runtime

Agentic Development

Agentic Integration Builder

Integration copilot

iris-agentic-dev

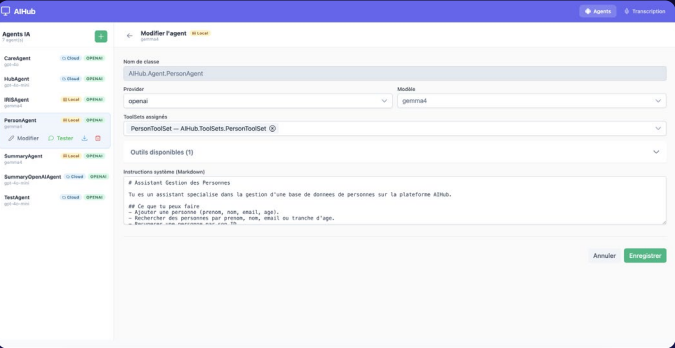
Developer productivity toolset

InterSystems IRIS AI Hub

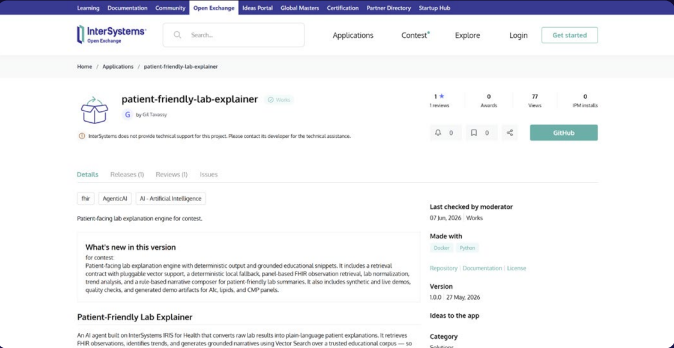


How our customers are innovating today

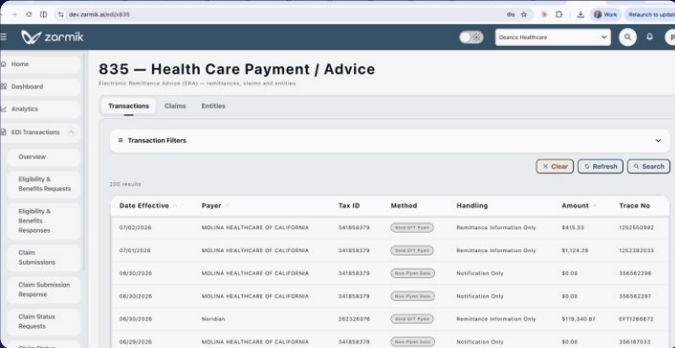
Patient Summary & generic chat interface for Native Agents (BE)



Patient-friendly Lab Results (IL)



Agentic Medical Payment Analysis Service (US)



Why We Built the InterSystems IRIS AI Hub

Developing AI apps is easy – getting the context right is not



Enterprise Context

Feeding AI the relevant data and tools in a timely, consistent manner



Security Context

Keeping your AI assets and configurations consistent and your keys safe

Workflow Context

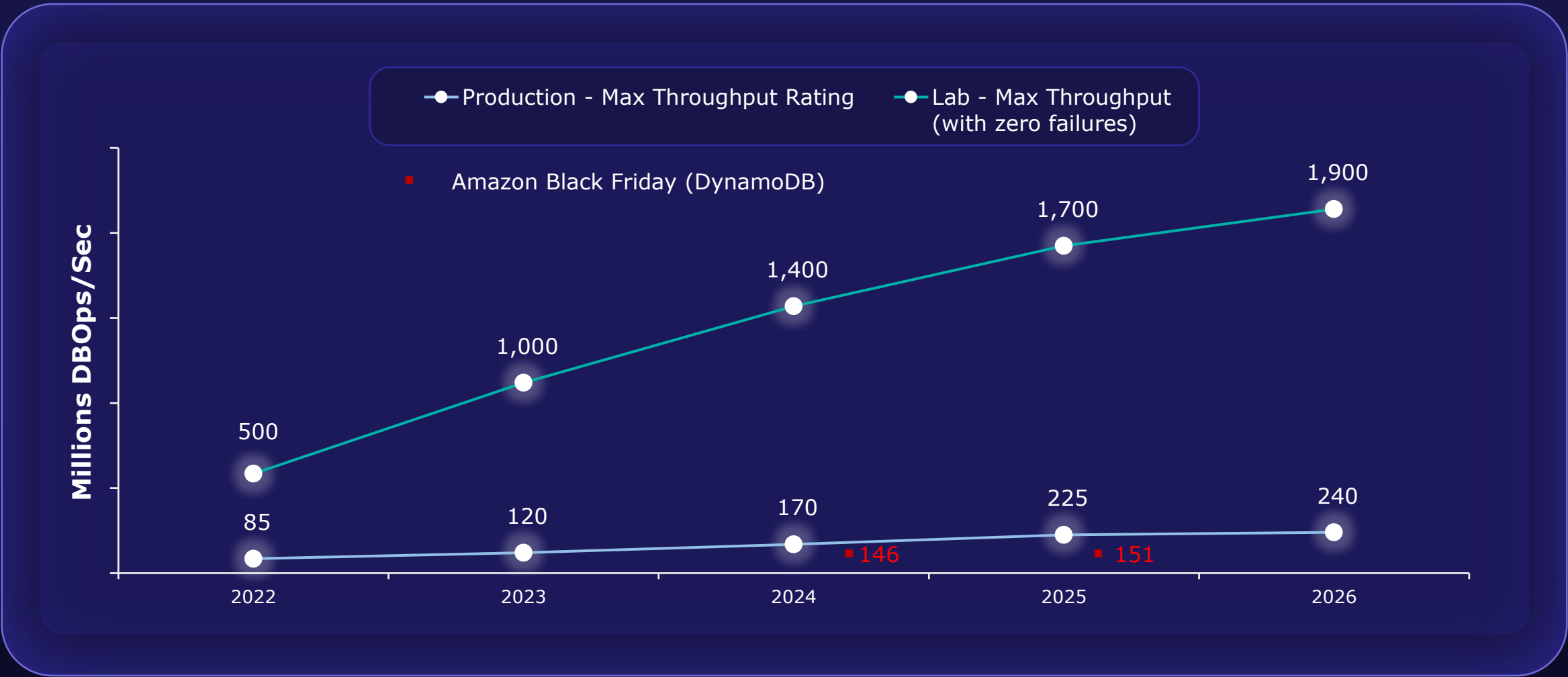
Embedding AI in a real business workflow, securely and with a human in the loop



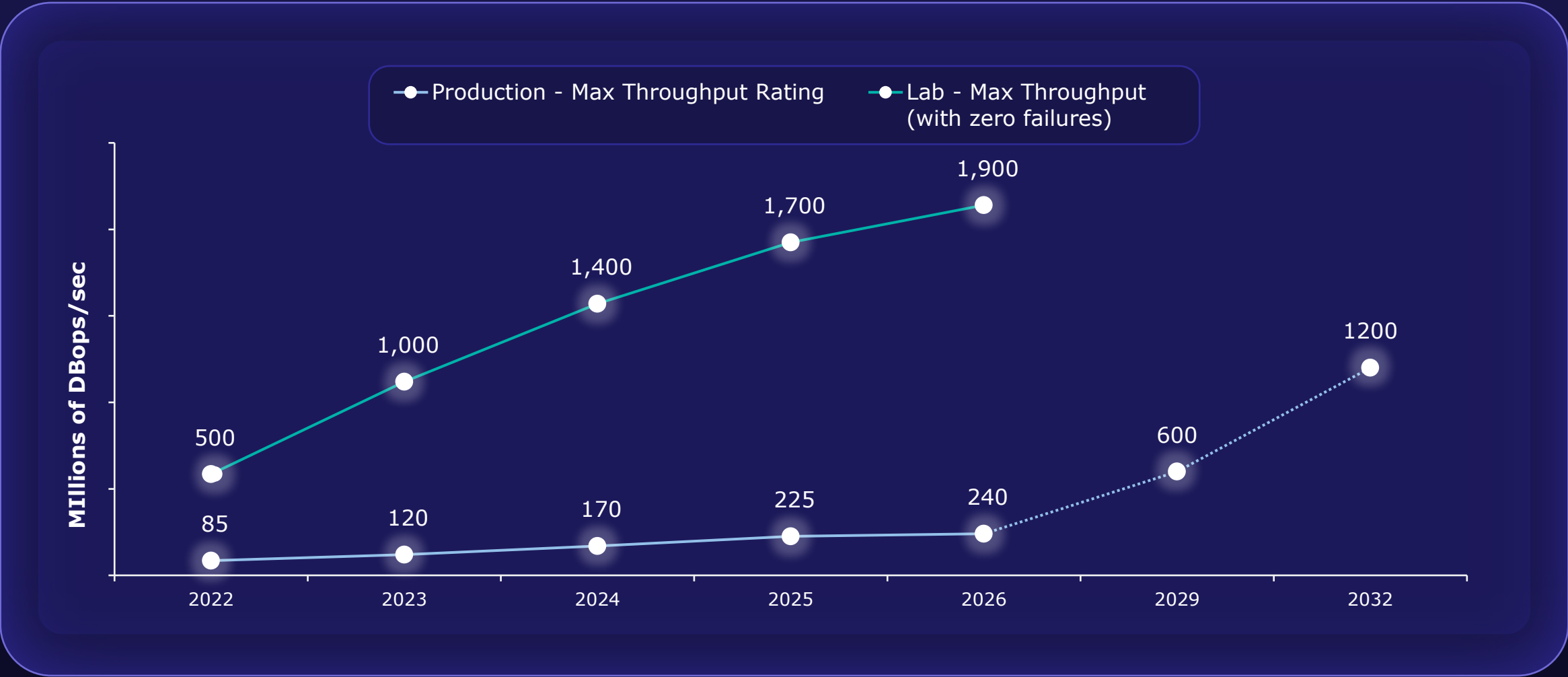
Ops & Admin Experiences

Data Platforms Roadmap – Ready 2026

Scaling at Epic - Transactional Throughput



Scaling at Epic - Projected Impact of Agentic Workloads

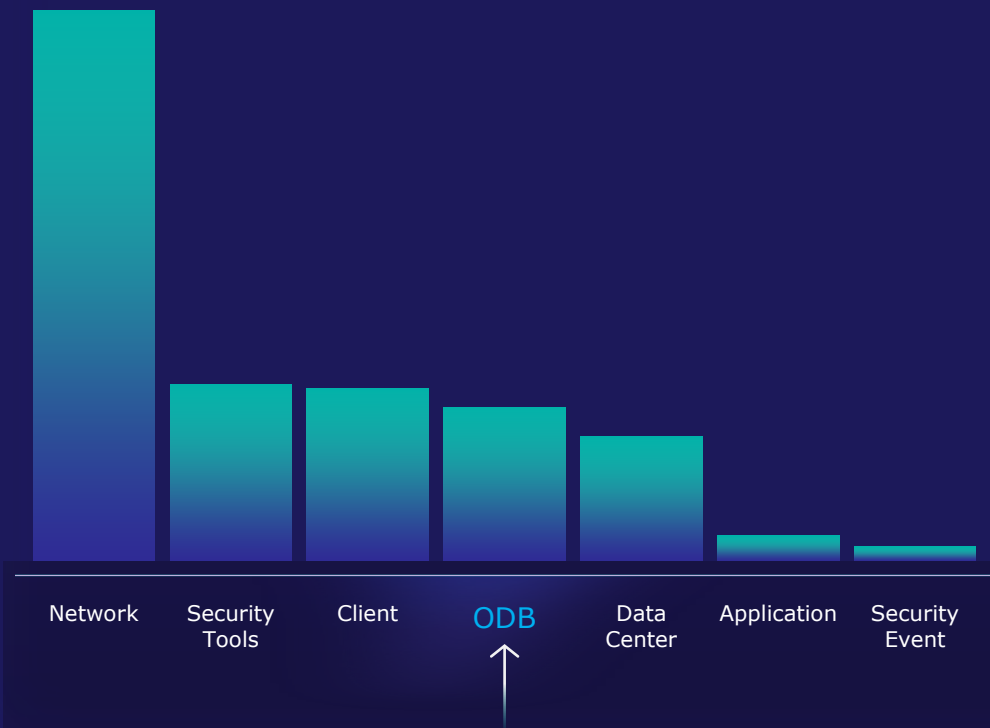


Boringly Reliable

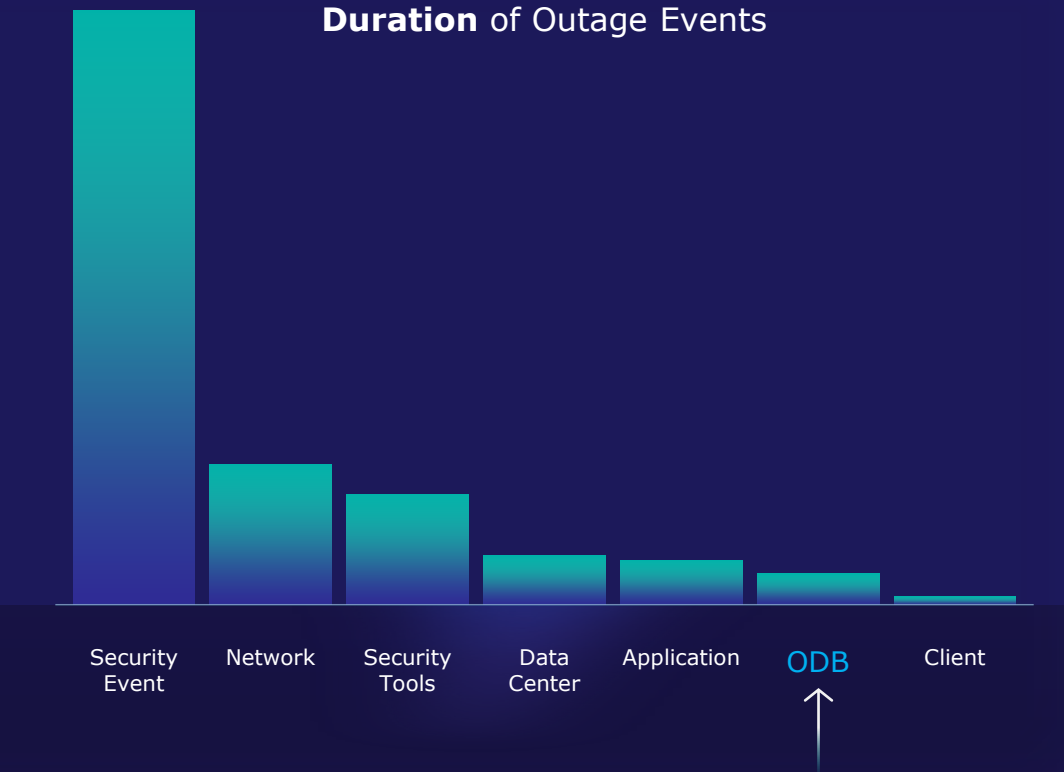


Last 12 months

Number of Outage Events



Duration of Outage Events



InterSystems IRIS

MTTR ~ 5 minutes

IRIS MTBF ~ 5.6 years

VLDB Features



Bracing for Billions of Bytes!

Database Size



New block number format enables growing beyond traditional database limits (32TB for 8k blocks). Moving to the new format will not require data migration.

New in 2026.1

File Size



Multi-volume Databases transparently create new physical files at a predefined max file size limit, avoiding FS/OS limitations and increasing operational convenience.

Since 2024.1

Budget Size



Table Partitioning enables defining logical criteria to map SQL table data across multiple databases and storage tiers.

Experimental in 2026.1

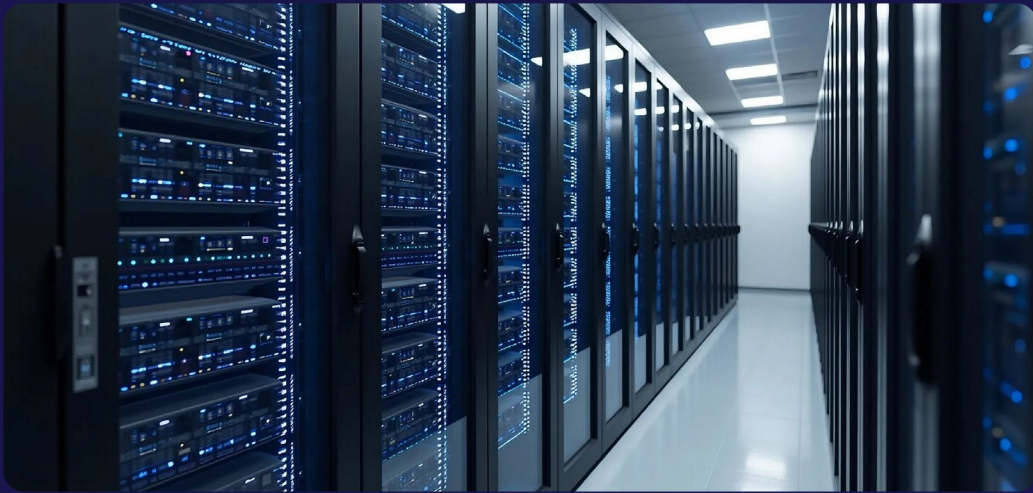
... and more are on the way



Online Database Encryption

Enables database encryption or re-encryption while IRIS is running

No downtime required!



Remote Namespaces

ECP client inherits the full set of database mappings for a namespace from the ECP server

Automatically keeps namespace mappings in-sync between the client and server

ECP Server



ECP Client



Request mappings

Send mapping details

Release Updates



Planned Release Calendar 2026 & 2027



● Extended Maintenance (EM) ● CD (Feature) ● Maintenance Release (MR)

2026.x Releases	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb
2026.1 (EM)	2026.1.0				2026.1.4			2026.1.5				2026.1.6
2026.2 (CD)					2026.2.0							
2026.3 (CD)									2026.3.0			

2027.x Releases	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb
2027.1 (EM)	2027.1.0	2027.1.1	2027.1.2	2027.1.3	2027.1.4			2027.1.5				2027.1.6
2027.2 (CD)					2027.2.0	2027.2.1	2027.2.2	2027.2.3				
2027.3 (CD)									2027.3.0	2027.3.1	2027.3.2	2027.3.3

Supported Platforms Update



NEW



REMOVED





Caché and Ensemble End of Maintenance

The **final** maintenance release for Caché 2018.1 will be released **Q1 2027**



Deadline Ahead

InterSystems IRIS Managed Service – Overview



How InterSystems operates and supports InterSystems IRIS Managed Service in the cloud.

CORE VALUE PROPOSITION

Managed operations

One accountable, fully managed cloud service for InterSystems IRIS®: provisioning, operations, and maintenance are handled by InterSystems.

Lower operational burden

Reduces cloud complexity and risk, while minimizing the need for specialized in-house resources to operate, maintain, and upgrade the environment.

Faster application delivery

Accelerates development of data-intensive apps with integrated platform tools that reduce the need to stitch together multiple technologies.

Enterprise-grade resilience

Delivers high availability, security, performance, and zero-downtime capabilities for cloud deployments.

Always-on support model

Includes monitoring, backups, disaster recovery, software and OS updates, and 24/7 support from InterSystems.

Speed to value

Fast deployment via the InterSystems Cloud Services Portal enables teams to get started quickly and stay focused on core business innovation.

BOTTOM LINE

InterSystems IRIS Managed Service gives customers a managed, secure, resilient cloud platform so internal teams can spend less time operating infrastructure and more time driving business outcomes.



Experiences

Data Platforms Roadmap

Renew the InterSystems System Management Portal User Experience starting with Interoperability

Key Motivators



Modernize and make it easier for customers and partners to work with InterSystems products

We (and our customers) have identified user-experience **security concerns** that must be addressed

Modern browsers are planning to **stop support for synchronous calls**, making it difficult for us to continue to support Zen

Interoperability UX Re-Design Project



Build & Configure

Interface Components, Data Transformations, Business Processes, Routing Rules, Schemas, Record Maps, Lookup Tables

Monitor & Troubleshoot

Message Viewer & Search, Visual Trace, Production Monitor, Alert Configuration, Event & Rule Logs, System Monitor

Workflow Driven Development

Manage & Maintain

Version & Source Control, Production Documentation, System Administration, Data Purging/Retention, Credential Management, API & Security Management

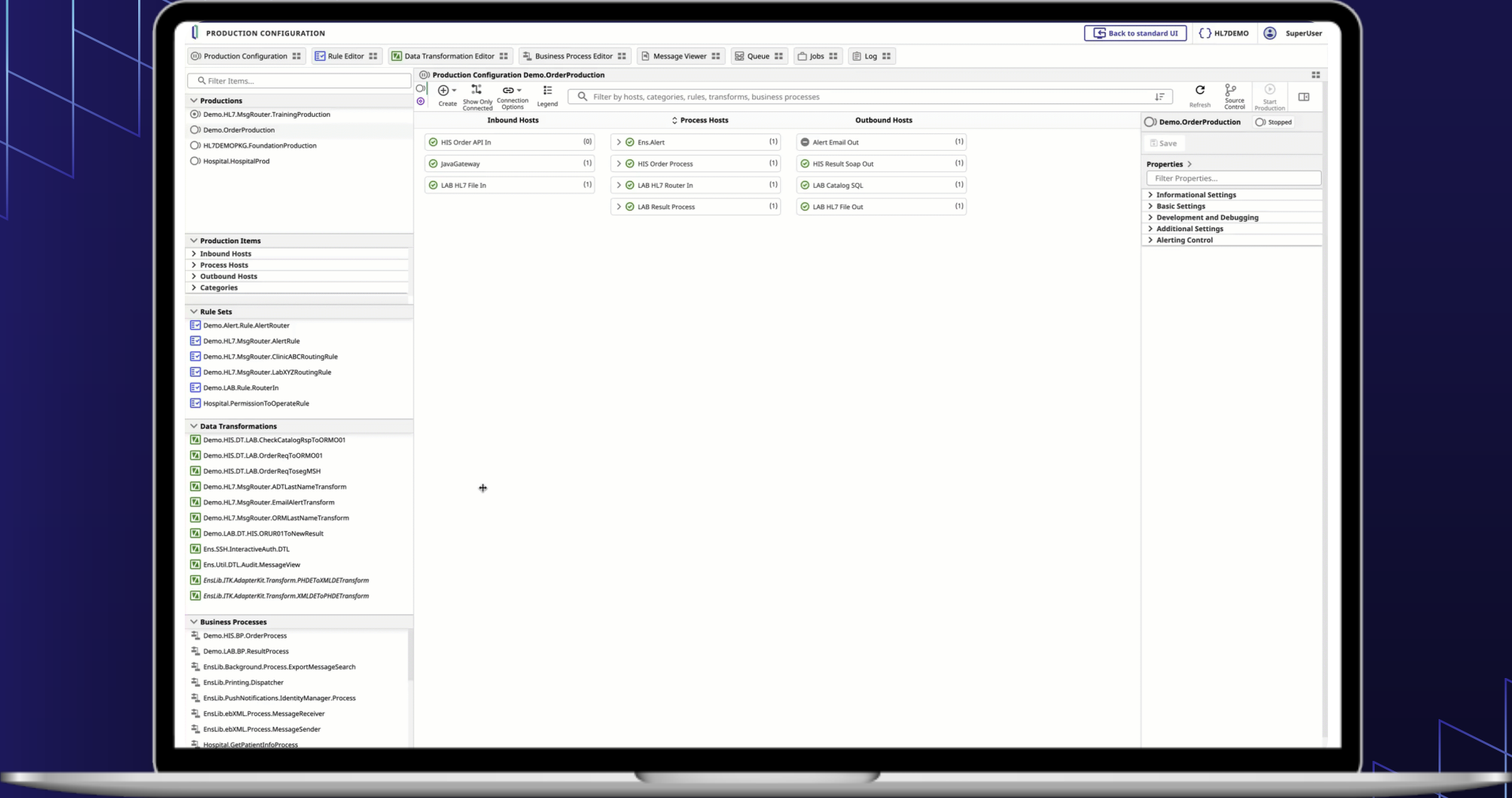
Scale & Expand

Enterprise Message Store, Data Validation, Workflow Automation, Interface Templates, Advanced Adapter Management (pub/sub), Third-party/System integrations



BEFORE:
Screen navigation
to find reference
DTL in **7 clicks**

AFTER: Screen navigation to find reference DTL in 1 click



Dashboards Plus



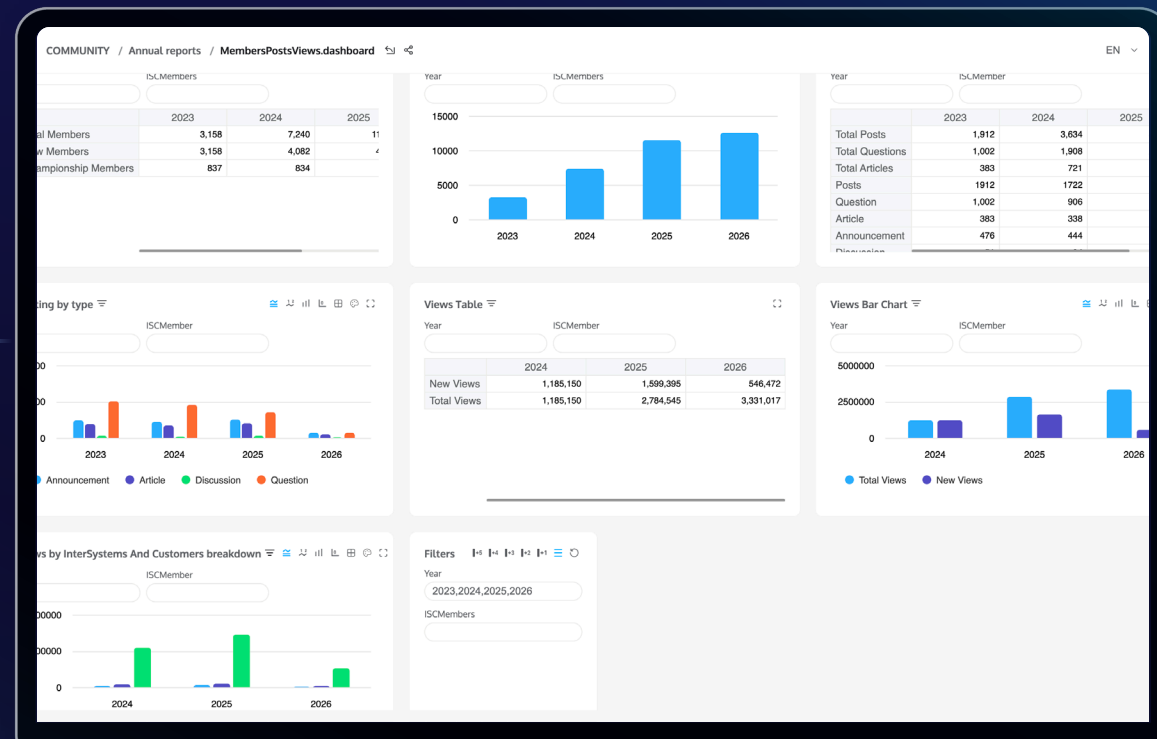
**Add-on to InterSystems IRIS
BI using existing framework
and existing dashboards**



**Designed for dashboard-only
users to view, build and
modify dashboards**



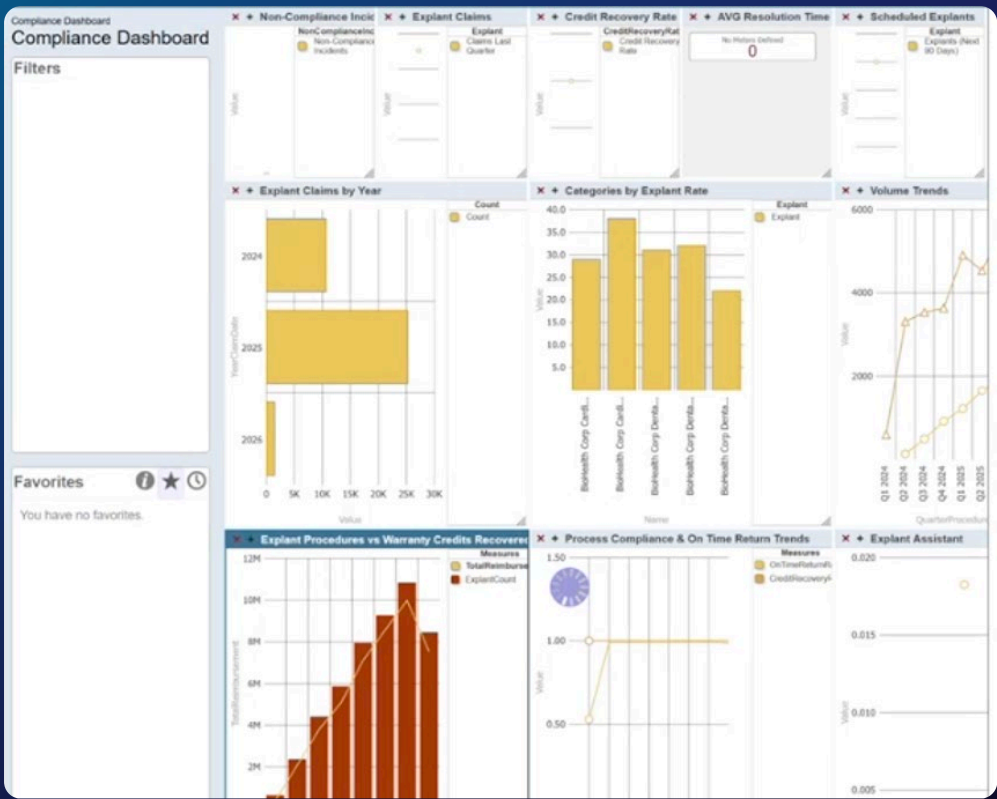
Sign up for Early Access!



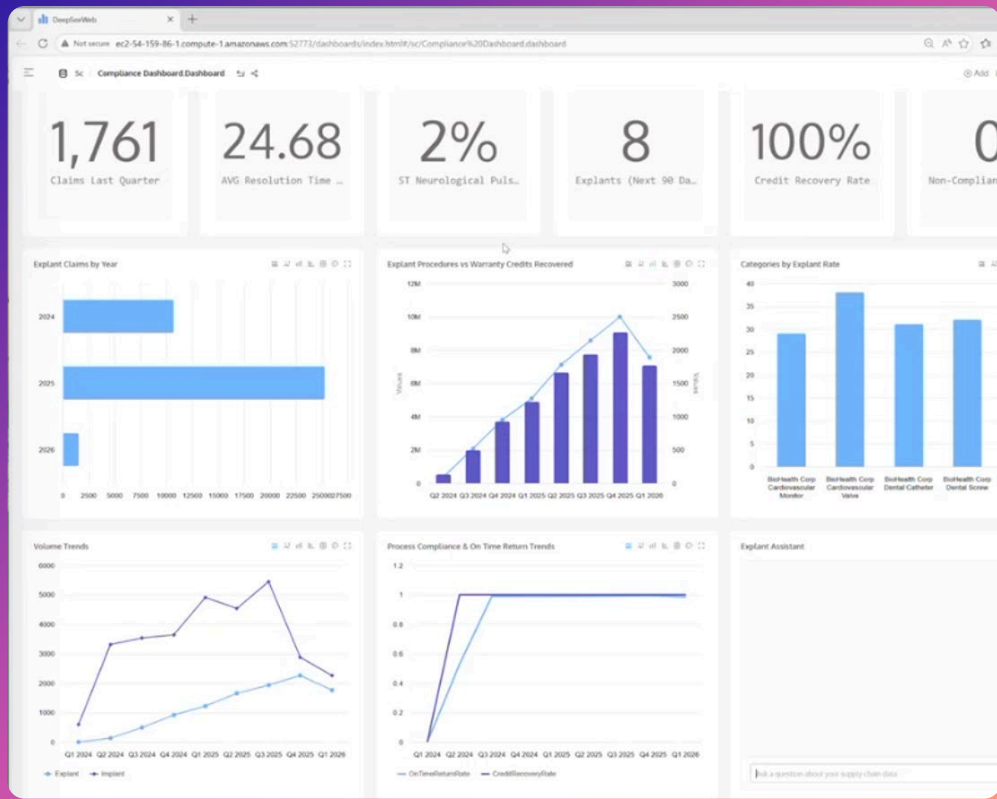
Dashboards Plus



Before



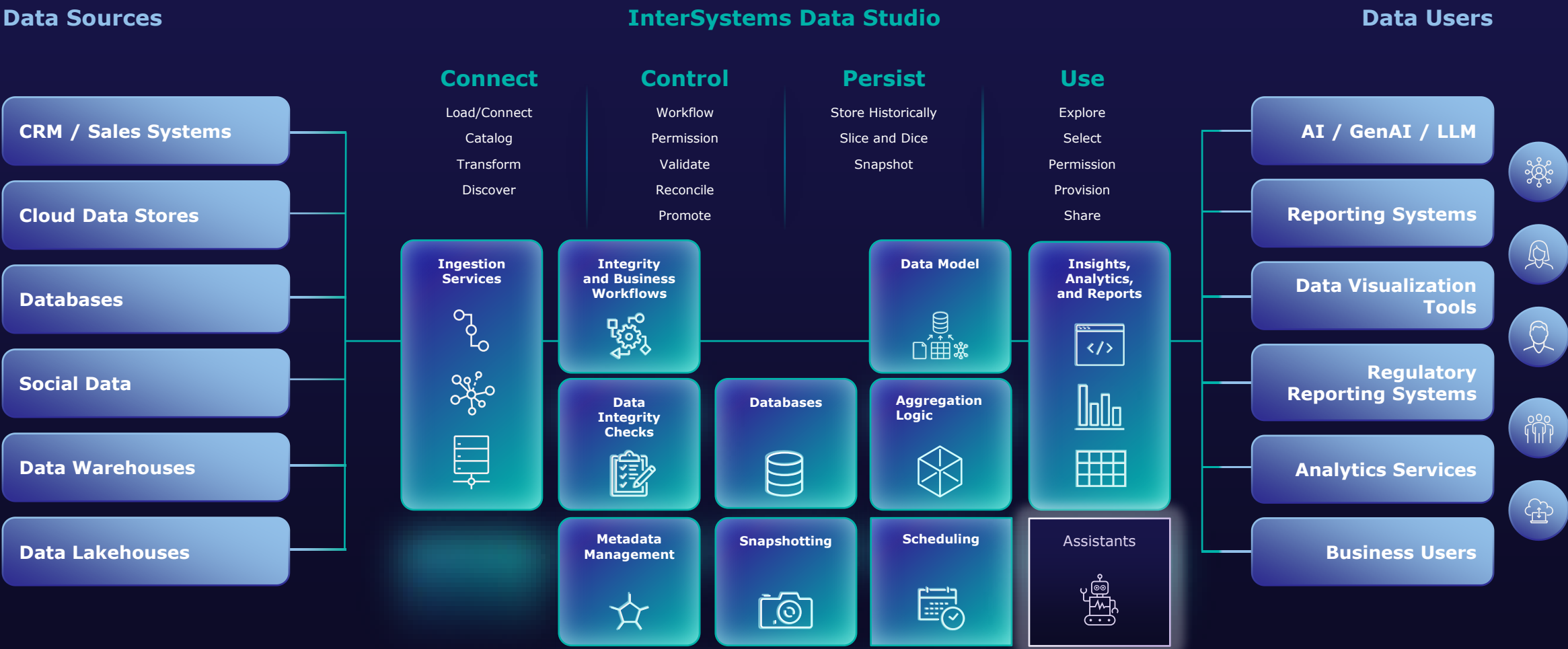
After



InterSystems Data Studio (IDS)



Delivering **Self-Service** Data Management to all Data Consumers



InterSystems Data Studio AI Assistant



Conversational Interface to Structured and Unstructured Data





InterSystems Data Studio AI Assistant



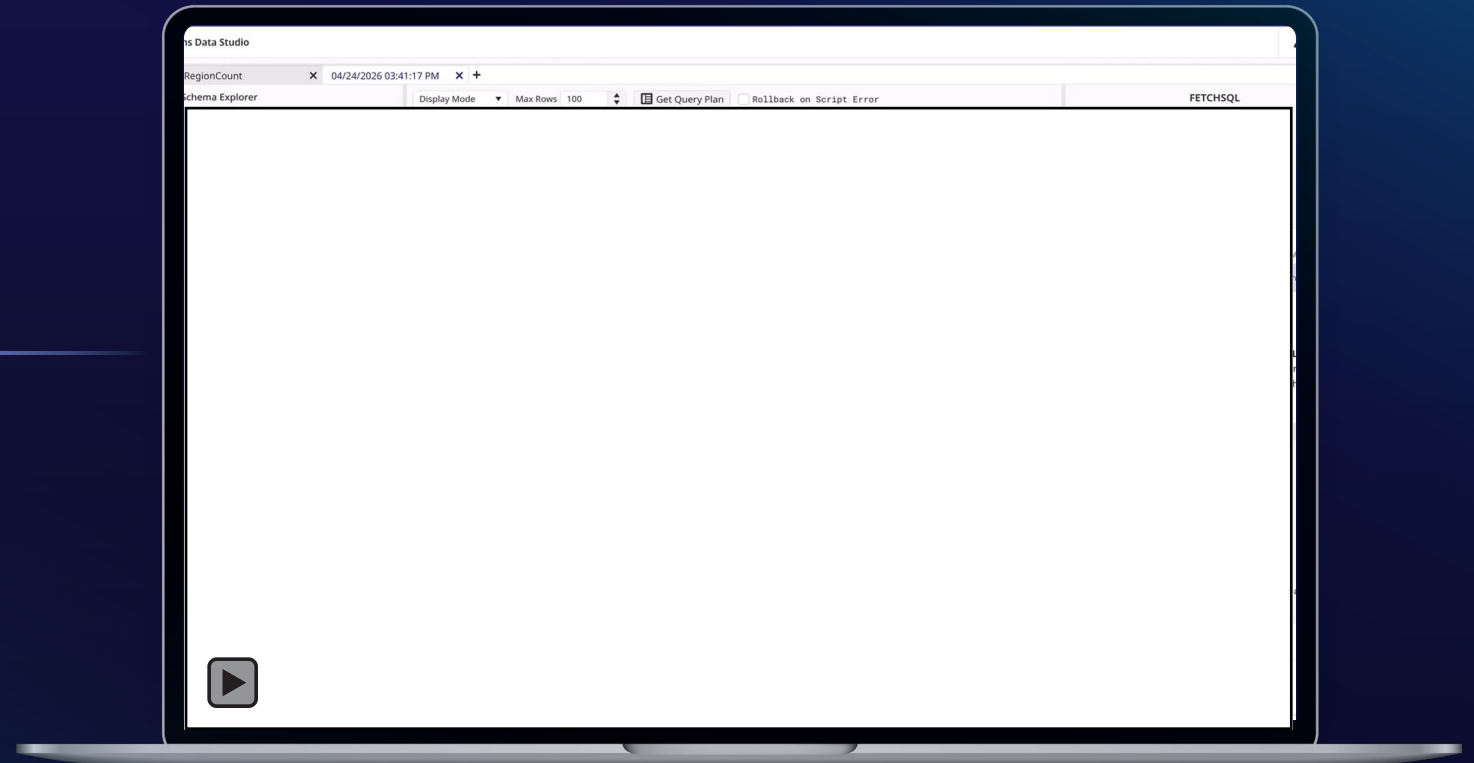
Conversational Interface to Structured and Unstructured Data

Data Studio helps business users harness data through an intuitive GUI for defining recipes to load, validate, transform and reconcile enterprise data.

The AI Assistant adds a conversational interface to interact with that data using natural language

Uses IDS catalog to build SQL queries based on user question

Searches pdf and other document types using RAG pattern



Recent and Upcoming: Vertical Solutions



Healthcare

AI and agentic Innovation

- DTL Explainer (new in 2026.1)
- Agentic integration Builder (in EAP)

FHIR Server

- Scalability (2026 releases)

Healthcare Interoperability User Experiences (2025.1+)

Financial Service

Additional Financial Services connectors in IDS (2026+)

Configuration Management - import/export (new in 2026)

Static and Dynamic Data Masking (2026+)

AI Assistants (2026+)

- Customized Assistant
- Research Assistant
- SQL Assistant

Supply Chain

Supply Chain Orchestrator

- Track and Trace Service (GA in 2025)
- Data Model and KPI enhancements

Data Studio with supply chain module (GA in 2025)

- Application connectors (roadmap)

AI Assistants (roadmap)

- AI Assistants available to both SCO and Data Studio customers



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Confidence

IN THE AGE OF



✓ **Better** security

✓ **Ongoing** AI development

✓ **Updates** for health and non-health products



Thank You