

Solution Profile

Hitachi EverFlex AI Data Hub as a Service

Seamless Data Integration for Smarter AI

Enhance data operations and speed AI innovation while reducing cost and complexity of your distributed data landscape.

Overcome AI Data Challenges

Every day, enterprises face challenges with efficient, timely and secure AI data management, delaying their AI application development. The collaboration between Zetaris and Hitachi Vantara addresses these challenges by providing a modern data lakehouse for AI with integrated AI data hub workbench capabilities.

This solution enhances data operations, enabling organizations to leverage AI as a business advantage. Unlike legacy data warehouses and traditional data virtualization tools, Hitachi EverFlex AI Data Hub as a Service (EverFlex AI DHaaS) delivers true data virtualization at scale. It supports extreme automation, intelligent query optimization, pretrained and custom AI models, and it has proven success with leading organizations.

This collaborative solution empowers organizations to meet their data where it is, accelerating AI innovation and experimentation, delivering real-time insights, and significantly reducing the cost and complexity of managing today's distributed data landscape.

Leverage a Modern AI Lakehouse

EverFlex AI Data Hub as a Service offers a modern lakehouse for AI with integrated data hub workbench features. These elements are packaged into a single converged platform for all your AI, BI and data needs, delivered as a service.

The solution accelerates data and insights, driving AI initiatives from experiments to outcomes, and allows for governed, unified access to all your data, securely and at scale. It streamlines batch and real-time data integration, preparation and deployment for AI and BI applications. The solution also incorporates a no-code approach with AI chatbots and conversational data access, powers autonomous capabilities with agentic AI and fast-tracks business value with prebuilt industry models.



Use Cases for EverFlex AI Data Hub as a Service

- Modernizing data infrastructure for AI
- Real-time customer insights
- Anomaly detection and real-time monitoring
- IT operations
- Predictive maintenance
- Risk management and compliance
- Supply chain optimization
- Healthcare innovation
- Financial and operational reporting
- Legacy-to-cloud migration

Key Features and Capabilities

- **Flexible cloud experience:**
Provides on-premises infrastructure and Hitachi EverFlex with Cisco powered hybrid-cloud-based infrastructure, all delivered as a service that integrates AI, BI and data services.
- **Access data anywhere:**
Allows seamless access to any source (cloud, on-premises, streaming, structured and unstructured) without data movement or vendor lock-in.
- **Virtual data lakehouse:**
Federates queries across heterogeneous data sources (cloud, database, API) to create a modern data lakehouse.
- **Unified business semantic layer:**
Automates the creation of a business semantic layer, abstracting underlying complexities.
- **Real-time and batch processing:**
Supports real-time and batch data processing for quick, actionable insights from enterprise data sources.
- **AI-powered query generation:**
Automates the data life cycle with AI, enabling real-time data for AI and BI.
- **Conversational data access:**
Allows business users to interact with data using natural language queries and voice commands.
- **Pretrained and custom AI models:**
Provide access to open-source LLMs, commercial AI API endpoints, and fine-tuned AI models for private AI development.
- **Built-in data quality engine:**
Ensures high-quality data for AI and BI applications.
- **Data Governance and Security:**
Integrates data into a governed single pane of glass for end-to-end visibility, ethics and compliance.
- **Hybrid and Multicloud Support:**
Provides unified access to data across edge, cloud [Amazon Web Services® (AWS®), Microsoft® Azure®, Google Cloud Platform®] and data center environments.
- **Prebuilt Industry Apps and Data Models:**
Offers prebuilt industry-specific applications and data models for accelerated AI and BI insights.
- **Cost Optimization:**
Utilizes existing compute and storage capacity for fast experimentation, reducing TCO.

Scalable AI Services

Hitachi EverFlex AI Data Hub as a Service provides real-time access to diverse enterprise data sets by delivering a modern lakehouse for AI. It offers advanced data virtualization and real-time analytics capabilities, supporting AI, BI and machine learning applications. Built on a flexible, consumption-based infrastructure, it scales effortlessly to meet evolving business needs.

For organizations pursuing high-performance AI at scale — such as foundation model training and HPC workloads — Hitachi IQ extends this capability with certified Nvidia® DGX™/ HGX™ systems, parallel GPU architectures, Infiniband™ and high-throughput storage foundations.

Together, EverFlex AI DHaaS and Hitachi IQ enable a hybrid strategy: Start your journey with rapid data readiness and targeted AI use cases, then seamlessly scale to compute-intensive initiatives as your AI maturity grows.

Hitachi EverFlex AI Data Hub as a Service

- Self Service UI and REST API
- Inference, RAG & Agentic AI
- Data Virtualization Engine
- Open Data Lakehouse
- Real-Time Query Engine
- Automated Data Pipeline

Data Insights

Modern Lakehouse

AI Workbench

Federated access to all your source data with smart query processing

Zetaris



Data Classification



Relationship Finder



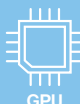
Data Lakehouse Builder

Infrastructure Layer

Lakehouse



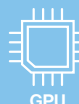
S3 SQL



GPU



VSP One Block



GPU



VSP One Object

VSP One Block = Hitachi Virtual Storage Platform One Block, VSP One Object = Hitachi Virtual Storage Platform One Object, S3 = Amazon S3, SQL = Structured Query Language

Notable Benefits

- **Accelerated time to market:**
Instant data integration and governance reduce latency, speeding up decision-making and insights for AI and BI projects.
- **Empowered business users:**
Self-service analytics and seamless tool integration enable efficient data access and analysis without relying on data teams.
- **Reduced data silos:**
A unified semantic layer consolidates data, eliminating silos and ensuring consistency with an open data lakehouse approach.
- **Lower cost:**
Consumption-based service optimizes infrastructure, fast-starts AI initiatives, and significantly reduces costs in data and AI operations.
- **AI accuracy:**
Real-time, governed, secure data access ensures AI completeness and accuracy.
- **Data governance and compliance:**
Centralized data control, built-in compliance support, and automated lineage tracking enhance governance.
- **Hybrid AI Infrastructure Path:**
Enables seamless progression from managed AI Data Hub as a service to incorporate high-performance Hitachi IQ infrastructure, supporting advanced workloads like foundation model training and HPC without disrupting existing operations.



About Hitachi Vantara

Hitachi Vantara is transforming the way data fuels innovation. A wholly owned subsidiary of Hitachi, Ltd., we're the data foundation the world's leading innovators rely on. Through data storage, infrastructure systems, cloud management and digital expertise, we build the foundation for sustainable business growth.

Contact Hitachi Vantara for more information.

Learn more →

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