



PRODUCT DATASHEET

AVEVA™ Data Hub

(formerly OSIsoft Cloud Services)

Use and share real-time operations data in the cloud

AVEVA Data Hub enables industrial organizations to aggregate operations data and relevant context; store historical, real-time and forecasted data streams and share data visualizations and insights with stakeholders both in and outside of the enterprise. A cloud-native platform-as-a-service, Data Hub is easily deployed from a web interface and scalable on-demand. Requiring no development or infrastructure, AVEVA Data Hub simplifies secure data sharing for greater operational insight and better, faster decision.

Key Features

- Optimized for industrial data
- Ready-to-use platform-as-a-service
- Scales on demand
- Protects critical operations
- Secured through proprietary software design and Microsoft Azure cloud infrastructure
- Integrated with PI System on-premises and at the edge

“AVEVA Data Hub allows us to share targeted operations data streams with our key external partners, while eliminating cybersecurity exposure.”

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Energy Customer,
IT Delivery Lead, Energy Provider

Overview

AVEVA Data Hub expands your ability to share real-time operations data with authorized users, applications and analysis tools in any location. Reduce the time, effort and resources it takes to collect, standardize and securely share critical operations data. Thanks to AVEVA Data Hub, real-time, contextualized operations data is more accessible than ever, giving users in and outside of the enterprise the information they need to drive meaningful change.

Key uses for AVEVA Data Hub

- **Collaboration and remote workers.** Make it easier to give authorized personnel secure access to real-time operations data. Use existing internet infrastructure to reduce the cost of accessing data from any device in any location.
- **Business intelligence and data science projects.** Get answers faster. Give analysts self-service access to consistent operations data and related contextual information. Let them make ad hoc queries with no impact to critical operations. Deliver formatted data directly to popular platforms like Microsoft Excel and Power BI.
- **Edge assets.** Reduce the risk, effort and cost of monitoring assets outside the primary control network. Pull real-time data from IIoT devices, sensors and legacy assets into your centralized data hub. Enable local or remote performance monitoring.
- **Industrial, data-driven services.** Enable new revenue streams. Share real-time operations data with technology partners and service providers to develop high-value offerings for industrial end-users.



Capabilities

Unique capabilities make it easy to share relevant, real-time data with trusted colleagues and partners.

Asset Definition

- Modern search techniques for easy data discovery
- Grouping of data streams by asset or asset type
- Fleet asset identification based on current status or type
- Metadata identification options such as equipment manufacturer or model number

Data Views

- Preconfigured tabular datasets to join stream data with metadata and tags
- Shaping function to align and format interpolated data
- Flexible REST APIs programmatically deliver data to any application or analysis tool

Metadata

- Metadata rule builder to define recurring metadata patterns
- Bulk handling for metadata creation and maintenance
- Automation to extract metadata from all existing and new data streams

Trending

- Key word search to quickly find relevant data streams, trends and asset properties
- Fast, automatic calculations for highlighted data ranges
- Shareable URLs for easy, web-based access to common workspaces

What's new

AVEVA Data Hub is the new name for OSIsoft Cloud Services (OCS), a cloud-native data hub offered as a fully managed service. AVEVA Data Hub is easily configured and scaled from a simple web browser and allows industrial companies to expand use of operations data to additional users, applications and tools.

Seamless integration with AVEVA solutions

AVEVA Data Hub serves as the foundation for strategic use of operations data and the basis of predictive analytics, smart manufacturing, digital twins and more. AVEVA Data Hub is natively integrated with PI System components on-premises and at the edge, to support a hybrid data architecture.

Available on the AVEVA Connect Platform

AVEVA Data Hub is available on-demand from the AVEVA Connect platform, which overcomes the challenge of organizational data silos and provides a shared environment for accessing industrial software solutions. Organizations can quickly and easily purchase AVEVA Data Hub using AVEVA Flex credits. The Flex program offers subscription-based solutions where users can view their consumption of AVEVA software, exercise greater control of budget allocation, and simplify the purchasing process.



Figure 1: AVEVA Data Hub trending lets you visualize performance over time.

Ready for a cloud-based operations data hub? [Click here.](#)

AVEVA

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