

IBM InfoSphere Advanced Data Preparation for business- ready data

Highlights

- Governed, self-service access for data users with high business context
 - Automate data preparation and visualization, no coding required
 - Share transformed data sets across your organization and BI tools
 - Complements IBM InfoSphere Information Server and more
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Maximize your business intelligence investment with automation and limitless scale

The demands on the enterprise are growing as competition in the digital economy has increasing needs to succeed. Agility, protection, self-service and automation must exist in the same data architecture in a way that serves all internal data consumers and external clients, bespoke to how they need it. Modern approaches to managing enterprise data are what today's enterprises need to drive business value.

DataOps resonates with those hoping to future-proof their data strategies. The main goal is to reduce operational friction, while keeping up with regulations and the demands of data citizens to predictably deliver trusted, business-ready data across an organization. DataOps can have a transformational impact. But enterprises must first acknowledge that to overcome data challenges, they need solutions that can drive continuous value from their data.

Start with one of the biggest opportunities for transformation: data preparation. Currently, preparing data for use in analytics and other upstream technologies is the most inefficient and time-consuming task for line-of-business (LOB) data citizens. They spend 80 percent of their time finding, cleaning and formatting information, instead of focusing on data analysis, modeling and deriving insights for business impact.

IBM InfoSphere Advanced Data Preparation enables the LOB to maximize investments in business intelligence (BI) and analytics tools. The solution provides self-service access,

transformation and automated cleaning of diverse data, while maintaining IT compliance standards. InfoSphere Advanced Data Preparation allows IT users to operationalize data transformation across the entire organization. They can control data access management, security, metadata management, lineage and resource consumption directly within the tool from an existing, governed data lake.

Key benefits

Establish self-service

Empower those with the greatest business context for their data to prepare data themselves, instead of limiting this work to technical resources. By making data preparation an intuitive, visual process instead of a coding exercise, InfoSphere Advanced Data Preparation enables more people within the organization to get data ready for use in BI and analytics tools.

Maximize investments in BI and analytics

Help users prepare any type of data, regardless of shape or size, so that new sources or combinations of data can be incorporated into their organization's BI and analytics efforts. Pair InfoSphere Advanced Data Preparation with IBM Watson Knowledge Catalog, IBM InfoSphere Information Server, or IBM Cloud Private for Data, and your organization can prepare for virtually any Big Data initiative. With these products at the base of your analytics foundation, your organization can build once, then reuse across many use cases.

Accelerate ROI

Increase your data preparation efficiency by up to 10 times compared to traditional methods like Excel or hand-coding. By utilizing the latest techniques in data visualization and machine learning, InfoSphere Advanced Data Preparation visibly surfaces data quality issues and guides users through the process of preparing their data.

Why IBM InfoSphere Advanced Data Preparation

Limitless scale

With the ability to support a growing number of modern processing frameworks, InfoSphere Advanced Data Preparation can scale to virtually any number of users and virtually any amount of data.

Deployment flexibility

Run InfoSphere Advanced Data Preparation where you want with support for deployment on premises or in private cloud environments, with no requirements to copy data or use a specific architecture.

Collaborative governance and operationalization

Set workflows defined in InfoSphere Advanced Data Preparation to run on a regular, repeated basis directly within the platform in collaboration with your organization's data engineering or IT teams. Monitors and alerts ensure that jobs complete according to quality and performance expectations.

Diverse import and publishing capabilities

Connect to virtually any application, database, file system or cloud platform and seamlessly incorporate that data into your data preparation workflow. Clean, well-prepared output data can be published in a variety of downstream systems for broader consumption.

IBM InfoSphere Advanced Data Preparation connectivity at a glance

Files supported	<ul style="list-style-type: none"> • CSV • JSON • Avro • Parquet • TXT • Excel formats xls, xlsx • Tableau data extract
Big Data	<ul style="list-style-type: none"> • Cloudera Hive • Cloudera HDFS • Databricks Spark SQL • DataStax Enterprise • Hortonworks Hive • Hortonworks HDFS • MongoDB • Databricks Spark SQL
Cloud platforms	<ul style="list-style-type: none"> • AWS Redshift • AWS S3 • Microsoft Azure ADLS • Microsoft Azure Storage Blob • Microsoft Azure SQL Database • Microsoft SQL Data Warehouse
Relational databases	<ul style="list-style-type: none"> • IBM DB2 • IBM DB2 or zOS • IBM Informix • Microsoft SQL Server • MySQL • Oracle Database • Pivotal Greenplum • PostgreSQL • Progress Open Edge • SAP Sybase • Teradata Data Warehouse
Applications	<ul style="list-style-type: none"> • FinancialForce • Force.com applications • Salesforce.com • Tableau server
Operating systems	<ul style="list-style-type: none"> • RedHat Linux 6 and 7
Deployment	Supports on-premise platforms including Cloudera, Hortonworks
Security	<ul style="list-style-type: none"> • Secure web application • SSO • SSL • Kerberos • Apache Sentry • Apache Ranger

Why IBM?

The quality and availability of your data can either enhance innovation or block your progress. That's where IBM comes in. As a leader in the data governance, quality and integration space, IBM Unified Governance and Integration can help you deliver trusted, business-ready data for insights and compliance.

AI at the core, open standards and comprehensive, scalable solutions—all backed by IBM expertise—are just a few of the reasons you should consider IBM data preparation solutions.

For more information

To learn more about IBM InfoSphere Advanced Data Preparation, contact your IBM representative or IBM Business Partner, or visit: ibm.com/infosphere-advanced-data-preparation

Additionally, IBM Global Financing provides numerous payment options to help you acquire the technology you need to grow your business. We provide full lifecycle management of IT products and services, from acquisition to disposition. For more information, visit: ibm.com/financing

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