

# Informatica Cloud Mass Ingestion

## Key Benefits

- Ingest change data capture onto cloud data warehouses
- Ingest streaming and IoT data onto a data lake or Kafka for real-time analytics
- Take advantage of flexible data ingestion options for files, databases, and streaming data

## Efficiently Ingest All Your Data With Scale and Automation

Digital transformation is fueled by data, which is the key to accelerating your business and gaining competitive advantage. To get started, you must quickly ingest large volumes of data from a variety of sources onto cloud or on-premises repositories for processing and reporting, or onto messaging hubs for real-time analytics.

## Key Features

Informatica® supports all your data integration, application integration, API management, data quality, and data management initiatives with the next-generation Informatica Intelligent Cloud Services<sup>SM</sup> (IICS) iPaaS. Powered with the AI/ML-driven intelligence of the CLAIRE® engine and designed for cloud scalability with a microservices architecture, IICS provides critical cloud infrastructure services, including Cloud Mass Ingestion.

## Streaming Data Ingestion

Collect, transform, and enrich data from streaming and IoT endpoints and ingest it onto your cloud data repository or messaging hub. This streaming service supports data sources such as logs, clickstream, social media, Kafka, JMS, and MQTT.

You can ingest the streaming data onto Amazon S3 and Kinesis Data Firehose, Microsoft Azure Event Hubs, Kafka, Databricks Delta, Google Cloud Storage, Confluent Kafka, and Amazon MSK. Apply simple data transformation rules to ensure the data is ready for analytics. These rules allow you to combine multiple events into a single event, filter based on specific conditions, or separate the ingested data into different output groups.

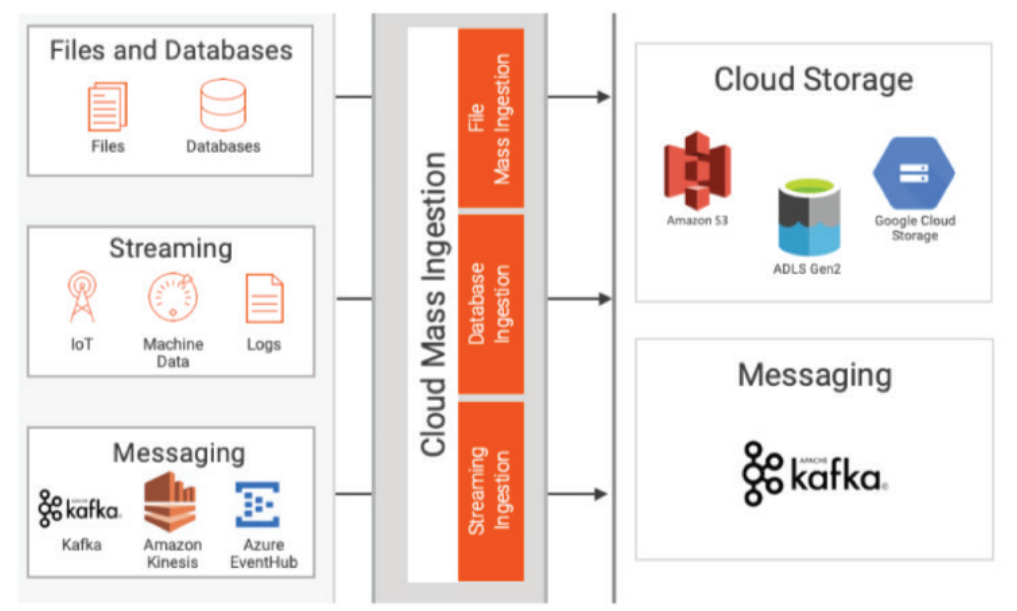


Figure 1: Informatica Cloud Mass Ingestion.

### File Ingestion

Easily transfer files of any size with scalability and high performance. Ingest data from file sources including Amazon S3, Microsoft Azure Blob, Microsoft Azure Data Lake Storage, Google Cloud Storage, HDFS, FTP, SFTP, and FTPS servers. Supported data targets in the cloud or on-premises include FTP, SFTP, and FTPS servers; Amazon S3; Microsoft Azure Blob and Microsoft Azure Data Lake Storage; Google Cloud Storage; and HDFS.

You can securely transfer your files using PGP encryption and scan them for viruses before they are loaded to your target. You can also compress files for greater transfer efficiency between the source and the target.

### Database Ingestion

Ingest data from relational databases such as Oracle, Microsoft SQL Server, MySQL, Teradata, DB2, and Postgres and move it onto Amazon S3, Kafka, Microsoft Azure Data Lake Storage, Microsoft Azure Synapse Analytics, Snowflake, or Google Cloud Storage, and address change data capture needs. Load operations options include initial load with a single-point-in-time ingestion; Oracle incremental load with a continuous propagation of changes; and Oracle initial and incremental load, which combines both options.

### Web-Based Data Ingestion Experience

A web-based interface lets you easily configure and deploy mass ingestion tasks, group similar tasks with tags, and organize them in folders. You can also define ingestion-task parameters, including source, target, transformation, and runtime options. And, you can drill down on specific tasks for details such as performance statistics and task-run history.

## About Informatica

Digital transformation changes expectations: better service, faster delivery, with less cost. Businesses must transform to stay relevant and data holds the answers.

As the world's leader in Enterprise Cloud Data Management, we're prepared to help you intelligently lead—in any sector, category, or niche. Informatica provides you with the foresight to become more agile, realize new growth opportunities, or create new inventions. With 100% focus on everything data, we offer the versatility needed to succeed.

We invite you to explore all that Informatica has to offer—and unleash the power of data to drive your next intelligent disruption.

## Real-Time Monitoring and Alerting

Monitor your mass ingestion tasks and view a list that includes task properties such as task type, runtime environment, start time, duration, and state. Also monitor all users' ingestion tasks in your organization and view summary counts and state, lists of all tasks, and recent tasks with errors or warnings.

## Key Benefits

### Gain Deeper Insights From Real-Time Analytics

Efficiently move streaming data, files, and databases onto cloud data lakes, messaging systems, or cloud data warehouses for deeper insights. Also ingest all critical new business data such as logs, clickstream, and IoT data onto Kafka for real-time analytics.

### Synchronize Data With Cloud Data Warehouses and Cloud Data Lakes

Modernize your data warehouses by transferring data from multiple databases—including on-premises databases—to cloud data warehouses or cloud data lakes. After an initial batch load of data to the data warehouse, Cloud Mass Ingestion propagates changes continuously from a source database to keep your data up to date.

### Leverage a Single Efficient Ingestion Solution for All Your Ingestion Needs

Get a unified mass ingestion solution to support all data ingestion patterns—including file, databases, and streaming—with flexible support for a variety of sources and targets, as well as data transformations. Create and deploy mass ingestion tasks and monitor the runtime environment from a single administrative dashboard to easily respond to warnings and potential bottlenecks.

## Learn More

Visit the [Cloud Mass Ingestion](#) web page for more details and links to additional resources. Also check out [Informatica Intelligent Cloud Services](#) to learn more about IICS.

Register for a free [30-day trial](#) to try Cloud Mass Ingestion in your environment.



**Worldwide Headquarters** 2100 Seaport Blvd., Redwood City, CA 94063, USA Phone: 650.385.5000, Toll-free in the US: 1.800.653.3871

IN06\_0121\_03716

© Copyright Informatica LLC 2021. Informatica, the Informatica logo, Informatica Intelligent Cloud Services, and CLAIRE are trademarks or registered trademarks of Informatica LLC in the United States and other countries. A current list of Informatica trademarks is available on the web at <https://www.informatica.com/trademarks.html>. Other company and product names may be trade names or trademarks of their respective owners. The information in this documentation is subject to change without notice and provided "AS IS" without warranty of any kind, express or implied.