Cheat sheet

Infor OS Data Fabric

Key concepts and definitions

Data Fabric	Infor's comprehensive, cloud-native data management and processing platform
Data Lake	Infor's central big data storage repository leveraging object storage architecture to provide long-term persistence of data in its raw, original format
Data Object	Data Lake data is stored as data objects. Data objects are formed from the sent raw data and the data object properties
Atlas	Data Object Explorer UI experience for viewing and managing data lake objects
Compass	A suite of tools that provide data consumers with interfaces for connecting to and processing ANSI SQL queries against data objects stored within the Data Lake. Supported object formats: NDJSON & DSV (CSV, TSV, PSV, or user-defined)
Data Lake Flow	A sequence of activities orchestrated by ION that results in sending and/or retrieving Data Lake data
Data Catalog	The Data Catalog stores metadata about data objects that are used within the organization
Data Loader	An application that facilitates the one-time loading of multiple database tables at once directly to Data Lake
Metadata Crawler	A wizard that facilitates generating object metadata for tables, views, and materialized views stored in a database
Data Egress	The outbound transmission of data that traverses Infor's cloud boundary on request of a user, client, application or system
Data Ledger	Reconciliation tool that aids data administrators in identifying alignments or potential disparities between applications sending data to Data Lake and the Data Lake itself
Metagraph	Free-form modeling tool used to describe relationships of data objects stored in Data Lake
Streaming Pipelines	A feature of Infor's Data Fabric platform that allows users to easily define, deploy, and operate push-based data pipelines that transfer data to a customer's managed relational database system
Archiving	To defray costs associated with database storage, Infor CloudSuites can elect to lift & shift transactional data to Data Lake to archive them. Data objects consigned to this zone are afforded additional protections to prevent accidental removal.

Components

Application	The Data Fabric application allows you to view, manage, and query your data objects that are stored in Data Lake The Data Lake menu includes these menu options: Atlas, Compass, Data Ledger, Purge, Pipelines, Metagraph and Utilities	
API Suite	• v1 Data Lake ingestion • v2 Compass query platform • v1 Streaming ingestion	• v2 Data Lake storage, ingestion, and data management services • v1 Metagraph management services
Homepage widgets	Data Lake Ingestion by object Data Lake Ingestion over time	Data Lake Storage Overview (see also: Usage reports) Atlas Upload
Compass JDBC driver	The Compass JDBC driver can be used to query Data Lake data through a local SQL query tool	

Data Lake Variation Handling Function

Default Query (For example,Select * from…)	infor.include('*<tableName>*', 'ACTIVE', 'HighestVariation')
Infor.IncludeDeleted	infor.include('*<tableName>*', 'ACTIVE, DELETED', 'HighestVariation')
Infor.AllVariations	infor.include('*<tableName>*', 'ACTIVE, DELETED', 'AllVariations')
infor.AllVariationsIncludeArchived()	infor.include('*<tableName>*', 'ACTIVE, DELETED, ARCHIVED','AllVariations')
IncludeArchivedAndDeleted	infor.include('*<tableName>*', 'ACTIVE, DELETED, ARCHIVED','HighestVariation')
Infor.ShowAllArchived	infor.include('*<tableName>*', 'ARCHIVED', 'AllVariations')
Infor.ShowArchived	infor.include('*<tableName>*', 'ARCHIVED', 'HighestVariation')

infor

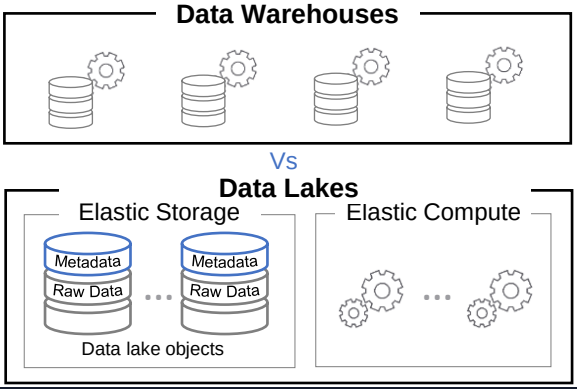
Infor OS Data Fabric Components

Storage	Management	Movement	Metadata
Data Lake & Lakehouse*	Atlas, Compass, Ledger, Purge, Archive, Security	Ingestion, Compass, Pipelines	Data Catalog & Metagraph

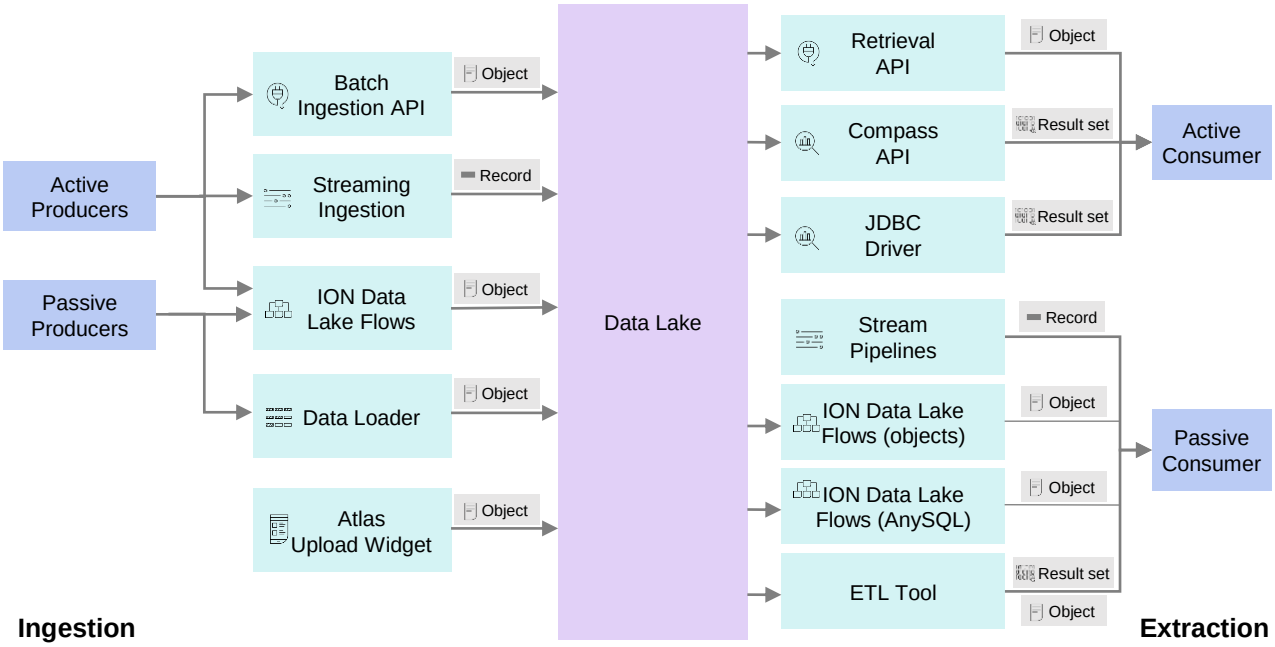
Use Cases and Considerations

- Reporting and analytics.
- Performant query access.
- Modeled by domain or subject area.
- Able to handle high-query volumes and concurrent users.
- Store structured data only with pre-defined schemas (schema-on-write).

- Stores all data formats immutably (data stored as-is, even corrupt data).
- Stores all versions of data for historic tracking.
- Data available for discovery, data science, machine learning, etc.
- Store structured, semi-structured and unstructured data (schema-on-read).



Data Fabric Producers and Customers



Resources

Product Overview | YouTube | Documentation | Education | Dev Portal | User Community