Collecting Data

Easily ingest any type of data.

Data Sources

PHEMI Central can ingest virtually any kind of data, so organizations can consolidate their data and eliminate silos. Data sources can include any data type from small kilobyte messages to large terabyte files:

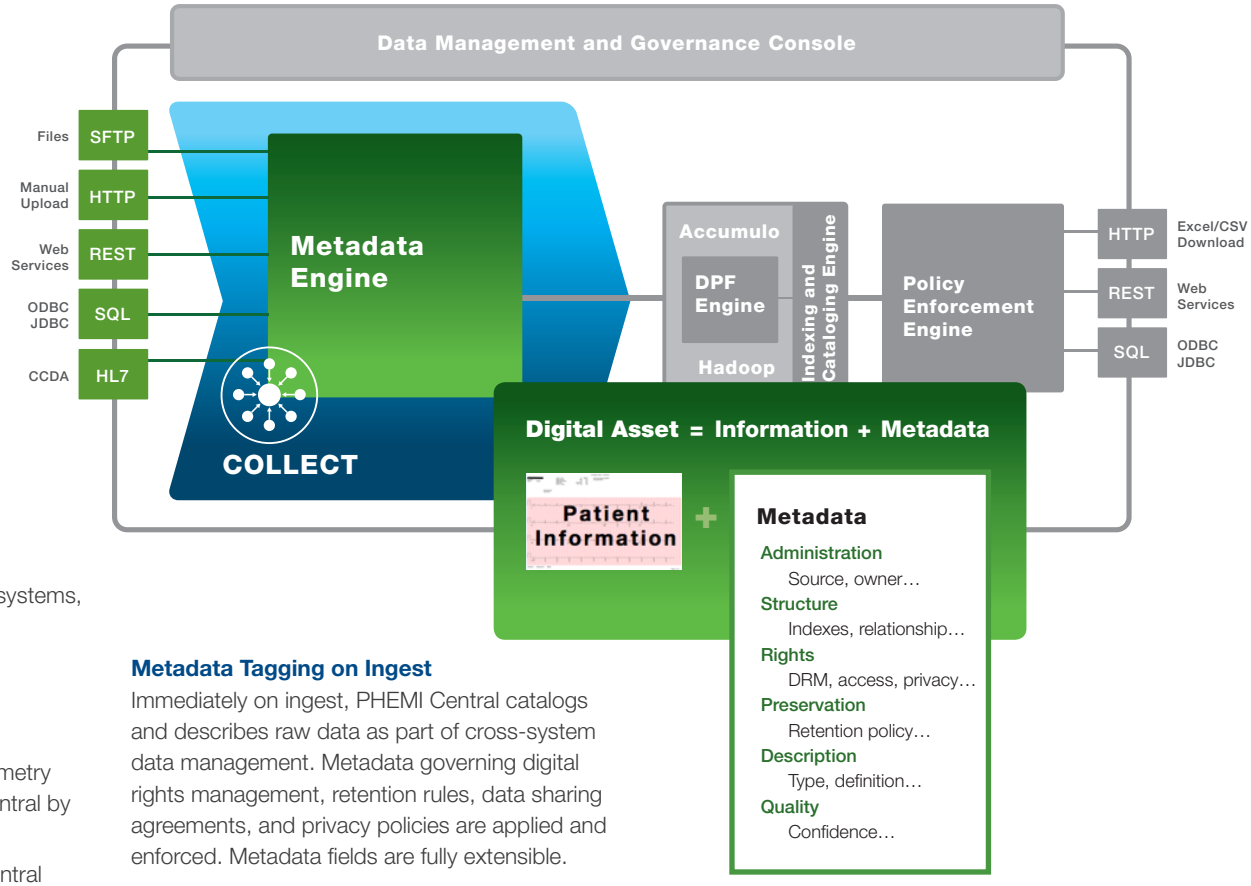
- **Database Records** — Data extracted from information systems, databases, etc.
- **Structured Non-Relational Data** — Spreadsheets, GIS datasets, genomics, machine data, XML, JSON, HL7, etc.
- **Semi-structured** — ECGs, tabular documents, etc.
- **Unstructured files & datasets** — Images, consult letters, reports, emails, customer feedback, social media, etc.

Because PHEMI Central does not impose a schema on source systems, the ingest process is faster, less complex and less brittle.

Data Import

PHEMI Central can import data in a variety of ways:

- **Streaming** — Machine-to-machine data sources, such as telemetry and hospital bedside monitors, can stream data to PHEMI Central by means of the PHEMI REST interface.
- **Push** — Data sources and ETL tools can publish to PHEMI Central using either JDBC or the PHEMI REST interface.
- **Pull** — Custom connectors based on PHEMI's REST interface can be developed to allow PHEMI Central to fetch source data from sources.
- **Manual** — Files can be manually uploaded to PHEMI Central from a standard browser window.
- **Store by Reference and Action** — PHEMI Central can reference remote data or a remote dataset through a URL, stored procedure, SQL query, external table, or REST API. Applications can also be stored and executed, causing external tables or external data to be accessed and pre-processed. Store by Reference and Store by Action operations are ideal for collaboration projects between organizations or when accessing third-party datasets where data sharing agreements restrict data from being replicated.



Metadata Tagging on Ingest

Immediately on ingest, PHEMI Central catalogs and describes raw data as part of cross-system data management. Metadata governing digital rights management, retention rules, data sharing agreements, and privacy policies are applied and enforced. Metadata fields are fully extensible.

Powerful metadata tagging features convert your data into digital assets, making governance and privacy rules easy to apply and enforce across the entire system. Metadata fields are fully extensible.