+PHEMI

Consuming Data

Leverage your existing analytics tools and software to build innovative new applications.

PHEMI Central integrates with your existing infrastructure, applications, and analytics tools to let you immediately take advantage of the big data warehouse. Multiple users can concurrently interact with the system, accessing datasets via SQL, data exports, and using custom applications, breaking down the costly data silos spread throughout your organization. Because all digital assets are catalogued and indexed, consuming data is fast.

Dataset Access
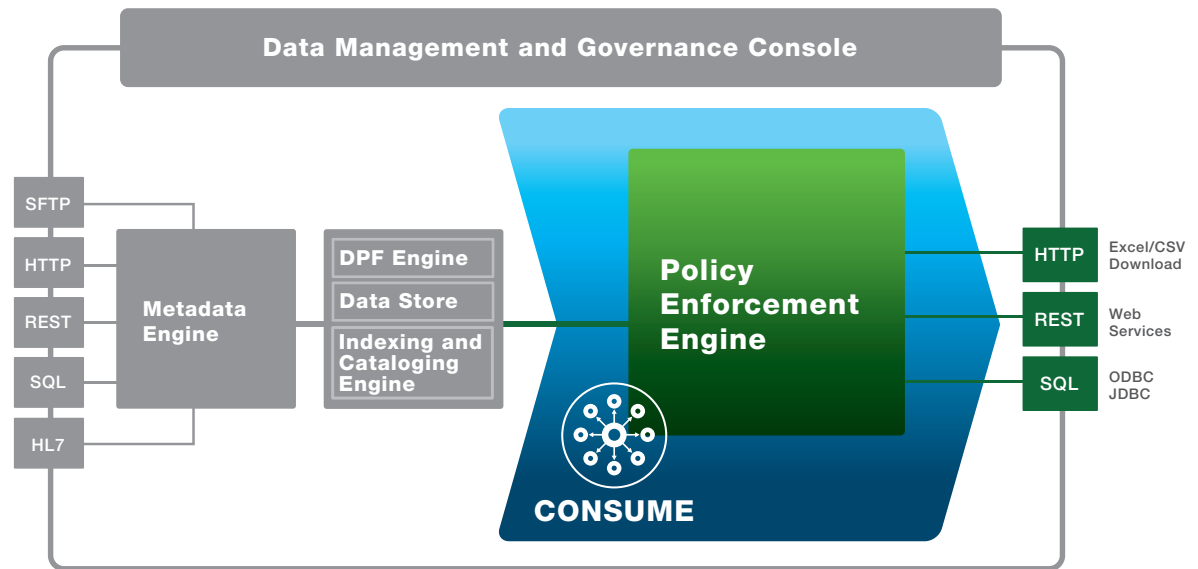Datasets can be accessed in a variety of ways:

- Export to a Microsoft Excel spreadsheet or Comma Separated Value (CSV) file
- Custom application via the PHEMI REST API
- Applications and analytics tools via ODBC/JDBC connectors
- SAP HANA via the SAP Smart Data Access connector

On Demand Datasets
Datasets are instantiated when information is needed, without having to predefine or navigate complex relational database schema. Datasets are logical mappings that define a subset of the cataloged digital assets in the system across a specified collection of data. They can be created, altered, and discarded, and, since they are virtual constructs, they eliminate any need for data marts. Datasets can show, de-identify or hide data based on attributes of the user and data sharing agreement policies.

Data Analysis
PHEMI Central supports standard tools, including R, SAP, SAS, SPSS, Stata, Tableau and more, to let organizations leverage their existing software.

Data Management and Governance Console

SFTP

HTTP

REST

SQL

HL7

Metadata Engine

DPF Engine
Data Store
Indexing and Cataloging Engine

Policy Enforcement Engine

CONSUME

HTTP — Excel/CSV Download

REST — Web Services

SQL — ODBC JDBC

SQL Support
SQL remains the primary method for analyzing and accessing data in many logical data warehouse architectures. PHEMI Central supports batch and interactive SQL queries.

Custom Applications
In-house developers, PHEMI developers, or third-party developers can develop custom applications using the PHEMI REST web services interface. The REST interface provides a rich set of statements that can access core system functionality, including flexible queries for data. REST queries, like all other queries are subject to the access controls enforcing information privacy, security and governance. Organizations can quickly trial innovative new applications, putting information in the hands of their users. This development agility means that applications that gain traction can be hardened and expanded while others are retired.

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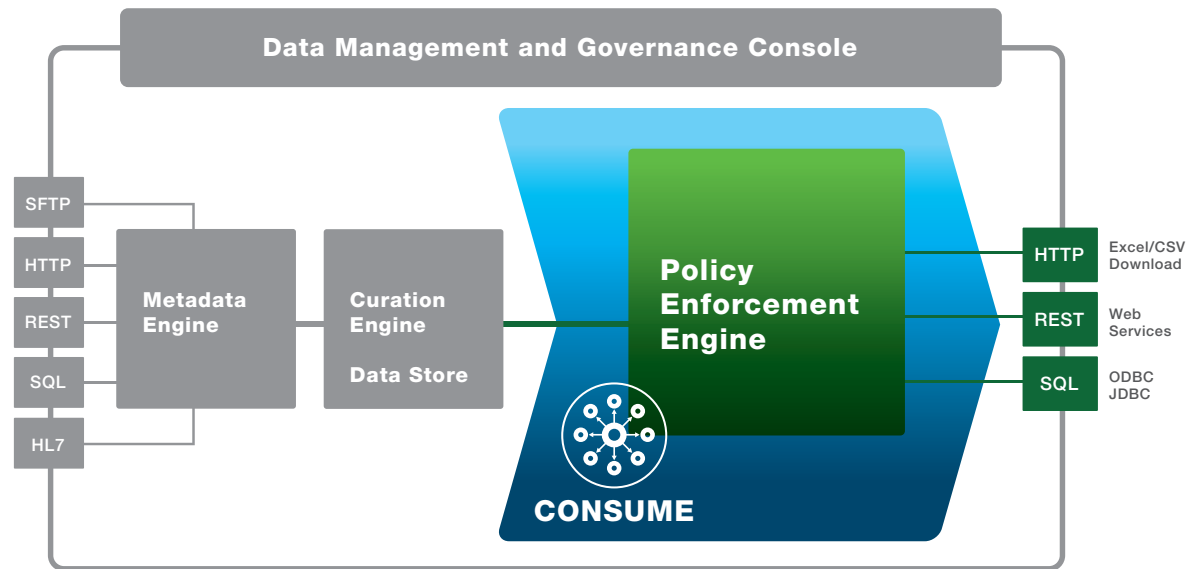Datasets can be accessed in a variety of ways:

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