

# Consuming Data

Build Innovative New Applications while Leveraging Your Existing Analytics Tools and Software

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.

## Dataset Access

Datasets can be accessed in a variety of ways:

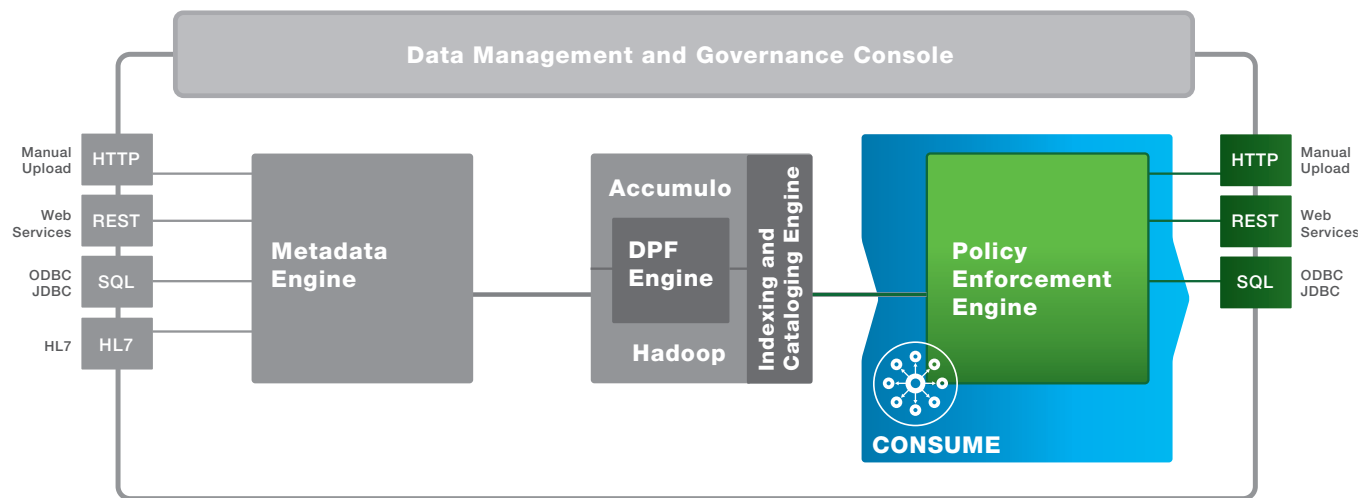
- Export to a Microsoft Excel spreadsheet or Comma Separated Value (CSV) file
- Custom application via the PHEMI REST API
- Applications and analytics tools via ODBC/JDBC connectors
- SAP HANA via the SAP Smart Data Access connector

## On Demand Datasets

Datasets are instantiated when information is needed, without having to predefine or navigate complex relational database schema. Data views 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.

## Data Analysis

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



## 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 and others retired.

PHEMI Central integrates with existing infrastructure, applications, and analytics tools to let you immediately take advantage of the big data warehouse.

## Consuming Data continued

NEED COPY TO GO WITH:  
to tell story or use case  
of “building a new dataset”

note: we can’t go smaller with the  
screenshot without sacrificing the  
legibility of the type;  
however, we do have a good amount  
of space here for the copy, if we can  
dedicate this entire page to the “build  
new dataset” story.

### Build New Dataset

Name: Cardiology Outcomes Dataset

Description: Dataset that underlies Cardiology Outcomes reporting

Export Target: CSV

Access Policy: Everyone can see everything

Status: Available

Available To: banalyst (Business Analyst)

Expires: 2015-12-31

#### Dataset Contents

Cardiology (0) Test (3)

Asset	test_simple_ingest	test_xl
<input checked="" type="checkbox"/> com.phemi.wb.PatientHistory.phn	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> com.phemi.wb.PatientHistory.weight	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> com.phemi.wb.PatientHistory.dob	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> com.phemi.wb.Diagnosis.phn	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> com.phemi.wb.Diagnosis.diabetes	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> com.phemi.wb.Diagnosis.chads2	<input type="checkbox"/>	<input type="checkbox"/>

#### Export Preview

PatientHistory (3)

Asset	Destination Name	Destination Type
com.phemi.wb.PatientHistory.phn	phn	STRING
com.phemi.wb.PatientHistory.weigh	weight	DOUBLE
com.phemi.wb.PatientHistory.dob	dob	DATE