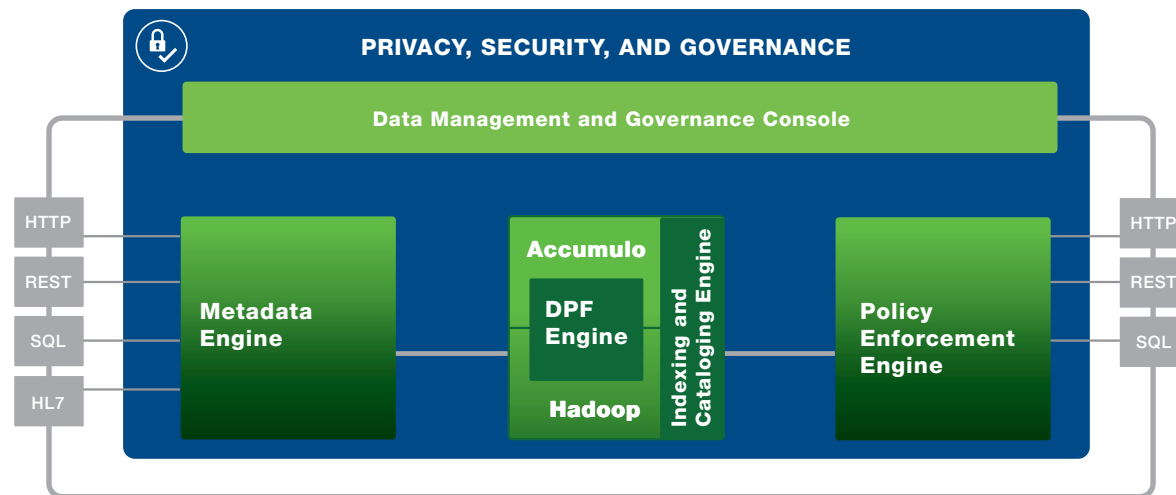**PHEMI**

Privacy, Security, and Governance

Protect sensitive information at scale.

Information governance is about controlling an organization's data. The data may be sensitive, or perhaps it is important that the data be absolutely accurate, or perhaps the organization must achieve legislative and compliance targets. Data governance includes the process and policies around the protection, curation, and access to data. Data governance encompasses all of privacy protection, data security, and data audit. PHEMI Central helps organizations achieve compliance objectives by providing an industry-pioneering set of capabilities to manage the privacy, security, and governance of data. These capabilities are fully configurable and are automatically enforced throughout the data lifecycle.

PRIVACY, SECURITY, AND GOVERNANCE

Data Management and Governance Console

HTTP
REST
SQL
HL7

Metadata Engine

Accumulo

DPF Engine

Hadoop

Indexing and Cataloging Engine

Policy Enforcement Engine

HTTP
REST
SQL

Privacy is Built Right Into PHEMI Central

Privacy by Design Principles

Proactive, not reactive

Privacy as default setting

Privacy embedded in design

Full functionality—positive sum, not zero sum

End-to-end security—full life-cycle protection

Visibility and transparency—keep it open

Respect for user privacy—keep it user-centric

PHEMI Central Implementation

Metadata enables policies to define data access

Assets are immutable. Policies required to access data

Metadata and computational access are the core of the system

Data governance policies enable data use/analysis and do not create restrictions

Digital assets self-specify how they are managed and handled

Metadata and auditing provide accountability

Data steward defines and sets policies on use

PHEMI Design Innovation

Data firewalls protect data internally, not just externally

Rely on automated operational policies, instead of manual processes

Proper management and control enables positive use of private data

Privacy by Design

Traditional privacy, security and governance approaches are fragmented, relying on application developers to implement ad-hoc security mechanisms. PHEMI Central takes a different approach, designed from the ground up to incorporate an innovative Privacy by Design framework to define, manage, and enforce data sharing agreements and privacy policies across an entire organization.

Because privacy, security, and governance features are one coordinated design across the system, you don't have to rely on a cobbled-together solution of security mechanisms to protect your organization's sensitive data.

PbD

Using *Privacy by Design* to Achieve Big Data Innovation Without Compromising Privacy