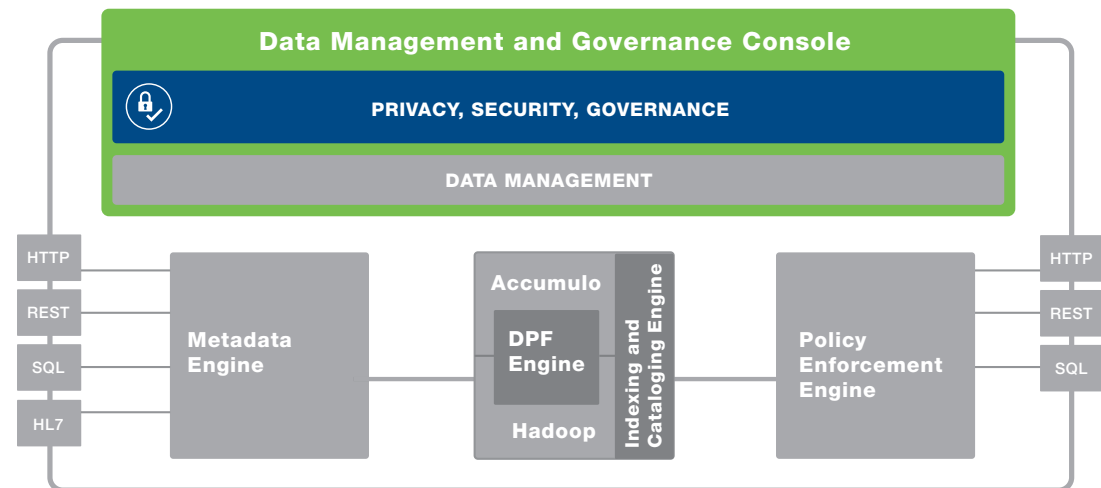


# Privacy, Security, and Governance

## 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 is Built Right Into PHEMI Central Design

| Privacy by Design Principles                    | PHEMI Central Implementation   | PHEMI Design Innovation   |
|---|--|---|
| Proactive, not reactive                         | Metadata enables policies to define data access                                  | <b>Data firewalls protect data internally, not just externally</b><br><br><b>Rely on automated operational policies, instead of manual processes</b><br><br><b>Proper management and control enables positive use of private data</b> |
| Privacy as default setting                      | Assets are immutable. Policies required to access data                           |   |
| Privacy embedded in design                      | Metadata and computational access are the core of the system                     |   |
| Full functionality — positive sum, not zero sum | Data governance policies enable data use/analysis and do not create restrictions |   |
| End-to-end security — full lifecycle protection | Digital assets self-specify how they are managed and handled                     |   |
| Visibility and transparency — keep it open      | Metadata and auditing provide accountability                                     |   |
| Respect for user privacy — keep it user-centric | Data steward defines and sets policies on use                                    |   |

### Privacy by Design

PHEMI Central was built from the ground up on an **innovative Privacy by Design framework** to define, manage, and enforce data sharing agreements and privacy policies. Because PHEMI Central's privacy, security, and governance features are one coordinated design across the system, you don't have to rely on a cobbled-together mish-mash of security mechanisms to protect your organization's sensitive data.

# Privacy, Security, and Governance continued

## Build Your Access Policy Quickly and Easily

PHEMI Central tags sensitive data to identify its visibility, captures user authorizations, and combines them in simple, powerful access rules for attribute-based access control.

### PHEMI Central Access Policy Builder

## Access Policy Builder

Name

### Rule 1

**Subject**

**Action**

**Object**


☐ CONFIDENTIAL
☒ DE\_IDENTIFIED
☐ PHI
☐ IDENTIFIED

### Access Policy Attribute Table

| Name           | Description  |   |
|----------------|--|---|
| CONFIDENTIAL   |  | <input type="button" value="Modify"/>           |
| DE_IDENTIFIED  | Identified data that has undergone masking or quasi de-identification procedures | <input type="button" value="Modify"/>           |
| IDENTIFIED     | Data containing identifiable information, such as PHI or PII                     | <input type="button" value="Modify"/>           |
| NON_IDENTIFIED |  | <input type="button" value="Modify"/>           |
| PHI            |  | <input type="button" value="Modify"/>           |
|                |  | <input type="button" value="Create Attribute"/> |

### Access Policy Authorization Table

| Name             | Description   |   |
|------------------|---|---|
| BUSINESS_ANALYST | Business Intelligence role  | <input type="button" value="Modify"/>               |
| CARDIOLOGIST     | Professional care worker in Cardiology  | <input type="button" value="Modify"/>               |
| PUBLIC           | Public Level Authorization  | <input type="button" value="Modify"/>               |
| RESEARCHER       | A new authorization being created for identifying users that are Researchers. | <input type="button" value="Modify"/>               |
|                  |   | <input type="button" value="Create Authorization"/> |