PHEMI Central Features Overview

COLLECT
Fastest ingest speed in the world

PHEMI Central can collect virtually any kind of data—structured (such as database records), semi-structured (such as Microsoft Excel, machine-collected data, or genomic files) or unstructured (such as images or documents). Data can be ingested and aggregated from multiple disparate sources. During collection, PHEMI Central tags each raw data object with metadata, then stores the tagged raw data in PHEMI's fast, powerful data store. The data store is key-value-based and schemaless, so data can be ingested at record-setting ingest rates without complex, time-consuming, or brittle schema-mapping exercises.

CURATE
Tagline to do with curate

PHEMI Central's powerful data store automatically indexes and catalogs all ingested data, so that even the raw data becomes a digital asset. Next user-specifiable data processing functions cleanse, parse, and structure the data—transforming the raw data into analytics-ready digital assets. All digital assets are cataloged and indexed for linking based on key words, graph relationships and geospatial location. Aggregates are computed to acclerate anaytics and application performance. This lets users find specific digital assets within milliseconds, even within petabytes of data.

CONSUME
Tagline to do with consume

With PHEMI Central, you can build datasets on demand without having to manage multiple data marts or complex MapReduce or YARN processes. Whether the dataset is consumed by a user or exported to a spreadsheet, application or analytics tool, PHEMI Central strictly enforces your organization's privacy and security policies to ensure appropriate access to data.

Privacy, Security, and Governance
Tagline to do with PSG

PHEMI Central can automatically de-identify, encrypt, or mask personal information and enforce privacy based on sophisticated user access privileges and fine-grained sharing and consent rules. With a powerful Privacy by Design framework at its core, PHEMI Central helps you achieve your organization's governance objectives.

Data Management
Tagline to do with DM

The power and sophistication of PHEMI Central's data management capability comes from its powerful metadata framework which extends across the entire system, and ensures that data can be managed right at the field level for its entire life cycle.

System Management
Reliability and cluster economics at scale

PHEMI Central runs on commercial servers and commodity disk drives, driving down hardware costs and allowing the system to scale from megabytes to petabytes without expensive Storage Area Network (SAN)/Network Attached Storage (NAS) costs or performance bottlenecks. Automatic replication and load balancing means data is always available and performance is optimized across system nodes.