

System Management

Get enterprise-grade reliability, availability, and scalability with cluster economics.

Commodity Hardware

PHEMI Central eliminates the cost and performance bottlenecks associated with expensive Storage Area Network (SAN) or Network Attached Storage (NAS) architectures. The system uses low-cost commodity hardware components and direct-attached disk drives to significantly lower the cost of ownership compared to traditional enterprise data warehouse systems.

Scalability and Performance

PHEMI Central can easily aggregate structured and unstructured data, scaling storage and compute linearly from terabytes to petabytes with each additional hard drive and node.

Reliability and Availability

All data stored in PHEMI Central is replicated three times across the system to ensure high availability and resiliency in the event of a hardware failure. Direct-attached hard drives can be hot-swapped without impacting performance or data availability, while larger or faster drives and nodes are absorbed into the system and load balanced automatically.

LDAP integration

PHEMI Central can interoperate with your existing LDAP or Active Directory identity management systems or use internally-managed PHEMI Central user accounts.

Maintenance and Support

PHEMI Central provides clear visibility into overall system health, diagnostics, troubleshooting, capacity, and digital assets under management so that IT administrators can quickly configure and test all nodes. Additionally, with Apache Ambari, system management capabilities can be integrated with IT infrastructure monitoring tools such as Microsoft System Center, Teradata Viewpoint, Nagios, and Ganglia.

System Metrics

Global Metrics

Users

Admins	2
Data Owners	4
Privacy Officers	2

Content

Used Space	2.93 TB
Free Space	46.4 TB
Objects	1,009
Data Sources	25

Data Source Metrics

System Performance

Task Monitoring

Data Source

Choose 1 or more data sources from the list:

5 selected

Period

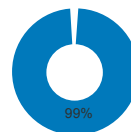
☒ Now

☐ Date Range

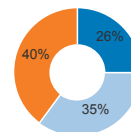
2015-02-16

2015-01-27

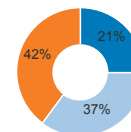
Query



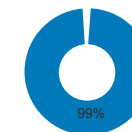
Objects



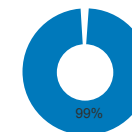
Total Size



Raw Size



Metadata Size



Derived Size

● Cardiology Procedures ● Echocardiograms ● Angiograms

	# Objects	Total Size	Raw Size	Metadata Size	DerivedSize
All	1,009	50 TB	49.34 TB	458.63 MB	987.23 KB

Monitor the System at a Glance

See a summary of current system activity and settings in one convenient dashboard view—administrators have clear visibility into overall system health, diagnostics, troubleshooting, capacity, and all digital assets under management. With options to filter by time period, data source, and task, the metrics summary can be fine-tuned to extract relevant information. Potential problems can be spotted early and resolved.