System Metrics

Contents

System Metrics

Monitor system status and health on the **System Metrics** page.

The **System Metrics** page of the Management and Governance Console reports information about users and system usage, as well as tracking data collection statistics, system performance, and the status of systems tasks.
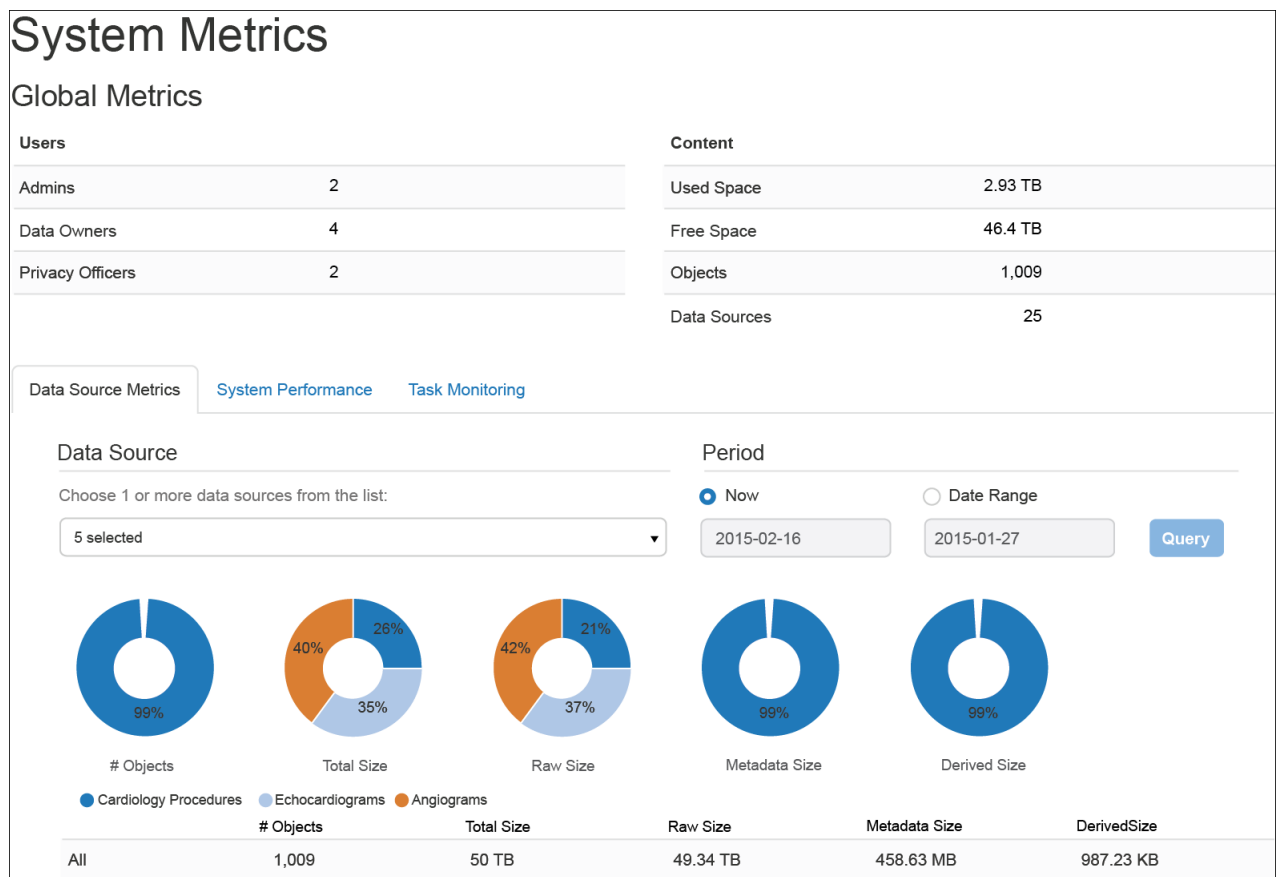
View Global Metrics

View summary information about users and the content residing on your system in the **Global Metrics** pane of the **System Metrics** page.

To view global metrics:

Open the **System Metrics** page, by clicking the **System Metrics** icon in the left navigation bar.

The **System Metrics** page opens showing the **Global Metrics** pane and the **Data Collection Metrics** tab.

In the **Users** column, you can see how many users are currently created each user role. In the **Content** column, you can see how much used and free space there is on the system, as well as the number of objects the system is currently storing and the number of data collections that have been configured.
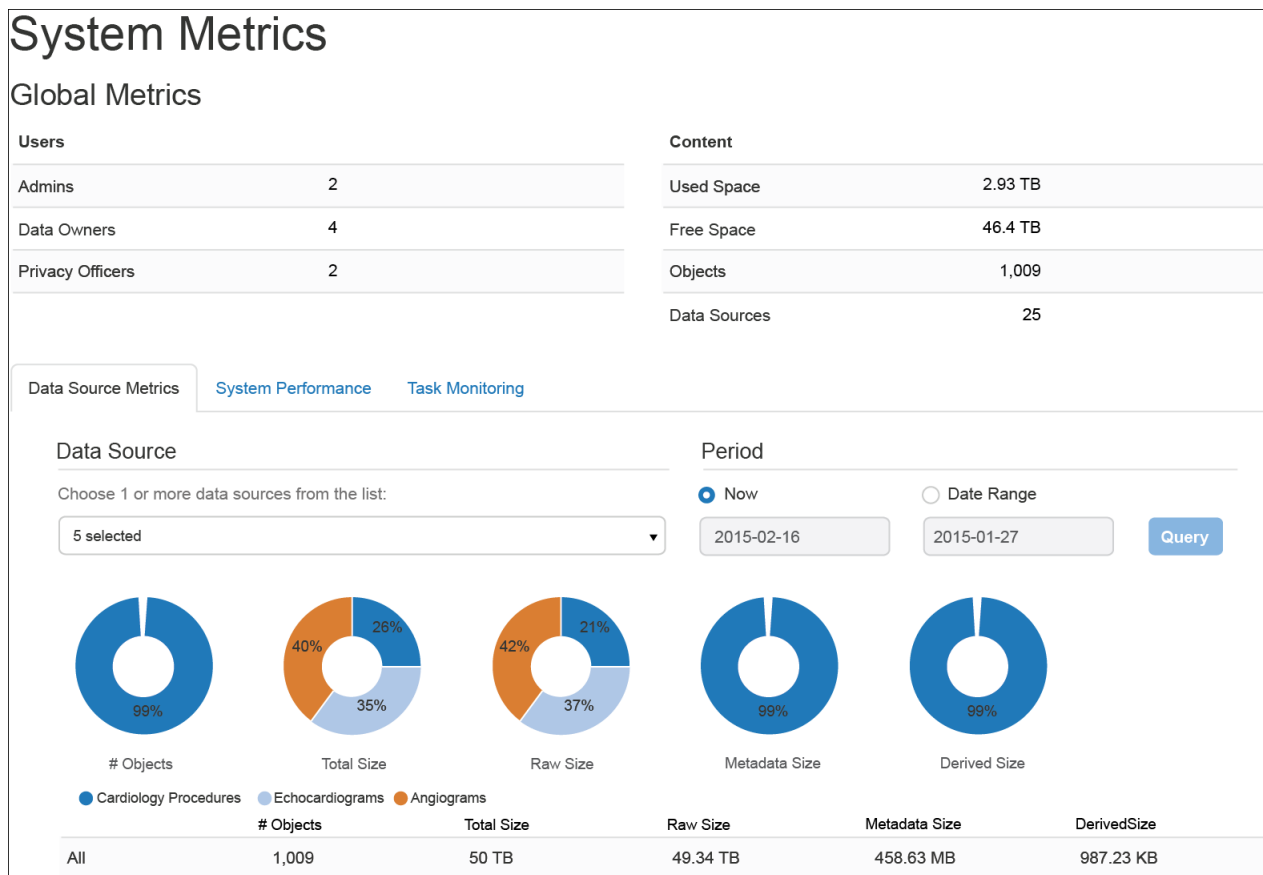
View Data Collection Metrics

View statistics about data collections on the **Data Collection Metrics** tab of the **System Metrics** page.

To view data collection metrics:

1. Open the **System Metrics** page, by clicking the **System Metrics** icon in the left navigation bar. 📈

The **System Metrics** page opens showing the **Global Metrics** pane and the **Data Collection Metrics** tab.

System Metrics

Global Metrics

Users		Content	
Admins	2	Used Space	2.93 TB
Data Owners	4	Free Space	46.4 TB
Privacy Officers	2	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 (99%) | Total Size (40% / 35% / 26%) | Raw Size (42% / 37% / 21%) | Metadata Size (99%) | Derived Size (99%)

● 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

2. By default, the **Data Collection Metrics** pane shows metrics for all data collections. To view information for some other set of data collections, click the drop-down arrow in the **Data Collections** field and check each data collection you want included in the metrics. If you want to include all data collections, you can check **All**.

3. Choose the query period: select **Now** to see a current snapshot, or select **Date Range** to specify a range of dates. The format for dates is *yyyy-mm-dd*.

4. Click **Query**.

The results of your query are displayed below the selection parameters.

View System Performance

View performance statistics for data ingest and dataset execution on the **System Performance** tab of the **System Metrics** page.
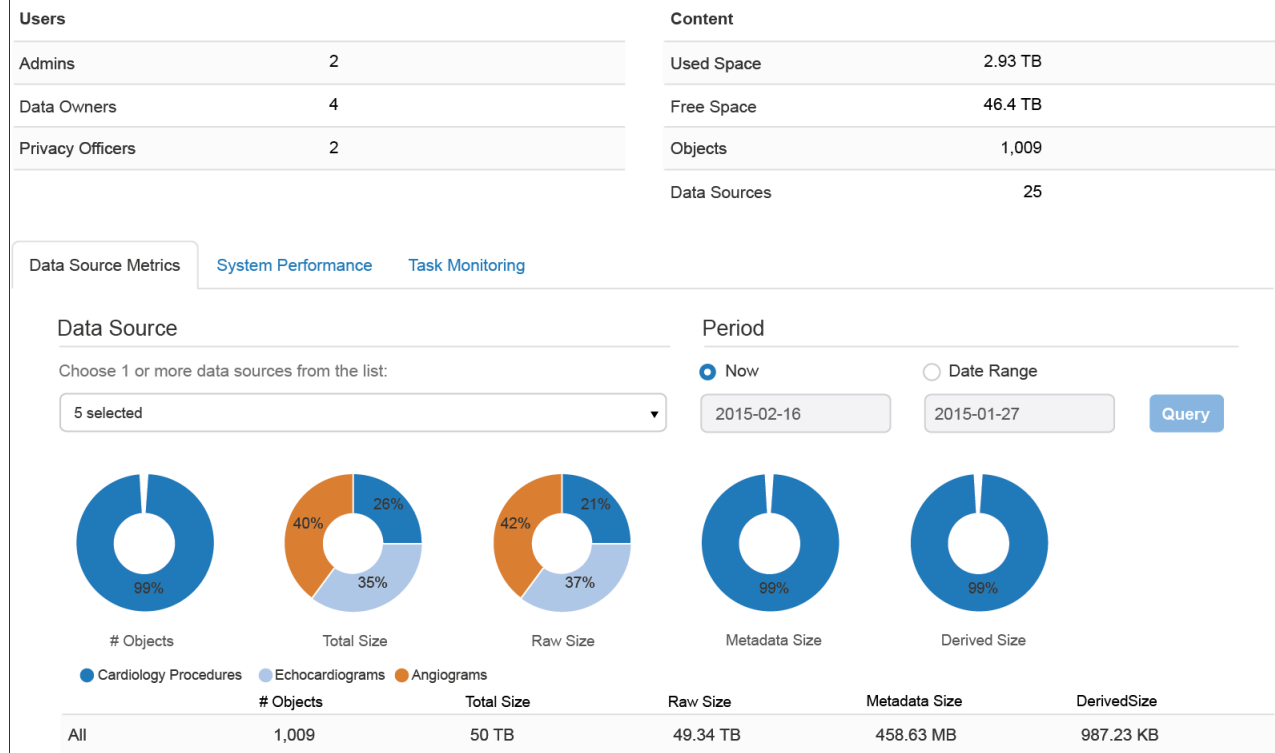
To view data ingest and dataset execution metrics:

1. Open the **System Metrics** page, by clicking the **System Metrics** icon in the left navigation bar. 📈

The **System Metrics** page opens showing the **Global Metrics** pane and the **Data Collection Metrics** tab.
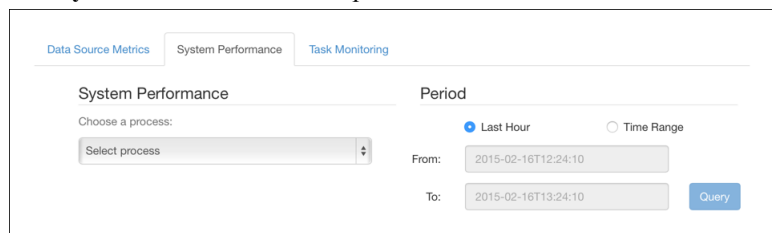
System Metrics

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 — 99%
Total Size — 40% / 26% / 35%
Raw Size — 42% / 21% / 37%
Metadata Size — 99%
Derived Size — 99%

● 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

2. Click the **System Performance** tab.

The **System Performance** tab opens.

Data Source Metrics   System Performance   Task Monitoring

System Performance

Choose a process:

Select process

Period

○ Last Hour   ○ Time Range

From: 2015-02-16T12:24:10

To: 2015-02-16T13:24:10   Query

3. In the **System Performance** field, choose **Data Ingest** to view performance information for data ingest, or **Data Execution** to view performance information for dataset execution.

4. Choose the query period: select **Last Hour** to see statistics for the previous hour, or select **Time Range** to specify a range of times. The format for time is *yyyy-mm-dd*T*hh:mm:ss*, where hours are specified in 24-hour time format.

5. Click **Query**.

The results of your query are displayed below the selection parameters.

Monitor System Tasks

Monitor PHEMI Central system tasks on the **Task Monitoring** tab of the **System Metrics** page.
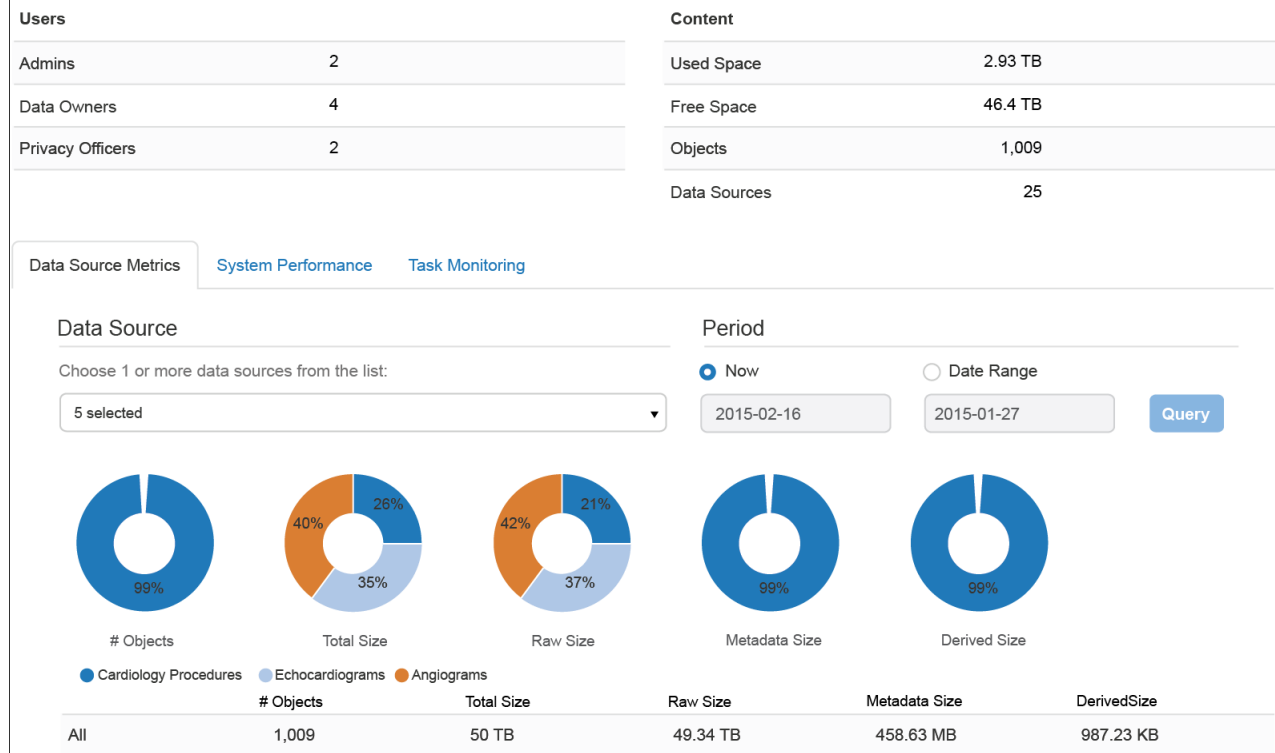
To monitor system tasks:

1. Open the **System Metrics** page, by clicking the **System Metrics** icon in the left navigation bar.

The **System Metrics** page opens showing the **Global Metrics** pane and the **Data Collection Metrics** tab.

2. Click the **Task Monitoring** tab.

   The **Task Monitoring** tab opens, showing system tasks with most recently executed tasks shown first.

3. By default, the **Task Monitoring** pane lists tasks of all task types. You can focus on a single task type by clicking the drop-down arrow in the **Filter by Task** field and checking the task type you want to see. If you want to see all task types, you can check **All**.

Option	Description
chained	The system has ingested raw data and executed a DPF on the data.
cleanup	The system has checked retention rules for a data collection and deleted expired data.
derive	The system has executed a DPF against ingested data.
download	The system has exported a dataset.
execute	The system has executed a dataset.
ingest	The system has ingested data from the indicated data collection.

Option	Description
snapshot	The system has taken a snapshot of information for system metrics.

When you make your selection, the results display from most recent to less recent below the selection parameters.