Nasdaq

HEXAGON
Digital Performance
Light Impact

HPA
Hexagon Performance Analytics©

*The ultimate Observability
and Performance Analytics Solutions for* **Calypso***.*

**Boost user satisfaction
and streamline daily operations**

**Monitor and optimize Nasdaq
Calypso performance**

**Lower costs and mitigate risks with
seamless integration and real-time
analytics**

**Accelerate and safeguard strategic
projects — including upgrades,
infrastructure, business operations,
and regulatory compliance.**

Why choose HPA ?

HPA empowers all stakeholders involved in managing Calypso to gain deep insights into system behavior, analyze trends, and anticipate performance issues before they arise.

By identifying high-impact areas for optimization and facilitating faster collaboration with Nasdaq Calypso teams, HPA significantly **reduces** response times for diagnosis and resolution during performance incidents.
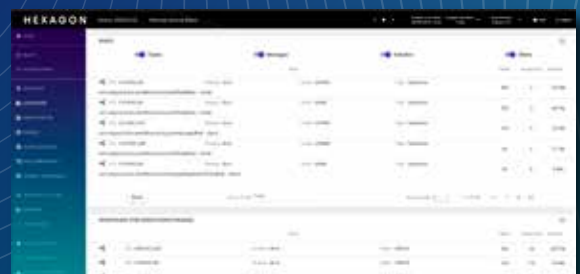
HPA delivers the most relevant KPIs for Calypso at every level — from high-level health dashboards to detailed automated JVM dumps.

HPA Key Capabilities

— Continuous production data collection
  - Standardized data format and content
  - Ready for direct analysis
  - Enables proactive maintenance

— End-to-end monitoring – from Navigators to back-end servers

— Real time alerting

— Minimal impact on CPU and response times

— 20,000 metrics collected every 15 seconds

— Storage optimization
  Example : 1 year of historical data stored within 500 GB

— Compatible with all Calypso configurations, including customized code

— No source code changes required, no reliance on logs

— Standalone solution, integrates seamlessly with existing customer observability platforms

— Designed for flexibility and scalability

— Supports Calypso versions V14 to V18

— Data collection developed in collaboration with Nasdaq Calypso teams

Calypso global health
Multi environment monitoring
Live mode & up to one year of historical data

Drill down analysis for each Calypso components
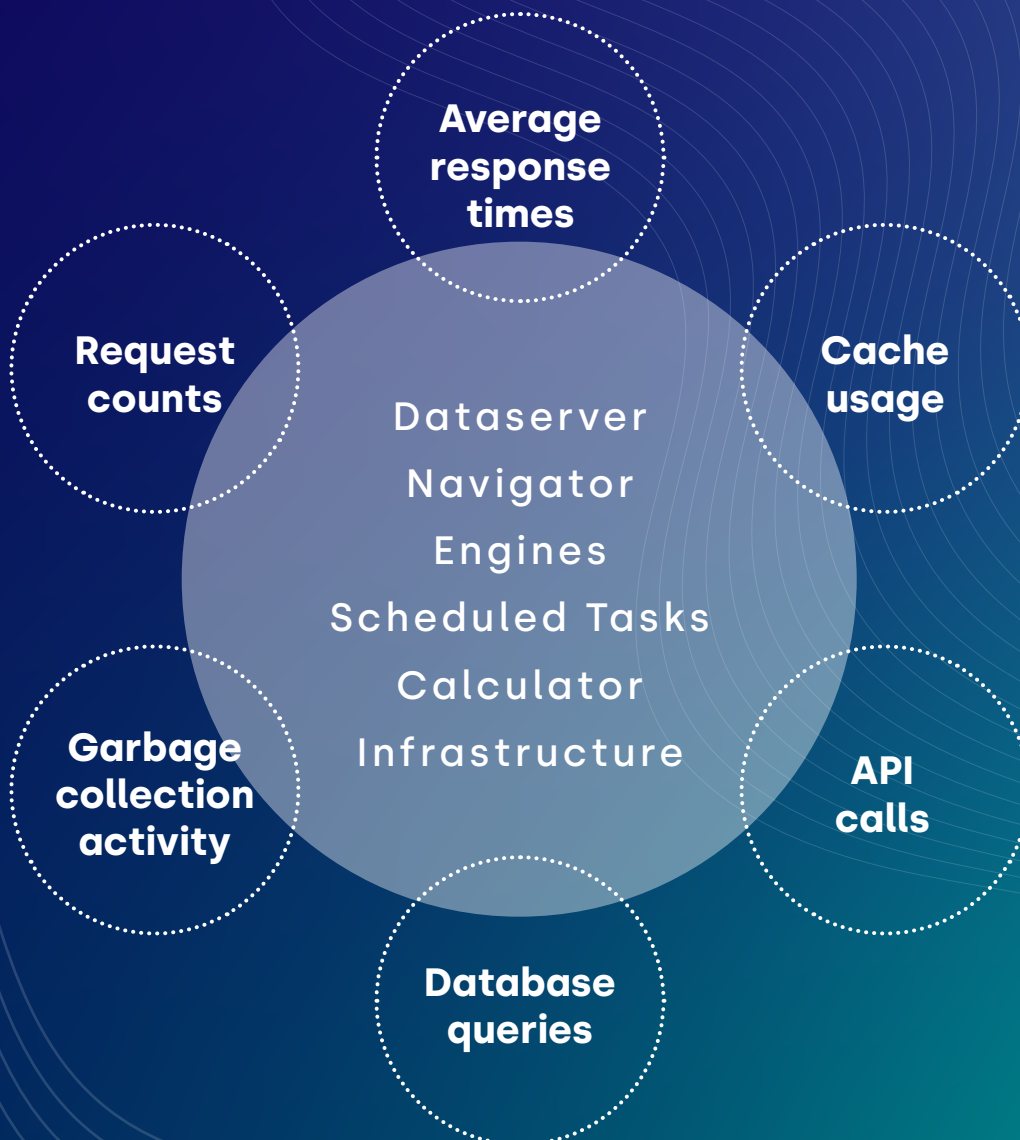*Most consuming objects highlighted and sorted by weight for a any period of time*

Debug Session triggered on events or on demand
Data collection directly usable by Nasdaq Calypso Technical support

HPA
Metrics x Calypso assets

HPA delivers the most relevant metrics for all Calypso components.
"One single source of truth for End-to-End Observability"

Average response times

Request counts

Cache usage

Dataserver
Navigator
Engines
Scheduled Tasks
Calculator
Infrastructure

Garbage collection activity

API calls

Database queries

HPA
Key figures

Leverage the full benefits of a dedicated Observability platform for Calypso.

Fast installation, low overhead, pre-configured alerts, health-check and data collection automation, seamless integration with existing monitoring solution.

Less than one year pay-back.

2 hours
for installation

1 day
for full Calypso performance assessment

45 alerts
pre-configured

9 months
for return on investment. Thanks to time saved on research into the root causes of incidents
(Based on customer experience using a large Calypso instance)

2%
maximum CPU overhead

90%
time reduction for data collection

Book your HPA pilot now !

Benefit from Hexagon's technology, to monitor your Calypso platform from day one.

HPA installation

— 2-hour installation

— no root required minimal prerequisites

— **½ day**

Pilot Implementation

— Evaluate HPA benefits for your production and development teams

— **A few weeks**

Book a demo

or

contact us :
contact@hexagon-perf.com

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