GoMon4Exa – Comprehensive Observability of Oracle Exadata

GoMon4Exa is a flexible tool to oversee the entire Exadata infrastructure. It was developed by Goldenore leveraging the team's extensive expertise in implementing and managing the platform.

Business and Technical Benefits

- **Visibility** – Insight into all layers of the Exadata platform, including database consolidation and multi-tier architecture.
- **Proactive Issue Resolution** – Quick identification of bottlenecks and analysis of workload interference between databases and clusters.
- **Flexibility and Extensibility** – Customizable dashboards, metrics, and integrations, with the ability to create SQL-based metrics.
- **Openness and Independence** – Freedom from vendor lock-in through the use of open-source technologies.
- **High ROI** – Cost reduction from decreased reliance on commercial tools and additional licenses.
- **Scalability** – Adaptability to growing environments and evolving organizational requirements**.**
- **Exadata-Specific Metrics** – Accurate monitoring of critical platform components.

Key Features

- **Agentless Monitoring** – Collection and visualization of hundreds of metrics without installing additional software on Exadata servers**.**
- **Extensive Metric Coverage** – Access to data from key Exadata components:
  - **Storage Servers** – CPU, memory, physical disks and NVMe, temperature.
  - **Exadata FlashCache** – Flash utilization, disks per database, read efficiency, and metrics for rejected writes.
  - **I/O Resource Manager (IORM)** – I/O latencies and queues broken down by database.
  - **Offload Mechanisms** – Smart Scan, Storage Index, and workload distribution across databases.
  - **Compute Servers** – Network throughput (InfiniBand), CPU, temperature, and other metrics.
  - **Database and ASM Metrics** – Performance metrics without requiring Diagnostics Pack, monitoring ASM and databases in Standby mode.
- **Custom Metric Collection** – User-defined metrics based on SQL queries and data from storage servers (cellcli), compute servers (dbmcli), databases, and ASM, enabling full correlation and analysis. Users can also extend the system with metrics from other environments if they are compatible with Prometheus.
- **Alerting System** – Notifications via email, SNMP, or webhooks for any metric or complex KPI, powered by Prometheus Alertmanager.
- **Workload Interference Analysis** – Diagnosis and resolution of issues caused by mutual impact of database workloads sharing platform resources.
- **Flexible Visualization** – No limits on creating dashboards and visualization parameters. Unlike standard tools, users can build custom panels and visual boards.

Why Goldenore?

2013
founded

+100
active clients

+50
skilled professionals

+15
Oracle expertises

Since 2013

ORACLE | Partner