

Modius® OpenData® for Data Center Monitoring

Modius OpenData

The OpenData system from Modius is the industry's only fully distributed data collection solution for gathering real-time performance metrics from across a network of mission critical facilities. It offers core alarming and data collection capabilities across all power, cooling and environmental sensor equipment.

As data centers become more efficient, they also become more difficult to manage. The margin for error in today's critical facility is dangerously thin. As operating temperatures are raised to new ASHRAE standards and electrical distribution systems are run near maximum capacity, one device failure can leave the operator with very little time to react to prevent catastrophe. The OpenData solution for infrastructure availability monitoring can help. It gives you the early warning you need by providing an end-to-end infrastructure monitoring system that actively polls every device in the data center (both IP-based & serial). The advantages of the Modius approach include intelligent alarms based on configurable computations. Rather than generate an overflow of low-level alerts, Modius send you only the alarms you need when they matter most.

How it Works

- Automated monitoring of all infrastructure equipment in the data center through direct real-time polling of equipment (both networked & serial).
- Centralized alarm management to a single console across all mission critical sites (data centers, server rooms, remote server closets, etc.)
- Simplified data management via Intelligent alarms capability

Features

1. Full monitoring and measurement of all infrastructure equipment (power, cooling, environment sensors & IT devices)
2. Robust intelligent alarming using virtual (or computed) points
3. Complete alarm management, including notification and escalation with history tracking

Key Reports

Alarms by device
Notification by device
Notification by user

Non-reporting devices
Disabled alarms

Advantages

- Covers all major power and cooling devices, including IP-based and serial
- Easy to deploy, no on-site coding or programming for low TCO
- Supports all major Business Intelligence tools with open database access

Benefits

- Centralized alerts and alarms for all devices
- Improve MTTR & lower MTBF
- Achieve true N+1 redundancy





What We Do

The Modius OpenData solution captures and trends granular performance data from all critical devices, including power cooling, environmental sensors and IT assets. Our goal is to help you better manage the competing demand of Availability, Capacity and Efficiency in mission critical sites. Founded in 2004 and headquartered in San Francisco, Modius Inc. develops intelligent measurement systems that improve energy performance, carbon management and data center uptime.

1 Collect

Collecting unstructured measurements across your data centers creates a unique set of issues:

How do I collect data from all the different devices and applications in my data center?

How do I account for all the inconsistencies and ambiguities in this unstructured data?

OpenData collects data from any and all devices. It supports multiple protocols and is agnostic to all makes and models, networked and non-networked. OpenData automatically translates and normalizes that data from across your data centers into structured metrics that are easily formatted for presentation in reports, charts, graphs and dashboards.

2 Analyze

Once you've solved the data collection issue, it's time to analyze where you are and set operational goals for the future. OpenData provides a large library of configurable "out of the box" reports covering important issues related to quality, productivity and costs. It also allows the data center operator to create custom metrics and combine data to quickly develop new insights into the operational conditions on the data center floor. These metrics can lead to preventative maintenance, result in significant cost savings, and even avoid downtime. This is Real-time Operational Intelligence.

3 Act

Sound management decisions rely on Real-time Operational Intelligence (RtOI). OpenData provides all the tools you need to manage the performance of your data centers, from integration of disparate devices, to analytics, to customizable and integrated dashboards, all in a "single pane of glass". Analytics can easily capture data from any device, application, or process and provide the RtOI needed to quickly make the right decisions for your data center and your business.

About Modius

Modius Inc. is a world leading end-to-end solution provider for managing the availability, capacity and efficiency in the critical facilities of data centers, smart buildings, telecommunications and other IoT environments.

The Modius flagship offering, OpenData, provides all the tools needed to manage the performance of mission critical infrastructure, from integration of disparate devices, to analytics, to integrated dashboards, all in a "single pane of glass."

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