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Modius® OpenData®
For Remote IoT Device Management

Modius OpenData

The OpenData system from Modius is the industry's only fully distributed data collection solution for gathering real-time performance metrics across a network of mission critical equipment and devices. It offers core alarming and data collection capabilities across all phyisical infrastructure, including IoT devices.

Infrastructure Condition Monitoring

The Modius OpenData solution captures and trends granular performance data from all critical devices, including power, cooling, sensors, and IT assets. Our goal is to help you better manage the demand for device information by delivering data about availability, capacity, efficiency, location and impact analysis.

The OpenData real-time infrastructure monitoring solution supplies you the early warning you need by providing an end-to-end infrastructure monitoring system that actively polls every target device in your facility and beyond (both IP-based & serial). The benefit of the Modius approach includes intelligent alarms based on configurable computations, sending you only the alarms you need when they matter the most.

How it Works

1. Configurable integration without coding of device drivers

2. Condition monitoring of all infrastructure equipment at the edge with automated real-time polling of equipment (both IP-based & serial)

3. Centralized alarm management to a single console across all mission critical sites (data centers, server rooms, off-site assets, etc.)

4. Simplified data management via intelligent alarms

Features

• Real-time data collection across globally-dispersed locations

• Connect to all IT equipment and smart assets

• Easy to deploy; no on-site coding or programming for low TCO

• Supports all major business intelligence tools with open database access

Advantages

• Centralized alerts and alarms for all devices

• Reduce MTTR and improve MTBF

Modius OpenData enables real-time visibility and decision support for managing facilities, data centers and building applications by leveraging the power of the Internet of Things (IoT).

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Modius offers a highly scalable, reliable and secure solution which can be deployed at 1, 10, or 10,000 locations with equivalent performance, across all kinds of devices. Experience the ease of implementation and ease of use of OpenData IoT software.

What We Do

OpenData for Remote IoT™ Device Management provides a fully-integrated platform for real-time analysis of data gathered across your network of mission critical facilities, including remote monitoring of sites in less than desirable places. This Big Data generated by your facility infrastructure is only useful if it can be easily visualized and analyzed to provide the information needed to make informed, data-driven management decisions at the operational, tactical and strategic levels.

1 Collect

Collecting unstructured data from all the devices, applications and processes found in your facilities creates a unique set of issues:

"How do I collect data from all the different devices and applications in my enterprise?" "How do I account for all the inconsistencies and ambiguities in this unstructured data?"

OpenData for IoT automatically collects, translates and normalizes unstructured data into structured metrics that are easily formatted for presentation in interactive reports, charts, graphs and dashboards for analysis and presentation, or used to trigger other automated processes.

2 Analyze

Once you've solved the data collection issue, it's time to analyze where you are and where you are going. OpenData for IoT provides a large library of standard "out of the box" charts and reports covering important facility management issues around power usage and cooling capacity. It also allows the operator to create custom metrics and mine this

data efficiently using a variety of chart and graph combinations.

3 Act

Sound management decisions are based on having the right data at the right time. OpenData for IoT provides a library of pre-built dashboards covering industry management metrics like PUE, Carbon Footprint, Site Capacity Trending, and more. Need a custom dashboard? OpenData for IoT provides all the tools you need to create new dashboards and interact with this data to make better management decisions.

As more and more machines communicate with one another, the majority of the processing will occur at the edge between the machines, with only summary data, alarms and alerts, and calculated points moving from the edge to the operations center for further analysis and action from control applications. This distributed IoT application architecture provides the best approach for mitigating impact on network bandwidth. and storage resources from a flood of unstructured data generated from IoT connected devices.

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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