NIyte Software

NIyte Environmentals Connector for SynapSense

DATA SHEET

REAL-TIME ENVIRONMENTAL MONITORING & MANAGEMENT

Did you know that you can generate 2-4% savings in total cooling costs simply by raising the temperature of the data center by as little as one degree Fahrenheit?

As data centers become larger and more complex, it becomes harder to manually track vital environmental signals for optimal maintenance. Overlooking signals that indicate out-of-range values somewhere on the data center floor could lead to early failure of equipment and poor utilization of resources.

Environmental signals are instrumental to getting the most out of your existing assets without additional outlay for an engineering project. But how exactly do you turn insight from your SynapSense installation into actionable steps to optimize your datacenter management from key environmental signals?

The NIyte Environmentals Connector for SynapSense allows NIyte users to capture all available SynapSense asset-level metrics *real-time* to help you stay on top of game. With NIyte Environmentals Connector for SynapSense, no you can capture:

- Real-time Temperature
- Real-time Humidity
- Real-time Pressure

This data will then be displayed in overlay reports to support floor planner, cabinet and logical row view data visualization.

All data is also recorded within NIyte Analytics for trending and reporting.

Empowered with such comprehensive real-time metrics, you can uncover additional savings in your data center.

Benefits:

- Gain a federated view - one version of the truth for all combined environmental metrics
- Reduce cooling cost by raising the temperature of room while monitoring data center devices constantly for temperature issues
- Save money by avoiding buying costly intelligent PDU's or inlet temperature sensors
- Increase data center utilization by increasing rack density to maximize server count per rack in a fixed rack power envelop
- Lower risk of outages associated with load-induced dynamic thermal performance
- Reduce time required to conduct audits
- Prolong lifespan of your facilities investment by maintaining them at optimal humidity/temperature/pressure settings

Features:

- Real-time thermal, humidity and pressure data
- Plug-and-play integration into SynapSense and sensors
- Pre-defined and user-defined dashboards providing state-of-the-art data visualization
- Comprehensive and robust device-level environmental signal dashboard providing actionable information at the macro and micro levels
- "What-If" scenario simulations to guide higher level business decisions
- Robust workflow and policy management facilitating data center service management (DCSM) as critical component of larger ITSM solution
- Historical trending

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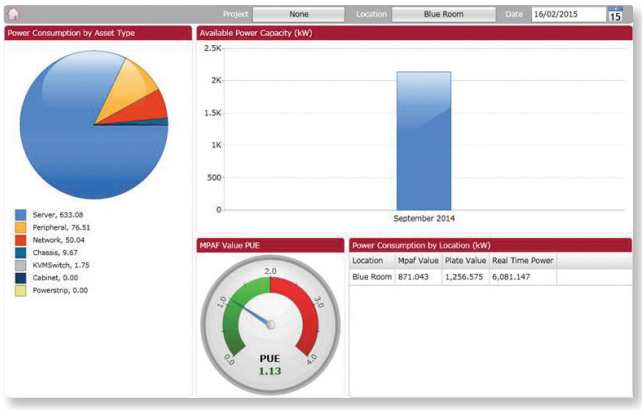
Prerequisites for NIyte Environmentals Connector for SynapSense:

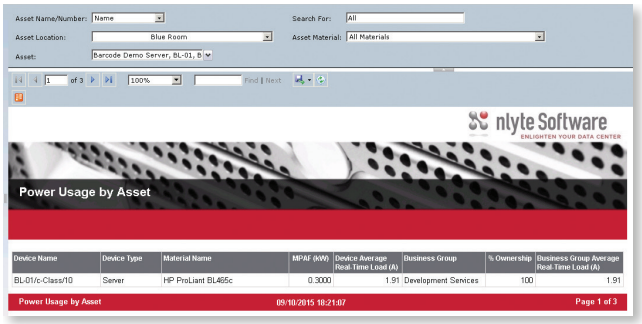
- SynapSense Version 0.5 or higher
- NIyte 7.8.244 or higher

How it works:

The NIyte Environmentals Connector for SynapSense collects temperature, humidity and pressure sensor metrics for cabinet and air conditioning assets held in SynapSense nodes and writes them as real-time metrics against the matching server asset in NIyte. Even better, the integration is not limited to these two asset types and others could be used if preferred and available.



Device-level energy metrics used through the NIyte system, in capacity planning, prediction and reporting



Device-level energy data provides actionable information at the macro or micro level

FOR MORE INFORMATION

- Contact Us: **info@nlyte.com**
- Visit Us: **www.nlyte.com**

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About NIyte

Founded in 2004, NIyte Software is recognized as the industry leading data center infrastructure management (**DCIM**) solution provider. NIyte's DCIM provides unmatched functionality that supports all data center processes across the entire "dock to decom" lifecycle. With a 98% customer retention rate, NIyte's DCIM solution is used by many of the world's largest and most sophisticated data centers, as well as many small and medium sized organizations. Customers can quickly deploy the NIyte DCIM solution and begin to immediately enjoy reduced costs and increased efficiency across all data center processes. For more information, visit **www.nlyte.com** or follow **@nlyte** on Twitter.