

The Era of Brilliant Machines - IO



Copyright © 2013 IO Data Centers

IO Blog



The Era of Brilliant Machines

March 14th, 2013 / Jeffrey Hughes / 0 comments

SHARE 

The era of brilliant machines is upon us.

Across many industries, we see the convergence of industrial systems and advanced computing, analytics, and low cost sensing devices all working together to assist in making accurate, cost saving or, in some cases, life-saving decisions. We have barely scratched the surface of what technology can do when real time data is combined with sophisticated and actionable analytics.

A recent TV commercial in the U.S. by General Electric talks about how their jet engines are able to gather and analyze 5000 data samples per second to make split-second adjustments to engine performance. The commercial goes on to say that real time data is good for business; enabling aircraft to use less fuel, spend less time on the ground, and more time in the air. Analytics at all levels of life promise to bring about greater efficiencies as we unlock the power of analyzing data in real time and making it actionable.

The power of actionable analytics is permeating every aspect of life, including the data center. It only makes sense that the data center, the keeper of all data related to our business and personal lives, would see enormous benefit from the combination of real time data and ongoing analytics. For example, a data center that has the ability to make real time adjustments to cooling, environmental controls, asset configurations and IT services will save money, reduce downtime and deliver a higher quality of service to its customers.

These types of actionable analytics for a data center require a sophisticated operating system that can continuously measure data samples (aggregate structured data) and correlate that data to deliver prescriptive advice to those that operate the facility. This type of operating system must have the ability to talk to a range of disparate devices to build a complete picture of the environment and make adjustments that provide economy, safety, and efficiencies for the site.

A data center operating system (DCOS) implies more than simply managing a few devices and collecting inputs. An operating system is the foundation upon which other applications build and extend their technology. An operating system is capable of interacting on and with multiple hardware components. For decades, the data center has been lacking a unifying technology that can measure and fine tune its components to match current conditions, until now. IO.OS™ is the first data center operating system to enable intelligence and control. Tightly integrated with its hardware components, IO.OS allows companies to visualize their data centers, gather real time inputs, and produce actionable analytics to manage all aspects of electrical, mechanical, and IT operational performance.

The era of brilliant machines is upon us. IO.OS is making data centers brilliant.

Jeff Hughes is Director of OS Product Marketing at IO, and has 18 years of experience in high tech product marketing. He's the author of 13 books on technology and marketing, and has written numerous articles and white papers on the topics of security, high tech, and marketing. His most recent book is: ""iPhone and iPad Apps Marketing: Secrets to Selling Your iPhone and iPad Apps""

Jeff Hughes is Director of OS Product Marketing at IO, and has 18 years of experience in high tech product marketing. He's the author of 13 books on technology and marketing, and has written numerous articles and white papers on the topics of security, high tech, and marketing. His most recent book is: ""iPhone and iPad Apps Marketing: Secrets to Selling Your iPhone and iPad Apps""

Tags: analytics, blog, brilliant machines, data, IO.OS, Jeff Hughes

Leave a Reply

Your email address will not be published. Required fields are marked *

Name *

Email *

Website

Comment

You may use these [HTML](#) tags and attributes: <abbr title=""> <acronym title=""> <blockquote cite=""> <cite> <code> <del datetime=""> <i> <q cite=""> <strike>



www.io.com