



news release

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For immediate release

Aperture Research Institute (ARI) study discovers data center management has insufficient tools and strategy in place for effective infrastructure monitoring

ARI study reveals data centers at risk from incomplete monitoring and an over-reliance on multiple, complex monitoring systems

Stamford, CT – December 8, 2008 – An Aperture Research Institute (ARI) survey of over 100 data center professionals has revealed that although the majority of data center professionals understand the importance of monitoring for tactical and strategic data center management, only 35% are using a single monitoring system that provides the level of detail necessary for outage prevention and efficient incident management.

Real-time infrastructure monitoring helps data centers to predict faults, enabling them to prevent problems before they occur, or react quickly to incidents, as well as effectively measure infrastructure utilization. The ARI study reveals that the data center community is generally enthusiastic about monitoring, with 68% of survey participants demonstrating an interest in monitoring significant infrastructure elements like generators, cooling units and temperature sensors.

Although 88% of the data center professionals surveyed monitor their infrastructure, less than a third (30%) monitor more than 90% of their equipment, restricting their ability to respond to outages and carry out preventative maintenance. 12% of those surveyed revealed that they do not monitor the infrastructure of their data centers at all, and these data centers are unlikely to be able to offer a high level of uptime as a result of this.

Just over half (51%) of those that are using monitoring systems were using building management systems (BMS), which typically lack the level of detail needed to be effective. 41% of participants that monitor the data center revealed they use more than one system to do so. In some cases, up to six or seven systems were being used. Only 35% of participants revealed they use a single, dedicated system to monitor the data center.

Steve Yellen, Principal of the Aperture Research Institute, said: "The fact that many data centers are not using a single monitoring system is quite alarming. Those data centers that are using multiple systems risk increasing costs and complexity to unmanageable levels. There's also an over-reliance on building management systems, which typically do not monitor the data center at the rack and device level, and these data centers will be unable to see a holistic view, making it difficult for them to accurately plan capacity and optimize resources."

The Aperture Research Institute is the first organization dedicated to researching data centers, their challenges, and best practice management. It was established by Aperture Technologies Inc., the leading global provider of software for managing the physical infrastructure of data centers.

The Aperture Research Institute's latest research note, entitled 'Data center management lacks unified tools and strategy for infrastructure monitoring', is available for free download at: www.apertureresearchinstitute.com

About Aperture

Aperture software from Emerson Network Power is used to manage the physical infrastructure of data centers, reduce operational risk and improve efficiency through the planning and management of data center resources and real-time monitoring of the environment. Emerson Network Power, a business of Emerson (NYSE: EMR), is the global leader in enabling *Business-Critical Continuity*TM from grid to chip for telecommunication networks, data centers, health care and industrial facilities. Emerson Network Power provides innovative solutions and expertise in areas including AC and DC power and precision cooling systems, embedded computing and power, integrated racks and enclosures, power switching and controls, infrastructure management and monitoring, and connectivity. All solutions are supported globally by local Emerson Network Power service technicians. For more information visit www.aperture.com <<http://www.aperture.com/>>. Learn more about Emerson Network Power products and services at www.emersonnetworkpower.com <<http://www.emersonnetworkpower.com/>>.

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