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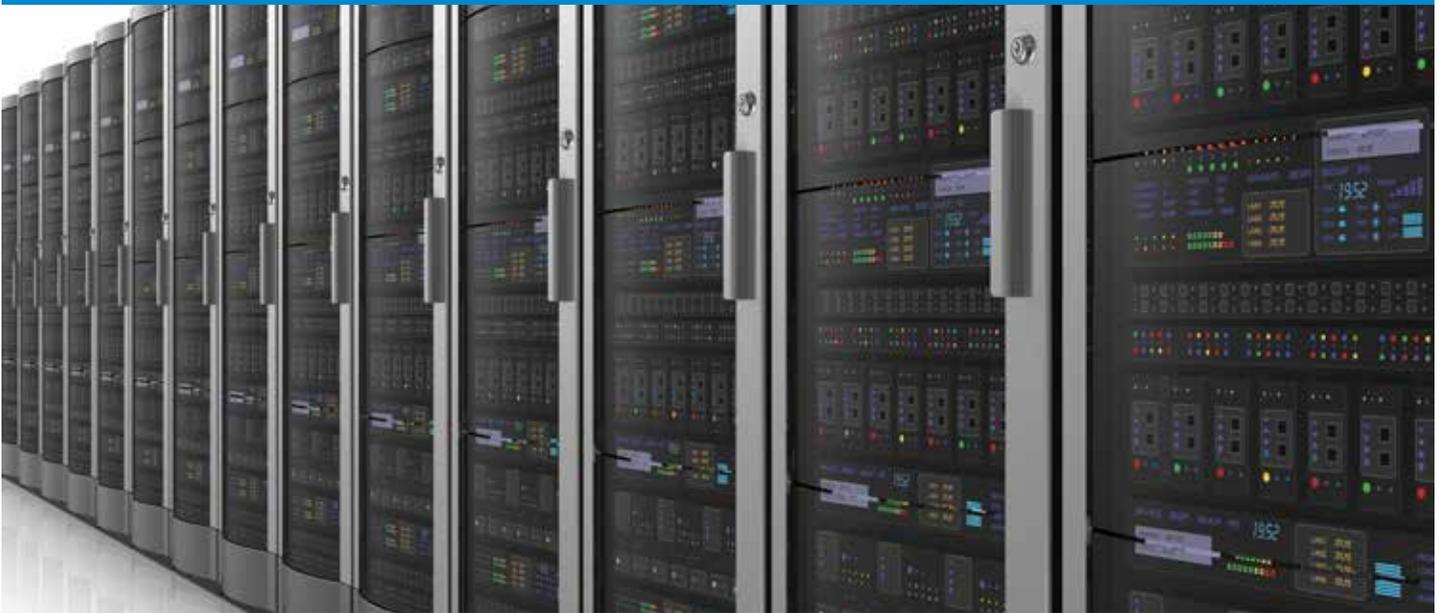
Niagara Framework for Data Centers
A Case Study: Expedient

niagara

EXPEDIENT CHOOSES NIAGARA FRAMEWORK FOR DATA CENTERS

9 Locations
(1) Massachusetts
(2) Pennsylvania
(3) Ohio
(2) Maryland
(1) Indianapolis

Managed Points
Over 84,500 points
Over 400 devices

Purpose
To implement a cost-effective monitoring system that is scalable and easy to deploy.

Expedient operates a national network of nine data centers in Baltimore, Boston, Cleveland, Indianapolis, Pittsburgh and Columbus. The company boasts thousands of nationwide clients who use Expedient's secure and redundant data center facilities to fully manage their critical information technology applications.

Expedient also offers an array of fully managed network hosting services including managed backup for disaster recovery and colocation hosting. Equipment and facility monitoring can be crucial to round-the-clock operations at Expedient's multiple data centers. According to Ken Hill, Expedient's senior vice president and chief technology officer, equipment and facility monitoring is essential to his company.

"Our customers rely on our organization to provide reliable data-center services at all times," explains Hill. "It is imperative that we have in-depth visibility of our infrastructure systems and elements to ensure that we detect and resolve problems in a proactive and timely manner."

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KEY DECISION FACTORS

Since making their decision, Expedient has deployed DCIM products in nine data centers to monitor leak detection, BCMs, UPSs, generators, HVACs, switchgear, ATSs, humidity, wireless temperature systems and more.

"The system provides us with the ability to monitor and measure power consumption and watt densities within our data centers … the product reduced our cabling costs and gave us flexibility with the placement of sensors," Hill says. "For example, the wireless temperature and humidity sensors can be placed anywhere within the facility in minutes. If we have a specific area of concern, we can install a sensor and collect environmental information immediately."

Expedient replaced its previous monitoring system with the Niagara framework. Expedient has been extremely pleased with this solution. Initially, Expedient needed to integrate more temperature monitoring at its sites, but as the company learned more about Niagara, its needs and scope began to steadily increase.

"Niagara allows us to add modular components to meet our needs as we grow," Hill says. "Some of the competing products carried a higher initial cost that consumed additional capital resources up front."

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Creating Possibilities

Tridium is the global leader in open platforms, application software frameworks, automation infrastructure technology, energy management and device-to-enterprise integration solutions. Our software frameworks and applications have fundamentally changed the way devices and systems connect, integrate and interoperate with each other and the enterprise.

From building control, facility management, industrial automation and energy information systems to smart homes, smart cities and smart services, Tridium's innovative platforms enable the building and management of complex monitoring, control and automation solutions, and empower manufacturers to develop products that can collaborate and communicate with the enterprise.

We are committed to leading the industry in creating smarter, safer and more efficient buildings and communities, bringing intelligence and connectivity to the network edge and back.

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