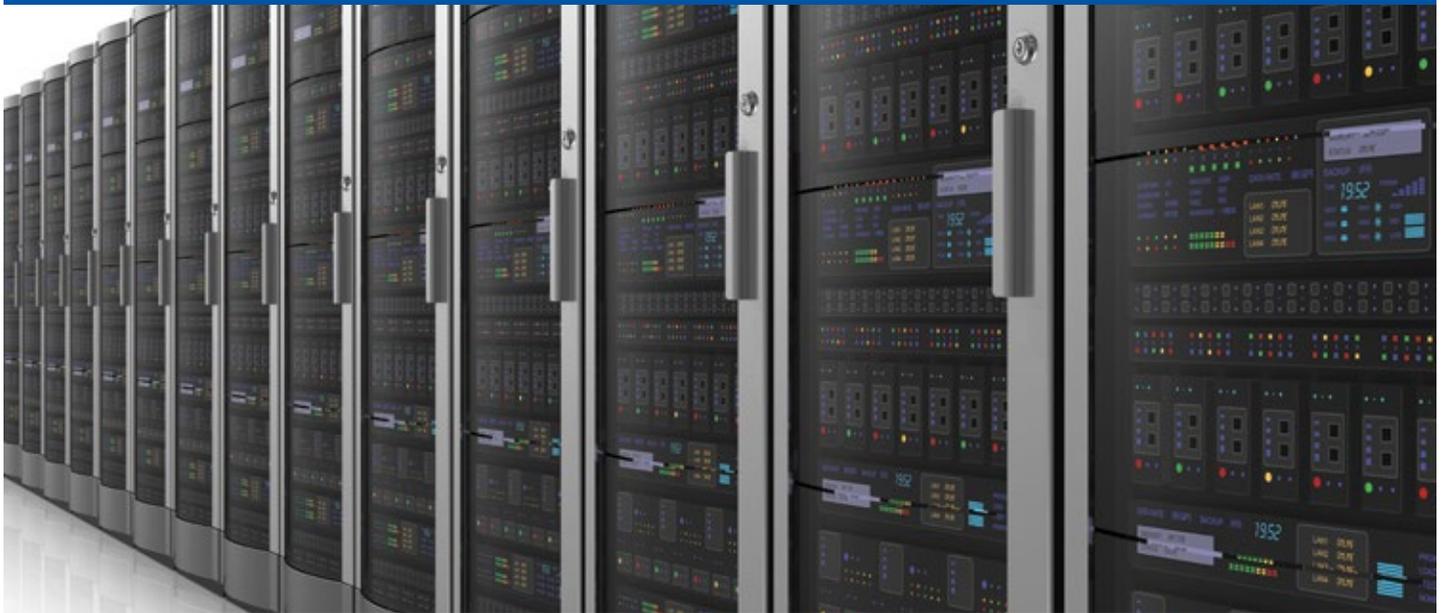


TRiD!UM



Niagara Framework for Data Centers A Case Study: BCD Travel

niagara
FRAMEWORK

BCD TRAVEL FINDS THE RIGHT SOLUTION WITH THE NIAGARA FRAMEWORK

28 Locations

- (2) Georgia
- (1) Florida
- (1) Costa Rica
- (1) Missouri
- (23) Remote Locations

Managed Points

- Over 22,000 points
- Over 400 devices

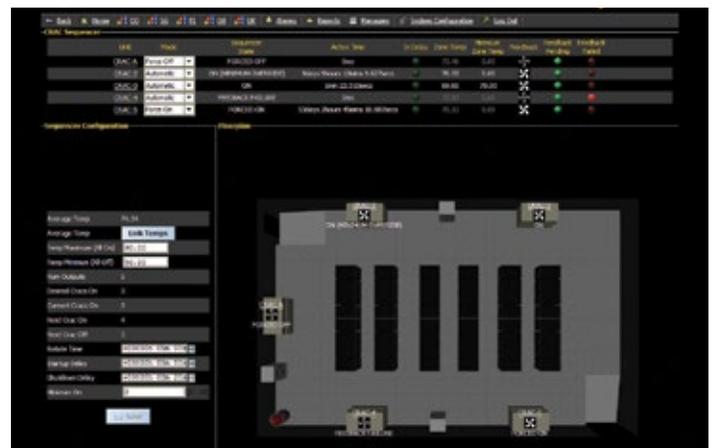
Purpose

To implement a proactive monitoring system capable of trending data and integrating with multiple communication protocols while maintaining a visually pleasing and intuitive user interface.



For more than 30 years, BCD Travel has been a recognized leader in providing travel services in a variety of industries. With more than 13,000 professionals focusing on quality travel management, BCD Travel boasts a proven track record of superior service with a 95% client retention rate. With core services including travel management, meeting management and travel industry consulting, BCD Travel is known for their empowered management practices, customer customization and partnership approach to business.

Automated tools and processes ensure that travel agents focus on service delivery—not complex booking procedures. BCD Travel implements online booking tools and continually improves online adoption, centralized support, operational excellence and workflow technologies to provide superior performance across borders. To maintain the quality service their clients have come to expect, BCD Travel relies on the upkeep of numerous data centers spanning multiple continents.



“ There is so much flexibility in the product’s ability to store data, warn and alarm. These features allow us to perform trend analysis and to be proactive rather than reactive in monitoring growth. ”

Expanded Infrastructure

In 2008, BCD Travel expanded by building a new data center in Atlanta. To monitor this data center, BCD Travel needed a highly reliable, comprehensive system. Previously, the company’s data centers employed rudimentary monitoring systems that used analog signals such as temperature and humidity as well as dry contacts for status of equipment.

Director of Data Center Operations Tom Dileo says: “We began to search for a comprehensive product suite that would integrate with our new infrastructure through multiple protocols such as SNMP, MODBUS®, LONworks®, etc. We also required a friendly Web-based graphical interface that would present a clear view of the status of our entire infrastructure.” Implementing a system that monitored their new data center efficiently, accurately and comprehensively was imperative.

Flexible Monitoring

BCD Travel was impressed by the system’s flexibility to store data, warn and alarm. “These features allow us to perform trend analysis and to be proactive rather than reactive in monitoring growth,” Dileo notes.

BCD Travel was also able to make adjustments based on their needs. “I asked for an automated way to start/stop our individual HVAC units based on defined temperature thresholds. The team delivered this request without any hesitation or trouble,” says Dileo.

The automated start/stop function for the HVAC system started showing a return on investment almost immediately. In just over a year, employing the automated CRAC manager has decreased the six CRAC units’ run time by approximately 20%. That translates into an annual savings of over \$23,000—and that’s just one of many ROI measures.





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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