

StruxureWare™ Data Center Expert

Infrastructure management from rack to row to room to building

Deploy in minutes, manage from anywhere, analyze instantly, integrate with other management systems.



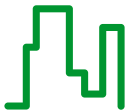
End to end data center infrastructure management software for monitoring and control of power, cooling, security and energy usage from the building through IT systems

StruxureWare Data Center Expert



User defined reports and graphs, and instant fault notification and escalation enable quick resolution of critical infrastructure events.

Whether located in a data center, remote office, or campus environment, StruxureWare Data Center Expert and the Schneider Electric power, cooling, environmental, and security devices combine to provide a comprehensive management solution. With StruxureWare Data Center Expert power readings, environmental readings and camera images from any site on your network are tied in together into a common management platform. Images and alerts from around the company can be instantly viewed and managed, trends analyzed, and problems averted, providing unparalleled physical threat management.



Integrated with Power and Building Management

Integrate with Building Management Systems and PowerLogic ION-Enterprise for information on the health of critical support systems in the electrical and mechanical rooms as well as power quality and electrical distribution.



Web Services API

Ready access to StruxureWare Data Center Expert alerts, data, reports and trending through existing dashboards – or create custom portals for financial, operational or other views.

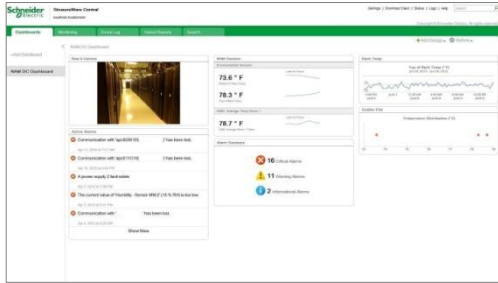
StruxureWare Data Center Expert is easy to use and deploy with a user-friendly interface to monitor, manage and control the hundreds or thousands of devices a company might have from a wide range of manufacturers. These devices include equipment that provides power, cooling, security and environmental monitoring.

- Multi-vendor** – capable of monitoring any networked device from any manufacturer
- Real-time monitoring** – user-defined reports and graphs, and instant fault notification and escalation enable quick resolution of critical infrastructure events.
- Centralized repository** – of critical information accessible by multiple users from anywhere on the network.
- Future Trending** – bringing new insights into your infrastructure's health, planning and budgeting.
- Customized Alarming** – alarm and escalate by device, by rack, by location to the right people at the right time.
- Open and flexible architecture** – expands with changing business needs through additional device licenses, add-on surveillance, operations, capacity and change modules.
- Full software developer kit (SDK)** – allows custom integration with other systems for maximum flexibility.



Immediate visibility to your entire physical infrastructure through centralized, real-time device monitoring and notification enabling quick assessment of events as they occur

StruxureWare Data Center Expert



Real-time event notification minimizes response times to critical physical infrastructure situations. Enables IT Administrators to reduce mean time to repair, improve efficiency, and maximize uptime.



Preserving your visibility

When your network goes down, you don't know whether your power, cooling, security and environmental conditions are in jeopardy. Schneider Electric's Redundant Management Program allows you to easily reduce risk and protect your mission-critical IT assets.

Redundant Management Program

Schneider Electric's Redundant Management Program is easy. Purchase the appropriate size redundant server for your organization along with the support contracts, and node-specific support contracts for each server.

- *Schneider Electric will supply free of charge the node licenses that are required for the redundant servers to operate.*

With redundant StruxureWare Data Center Expert systems independently monitoring your data center infrastructure, you can ensure fully tolerant management to protect your IT assets.

In combination with good backup and restore procedures, redundant servers and software keep your IT environment safe from downtime whether it is from an appliance failure or the more-common network failure.

Given the rate of IT refreshes, it is equally important to maintain a data center's criticality over time. A redundant StruxureWare Data Center Expert management solution operating on a secondary network can monitor and track changes to a data center's physical infrastructure and notify managers when a data center's criticality falls below thresholds – even when a server or primary network failure occurs.

StruxureWare for Data Centers Mobile Apps

Access critical power and cooling information from the convenience of your smart phone

Receive StruxureWare Data Center Expert alarms and alerts, sensor states, device groups and details on your BlackBerry® and iPhone®

Wherever-you-go monitoring of data center physical infrastructure StruxureWare Data Center Expert Mobile Apps are free to download and easy to use – and Data Center Expert brings you the same critical information from your StruxureWare Data Center Expert desktop to your iPhone®.

Benefits:

- Instant notification
- Do more with less
- Reduce risk
- Multi-vendor capable
- Flexible alerting



App Requirements

- InfraStruxure Central 6.2 or higher and StruxureWare Data Center Expert 7.0 or higher
- BlackBerry OS 4.5 – 6.0
- Apple iPhone iOS 4.3.2, 4.3.3 and 5.0

StruxureWare Data Center Expert Specifications

Specifications	Basic	Standard	Enterprise	Virtual Machine	
SKU	AP9465	AP9470	AP9475	AP94VMTRL	AP94VMACT
Device Support (1 node = 1 IP address)	Up to 525 devices	Up to 2,025 devices	Up to 4,025 devices	Up to 5 devices	Up to 325 devices with (1) CPU and (1) GB RAM Up to 1,025 devices with (1) CPU and (2) GB RAM Up to 2,025 devices with (2) CPU and (2) GB RAM Up to 4,025 devices with (4) CPU and (4) GB RAM
NetBotz Appliance Surveillance Support	Up to 15 appliances	Up to 125 appliances	Up to 250 appliances	Up to 1 appliance	Up to 250 appliances
Supported Device Types	All: UPS Models, Chillers, Power Distribution Units (PDU), Rack PDUs, Computer Room Air Conditioners, Environmental Sensors, Power Metering Equipment, Surveillance Appliances, Static Transfer Switches, Standby Generators				
Building Management System Integration	Yes				
Multi-vendor SNMP and ModBus Support	Yes				
Power	Single supply		Dual supply		n/a

Client System & Web Browser Prerequisites

Operating System	Microsoft® Windows® XP (SP1, SP2, SP3) Windows® Server 2003 (SP2) Windows® Vista, Windows® 7, or Red Hat® Enterprise, Linux® 6.0 (32-bit platforms only)
CPU Speed	1 GHz or better AMD/Intel processor
System Memory	1GB RAM
Screen Resolution	1024 x 768
Browser Requirements	The browser must be JavaScript® enabled, Mozilla Firefox® version 12.0, 13.0, 14.0 Microsoft Internet Explorer® version 8.0, 9.0, 10.0 Google Chrome™ version 19.0, 20.0, 21.0

Communications & Storage

On-board RAM	2GB	2GB	4GB	See "Supports VMware® Fault Tolerance" / "High Availability"
Data Storage	160GB available for data storage	250GB available for data storage	1TB available for data storage	18GB minimum (includes required space for VM image and 1GB of data storage)
Supports VMware® Fault Tolerance	n/a			(1) CPU, (1) GB RAM, up to 325 devices (1) CPU, (2) GB RAM, up to 1,025 devices
Supports VMware® High Availability	n/a			(1) CPU, (1) GB RAM, up to 325 devices (1) CPU, (2) GB RAM, up to 1,025 devices (2) CPU, (2) GB RAM, up to 2,025 devices (4) CPU, (4) GB RAM, up to 4,025 devices
Protocols	DNS, HTTP, HTTPS, SMS, SMTP, SSL, TCP/IP, SNMP,			DNS, HTTP, HTTPS, SMS, SMTP, SSL, TCP/IP, SNMP, Modbus TCP
Network Interface Connections	RJ-45 10/100/1000 Base-T			

Software Services

Peace-of-mind software services.



Comprehensive services

Schneider Electric has the services you need to protect your investment, efficiency, and availability. Our comprehensive software services portfolio, which supports third-party integrations, is designed to ensure your applications receive the care they need to operate at optimal levels – at all times – from installation to ongoing operations.

Software Installation

- > We offer Software Installation Services that will increase your efficiency by decreasing your time to deployment.
- > We use repeatable industry best practices for installing and registering in accordance to manufacturer specification.
- > The service is fulfilled by highly skilled and certified field service engineers, ensuring that all software products are installed correctly and are ready for use in your dynamic data center.

Software configuration

- > By quickly and precisely configuring the system to emulate your unique data center, you will be able to take advantage of the features and benefits of the tools included in the software. In turn, you can make critical decisions that will save you time and money.
- > Our certified field service engineer will configure the application down to the rack and row level, including IT devices for your as-purchased solution.
- > Our services manage the complete deployment of your software, giving you the data you desire to run an efficient data center today, while planning for tomorrow.

Software integration

- > The Software Integration Service provides planning, designs, and project management for the integration of StruxureWare for Data Centers software products into your existing system, providing you with a customized view into your existing applications.
- > Our highly skilled and certified software engineers will utilize industry best practices to integrate or enhance our StruxureWare for Data Centers applications to meet your individual business requirements.

Software education

- > Are you interested in learning more about your StruxureWare for Data Centers tool set and want to be empowered with the knowledge to make educated changes? If so, our Software Education Services provide you with expert training, enabling you to get the most from your investment by learning operational skills and best practices for your solution.
- > Our Education Services are designed to provide a practical learning experience for professionals with real-life, hands-on exercises.

Post Configuration Review

- > Provides you with a review of how the StruxureWare for Data Centers application was configured, enabling you to quickly take control of your environment.
- > This approach to transfer knowledge lowers your cost of implementation by maintaining your operations in house.