The Avocent® Data Center Planner

Real-World Insight for Smarter Data Center Management

EXECUTION

AVAILABILITY

EFFICIENCY

Avocent.

EMERSON™
Network Power

What's the state of your data center?

You are in a critical position.

The data center is IT's most valuable (and expensive) asset, and you are responsible for the day-to-day operation. The demand for your services has grown steadily and so has the complexity of your job. Many professionals in your position have developed a range of ad hoc tools and techniques to manage the physical infrastructure. Unfortunately, all too often these tools are neither comprehensive nor integrated, failing to provide the real-world information needed to accurately plan and execute change.
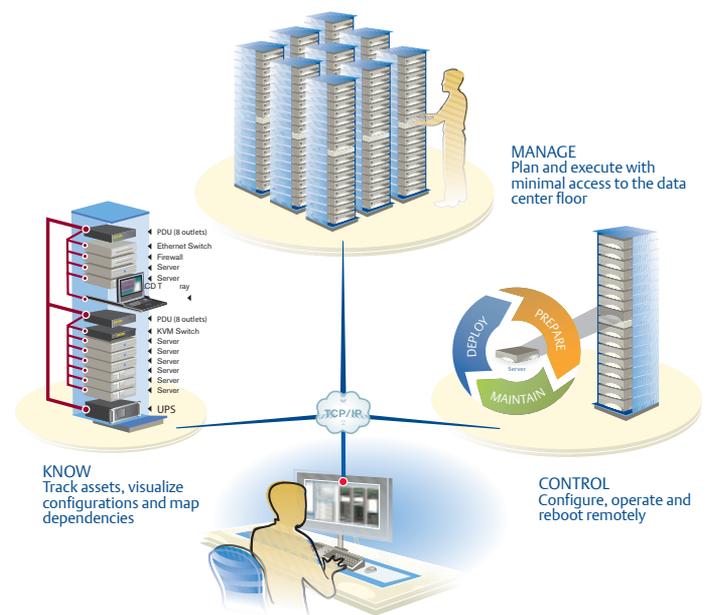
You need a comprehensive solution.

Your life is complicated enough. Why continue to depend on multiple modules and quick fixes?

You need a single, holistic solution capable of providing an all-encompassing view of the detailed information required to effectively manage the entire data center. Anything less will come up short. You need Avocent Data Center Planner.

This comprehensive software solution is a visual infrastructure planning and management tool within Emerson Network Power's strategic framework for data center optimization. Data Center Planner combines accurate and complete information about device and equipment locations, as well as current capacities and projected growth.

Now, with end-to-end device connection visualization and up-to-date power usage information included, Data Center Planner provides the most realistic, current-state view of your physical infrastructure. With Avocent Data Center Planner, you will gain real-world insight to enhance planning accuracy and rapidly implement changes.
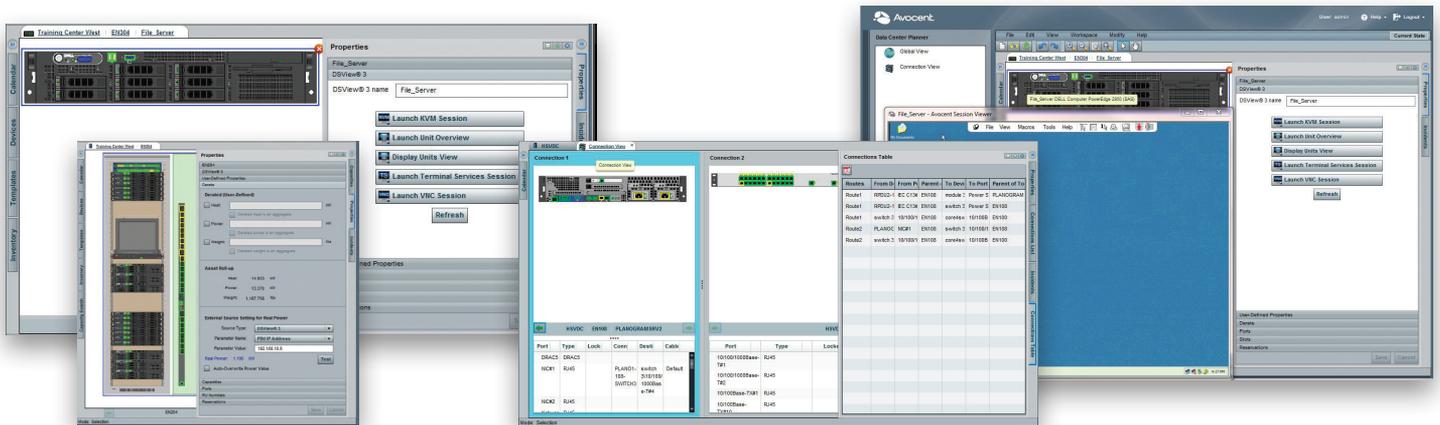

Visualize, Manage and Control

Every time someone enters your data center and accesses a piece of equipment, it creates a new set of risks. Together, DSView™ 4 software and Data Center Planner allow you to remotely plan, manage and control.

The Solution! The New Avocent® Data Center Planner

Delivering real-world visualization, insight and management capabilities

Avocent Data Center Planner provides a comprehensive solution for infrastructure planning and management.

FEATURE	BENEFIT
Inventory management	• Know physical locations and attributes of all equipment in your data center • Search for assets by their characteristics or physical location • Reduce the amount of time required to complete mandatory audits • Decrease unaligned inventory and avoid unnecessary maintenance costs • Securely manage access to plans and racks with fine-grained controls for granting read/write permissions to owners and operators
Configuration management	• Simplify planning and management with a comprehensive model of the data center • Improve communication with a single source of truth for both facilities and IT • Capture, view and update device connections at the most granular level possible with end-to-end visualization that simplifies planning and execution of changes, including expansion of the virtual environment or moves to cloud-based architectures • Reduce mean time to repair (MTTR)
Capacity tracking	• Know the infrastructure capacities and align resources to meet the data center requirements • Right-size the infrastructure and decrease costs associated with over-provisioning and risks associated with under-provisioning
Reporting	• Improve decision-making time and accuracy with comprehensive analytics • Gain detailed insight into infrastructure status and equipment utilization
Intuitive visual interface	• Enhance process efficiency while minimizing system administration • At-a-glance infrastructure status and predictive modeling

A powerful new offering to take you to the next level.

Enjoy unparalled visualization

Innovative graphics are dynamically updated as equipment is installed, decommissioned or moved within the infrastructure. End-to-end connection visualization shows all the connections between any two assets, including intermediate assets. Our device symbol library is rich, including all environmental statistics, nameplate power consumption information, dimensions and weights, plus connection and port information made available by the manufacturer.

DATA CENTER MANAGEMENT	• Know the current state of the data center at a glance • Efficiently manage routine services and branch issues • Reduce the time for connecting devices and quickly locate faults
FACILITIES MANAGEMENT	• Be able to understand planned changes to the data center in real time • Enjoy easy access to asset requirements for quick decisions
IT EXECUTIVE/MANAGEMENT	• Gain clarity through visibility of global operations from a single solution

Plan with confidence

Sophisticated modeling and predictive analysis capabilities, such as what-if scenarios, are easily created using a drag-and-drop interface. The Data Center Planner intuitive interface provides visibility into projects across departments and locations. These project planning features help organizations stay organized while allowing users to see potential impacts of planned changes before they occur, providing for prioritization of activities, while reducing commonly associated risks.

DATA CENTER MANAGEMENT	• Act with confidence when provisioning and decommissioning equipment • Prepare for new implementations • Create detailed asset change/adjustment plans
FACILITIES MANAGEMENT	• Anticipate power and cooling needs • Know that your facility can handle what's expected of it
IT EXECUTIVE/MANAGEMENT	• Accurately anticipate budget needs • Have greater confidence in capacity predictions and expectations

Know your capacity

Unique rack timeline and real-world power usage capabilities offer insights into actual consumption levels and predictions of when and how rack capacities (space, power, cooling) may be impacted. This single solution, with configuration and project planning capabilities, ensures that information is up to date and accurate.

DATA CENTER MANAGEMENT	• Improve planning to lessen impact on facilities and overall infrastructure • Anticipate issues, then avoid or resolve before the business is impacted • Understand real power usage to release trapped or stranded power currently allocated to racks
FACILITIES MANAGEMENT	• Confidently implement installs and device changes without compromising availability
IT EXECUTIVE/MANAGEMENT	• Visualize data center expansion or contraction • Establish and measure consistent metrics across the organization

Know your inventory

Save valuable time with on-demand reporting and centralized, controlled access to assets and plan information. Easily identify the assets that are in production and those that are on the move. The single repository eliminates the need for personnel to conduct labor-intensive audits and update multiple spreadsheets, freeing up resources and improving management efficiency.

DATA CENTER MANAGEMENT	• Save time when looking up asset information • Get rid of outdated, manual inventory processes • Manage roll outs across multiple data centers from a single server with fine-grained access rights
FACILITIES MANAGEMENT	• Get immediate, trustworthy information on device requirements
IT EXECUTIVE/MANAGEMENT	• Increase staff efficiency and reporting accuracy

Share critical data with other departments

Standardized APIs support exchange of data to and from the Data Center Planner software database. Data exchange allows for sharing of critical information across departments to support strategic operations management and planning.

DATA CENTER MANAGEMENT	• Improve service levels and automate processes
FACILITIES MANAGEMENT	• Incorporate the valuable data collected by the facilities management systems to the IT business processes, enabling accurate operational decisions
IT EXECUTIVE/MANAGEMENT	• Eliminate redundant processes and streamline operations • Maintain a comprehensive dashboard with current performance metrics

A powerful way to gain even more insight control.
Integrate with your current management tools.

Out-of-the-box integration with the following:
- Avocent® PDUs
- Liebert™ MPX/MPH
- DSView™ 4 Management Software
- Liebert SiteScan™ Web

Simplify, unify and automate.
Data Center Planner and DSView™ 4 management software seamlessly integrate to provide a single console for managing the data center.

Data Center Planner Software
The system of record for all physical infrastructure equipment in your data center.

Avocent Data Center Planner is designed to be the system of record for the physical equipment in your data center (location, space, rack power, connectivity and network). It connects, monitors and communicates with all IT devices via DSView 4 management software to create a holistic, single view of your operations.

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DSView™ 4 Management Software
Complete data center control through a single interface.

DSView 4 management software enables secure, out-of-band, centralized management of all connected IT and network devices–physical and virtual–in today's often complex and geographically dispersed data centers. When used in conjunction with KVM appliances, serial console appliances, service processor gateways and rack PDUs, the hardware and software combine to allow IT administrators to remotely access, monitor, measure and control target devices on multiple platforms at numerous locations–anywhere, anytime, regardless of the health or status of the operating system or network availability.

How does this help you?
With DSView 4 software integrated into your Data Center Planner install, you'll enable secure, in- and out-of-band, centralized management of all connected IT and network devices. Plus, a rich reporting and controlling interface means you are always on top of what is going on in your data centers, no matter how dispersed.

DATA CENTER MANAGEMENT	• Improve security by reducing the access to the data center floor • Execute decisions and configuration changes without jeopardizing compliance
FACILITIES MANAGEMENT	• Reduce the number of escalations and unplanned outages
IT EXECUTIVE/MANAGEMENT	• Maintain best practices throughout the organization by standardizing and enforcing policies

> **"They say a picture is worth a thousand words,** and Data Center Planner gives us a detailed picture of our infrastructure. As we plan changes, it's critical in helping us avoid the creation of hot spots or overloads in certain areas. It puts a complete data center profile configuration at my fingertips that I can use to rebuild the facility at an alternate site, if needed. In spite of what physical constraints we might have at our site, Avocent Data Center Planner lets us get the most out of our data center facility."
>
> – Matthew Pflugradt, Assistant Vice President of Computer Operations at Commerce Bank

Confidently move ahead.

Knowing that this is just one part of the broad Emerson portfolio.

Emerson Network Power is the only organization that has both the depth and breadth of solutions in asset, power and cooling design and management, as well as embedded server firmware and infrastructure management capabilities on millions of data center appliances worldwide. This combination of resources, experience and technologies makes Emerson Network Power uniquely positioned to help customers bridge the gap between the data center and IT infrastructure layers and enable intelligent optimization and management of the data center infrastructure.

Never before has a single source existed where you can find what you need to handle more with less complexity, all the while controlling costs and understanding and optimizing your overall performance.

Avocent Professional Services *Our experts are ready to make you...experts.*

Avocent Professional Services is ready to help you get the most from your IT infrastructure management investments. Our professionals can assist you through any phase of your IT lifecycle, from planning to implementation, whatever is needed to help you reach that next level of data center management maturity.

Deployment
Free up your IT resources to do what they do best: manage your IT infrastructure. Avocent provides a comprehensive range of deployment services, from on-site to remote, for planned installation of your purchased equipment and extended assistance to optimize your system configuration.

Support
Avocent Professional Services offer updates and upgrades on Avocent software covered by the Avocent Professional Services program. Software maintenance and support is available for one-, two- or three-year periods and includes access to download the latest updates to software and phone support during business hours or options for 24/7 global support.

Training
In-depth training is available with a curriculum focused on best practices and the most effective way to use your Avocent solution.

- *Instructor-Led:* Students receive detailed course guides and experience hands-on lab exercises designed to get the most out of every learning experience. Classes are available at Avocent corporate, selected regional locations or at the customer site.

- *Online - Virtual Classroom:* Our virtual classroom training provides you and fellow students with product and solutions training delivered to your desktop by Avocent instructors. These classes are a combination of virtual lecture sessions and labs performed remotely.

- *Online - Self-paced Training:* We have everything from product overviews and updates to relevant technology training.

Want to see Data Center Planner in action?

We'd be happy to give you a live

demonstration of this exciting new offering.

Visit **www.avocent.com** to find out more.

Emerson Network Power.
The global leader in enabling *Business-Critical Continuity™*.

EmersonNetworkPower.com

▪ AC Power	▪ Embedded Computing	▪ Outside Plant	▪ Racks & Integrated Cabinets
▪ Connectivity	▪ Embedded Power	▪ Power Switching & Controls	▪ Services
▪ DC Power	▪ Infrastructure Management & Monitoring	▪ Precision Cooling	▪ Surge Protection

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