

PANDUIT®

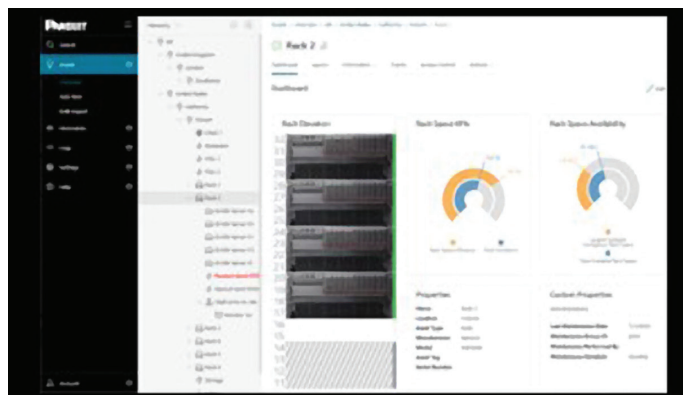
SmartZone™ Cloud

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How efficient is your Data Center?

As data center consolidation, server virtualization, and automation become more widely adopted to increase data center efficiency and agility, the elements of power, cooling, asset utilization, and connectivity become very important factors for operating data centers. This makes physical infrastructure management tools, in conjunction with existing system software management tools, critical to support the changing needs of your data center.

Maintaining real-time monitoring, dashboard visualization, management, and reporting of key attributes across assets, power, cooling, and provisioning, as well as the underlying physical infrastructure, is a vital step in this evolution. Panduit's cloud data center infrastructure management (DCIM) solutions provide accurate, automated, and centralized physical infrastructure visibility to help stakeholders achieve service-oriented goals. These tools, dashboards, and reports enable you to make informed decisions to meet the demanding needs around capacity planning, remote management, and end-to-end service level agreements. This means that real-time information about connectivity, power and asset usage, thermal conditions, cabinet access, and space is now at your fingertips to provide complete data center infrastructure management. Whether you are building a new data center or looking to better manage your existing data center environment, Panduit has a solution – SmartZone™ Cloud.



Why SmartZone™ Cloud?

SmartZone™ Cloud Software is an enterprise web-application hosted in the cloud that combines power and environment monitoring along with cabinet access, asset tracking and connectivity management. It tracks critical infrastructure resources and provides visual representation of a rich set of asset attributes, connectivity, space availability, and power/environment resources, to ensure that your physical infrastructure supports mission-critical applications, and enables effective optimization of your data center's space, power, and cooling resources.

SmartZone™ Cloud Software includes the following capabilities:

Application



Common Uses

- High availability and on-demand scale
- Licensed by floor mounted asset
- Unlimited users and locations
- Create role-based users (multi-tenanted)
- Real-time software updates and upgrades
- Published REST APIs

Benefits

- Flexible and scalable
- Low total-cost of ownership
- Simple and quick to deploy
- Cloud-based and secure

Asset Tracking



Common Uses

- Tracks the status of an asset throughout its lifecycle
- Quickly locates valuable assets via a smart search
- Identifies available space for new equipment deployments
- Views the installed equipment from the graphical map
- Shows the utilized space on floor plan in contrast to the asset location data center floor
- The search feature accurately locates assets within the data center
- Captures and adds asset attributes

Benefits

- Faster move, adds, and changes because of accurate modeling
- Managing data makes central repository available
- Provides asset inventory and tracking
- Users can add asset attributes for robust reporting

Power Monitoring



Common Uses

- Monitor rack and cabinet power load and capacity to find underutilized rack power to place new equipment or consolidate existing equipment
- Monitor IT power chain devices
- View capacity for proper load balancing and discovery of underutilized units, enable consolidation, and realize potential for increasing power load
- Discovers and polls intelligent PDUs and metered IT power chain devices
- Shows available and used rack power capacity
- Set power related capacity and usage thresholds
- Receives warning and critical alert notifications
- Provides rack level PDU historical power trends
- Measurement of real-time power, current, and volt consumption

Benefits

- Reduces downtime risk and cost
- Reduces over provisioning cost
- Enhances MAC and service agility
- Enhances equipment life and efficiency
- Analyzes trends for potential issues

Cabinet Access

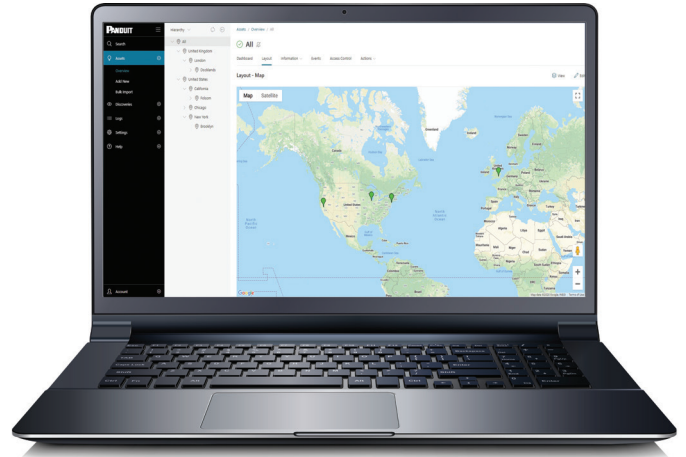


Common Uses

- Monitor front and rear rack doors using G5 iPDUs
- Provides alerts/events on door status and code/card failure
- Displays lock and door status on location tree, floorplan and dashboards; lock and unlock front and rear door remotely via software

Benefits

- Security and regulatory compliance
- Critical event responsiveness
- Reduce downtime risk and cost due to human errors
- Secure equipment and grant access from any location
- Help meet SAS 70, SSAE 16, SOC 2 and SOC 3



Environmental Monitoring



Common Uses

- Monitors rack and cabinet environmental conditions
- Sets thresholds for notifications and alerts to reduce the risk of unplanned downtime and cost implications
- Sets rack inlet temperature, humidity warning, and critical thresholds
- Sets alert notification templates and recipients
- Receives warning and critical alert notifications

Benefits

- Reduces downtime risk and cost
- Analyzes trends for potential issues

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