

Features and Benefits: dcTrack® DCIM Operations Solution



Features
and
Benefits

Solutions	Features	Description	Benefits
Asset Management	Auto Discovery	Allows for automatic recognition and integration into dcTrack asset management system for a newly added asset.	Automatic recognition of make and model of asset makes adding or changing assets a much simpler and less time-consuming process.
	Cloning	Allows for the replication of multiple items, including items they contain. Items include cabinets, Device, Network, Data Panel, UPS, Floor PDU, Power Outlet, Rack PDU, CRAC and Probe class items.	Simplifies rollout of new business services and their associated items.
	Importing and Exporting of Data	<p>Sunbird's DCIM solution uses multiple methods for importing of existing data:</p> <ol style="list-style-type: none"> 1. SNMP discovery 2. Importing of floor objects from drawings 3. Bi-directional Web services API 4. Import wizard using spreadsheets <ul style="list-style-type: none"> ■ Locations ■ Asset Items ■ Data Ports ■ Power Supply Ports ■ Data Connections ■ Power Connections ■ Power Outlet Circuiting 	Quick and easy way to get your system up and running. Easy to migrate from other solutions such as Excel® or other CMDB databases, and electronic connection enables data accuracy.
	Asset Search	All items maintained in Sunbird's DCIM solution are organized in one database and are easily searchable by a web browser. It provides all of the information about the asset including: item type, function, administrator, port location as well as any custom fields unique to a particular device.	Operational efficiency
	Virtual Servers	VM hosts are tracked as any server item, with the exception that there is a "cluster" checkbox and cluster name/number field. Each VM will be created as any server, and will have the VM checkbox selected and "cluster" field filled with the same cluster as its host(s). The ITEMS API can be used to automatically create, update and delete VMs.	Adds flexibility in selecting IT item and adds efficiency.
	Blade and Chassis Asset Management	Will support all chassis and blade configurations including front and back, number of slots, servers, and network, half slot, double slot, and internal connectivity.	Easy to view illustrations provide a clear visual understanding of blade configurations.

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	“Port Ready” Models Library and “My Company Library” tool	Extensive models library includes over 30,000 data center equipment templates. The library is “Port Ready” and allows the customer to display the modules used in their environment for ease of use and standardization. The library is updated approximately once per month. However, users can add to/edit the library to match their specific environment or request updates at techsupport@aritan.com	Prepopulated equipment-related data adds efficiency. Routine updates keeps models library up-to-date for new makes and models of the IT equipment. The pictures of actual equipment add clarity.
	Intelligent Rack Asset Strip	Once the asset tag is connected to the physical IT item in the cabinet, the unique asset ID is registered with the respective installed IT item in the dcTrack consolidated data base. Any changes to the asset tag due to add or remove of a physical IT item will trigger an event in the dcTrack event log. Events are also triggered if the asset tag loses connectivity with the asset management strip controller.	Integration between the data in the dcTrack database and the physical existence of IT items in the data center allows for a more accurate view of what’s in the data center. Information is kept current and up to date, and any moves, adds or changes are indicated via immediate alerts. This can save considerable time and money that is spent on capacity management, audits and frequent visits to the data center as well as help defer or eliminate the need for an expansion.
	Asset Lifecycle Management	Support each step in an asset lifecycle including planning, purchasing, storage, staging, installing and discarding.	Enables full audit trail tracking ensuring all steps are completed and documented.
Capacity Management	User Configurable Dashboard	Colorful gauges, graphs and pie charts provide real-time visualization of health and capacity, including: power, cooling, floor, cabinet, cable and network.	Provides the ability to quickly see the health and how much capacity is used and how much is available for better capacity planning.
	Intelligent Search, Place and Reserve	Provides the ability to locate a cabinet in the data center that is the best fit for the item that should be added. Allows for any other search by make and model or any other particular search criteria. Once space is detected, reservations can be made.	Allows for quick identification of available space, power and network connectivity, which simplifies change management. Provides the ability to plan for future provisioning of IT equipment.



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	Power Management	Sunbird's dcTrack DCIM solution can collect real-time information from any SNMP-enabled device. Integration with Sunbird's Power IQ (PIQ) DCIM Monitoring software adds additional information if needed.	Track real-time power consumption for power efficiency.
	Network Management	Track/trace cable routes from server NIC through the structured cabling to the endpoint switch, tracking which ports of each hop is utilized.	Adds efficiency in network utilization and management.
Connectivity Management	Power Path	Monitors the power path from the main UPS to the device power supply and all points in between. Visualize the full power path, including images of each component and connection point.	End-to-end view of available power improves uptime by preventing a device being added to an outlet that will exceed any breaker threshold in the chain. Allows for better visibility, more efficiency, streamlined costs and maximized ROI.
Change Management	Network Connections	Tracks the physical network layer of Ethernet and Fiber Channel switches. Visualize the full network path, including images of each component and connection point.	Reduces the mean-time-to-repair (MTTR) by accelerating the investigation process for network failures, resulting in cost savings.
	Workflow	Provides the ability to create work orders, approvals and verification to ensure work is done accurately and on time.	Allows for better control over work-order process. Prevents unauthorized changes from being made and keeps data center up to date.
	Web Service API	Allows for easy integration with your existing management systems, such as ticket systems, CMDB, or asset systems. Enables the ability to create and update asset and ticket information.	Enables the electronic transmission of information, eliminating manual entry, thereby increasing data entry efficiency and accuracy.



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Reports	Detailed and High Level Reports	Sunbird's DCIM solution has a full offering of over 100 user configurable dashboard graphical reports including trend charts, bar charts, pie charts and gauges that are viewable and exportable via the web browser. Both standard reports and customer report capabilities are available for executive management, data center managers, and field personnel. Reports include statistics for forecasting and trending, for example the power capacity forecast, capacity gauge, cooling utilization, PUE Trend Chart, Rack Energy and Environmental Trends.	Management reports made easy. Improve uptime with our power supply redundancy report. Inform contacts when you plan to put a PDU in maintenance mode with our connected to report. Understand all the devices connected to an application when you are organizing an application move.
	Smart Cabinet Charts	Preconfigured trending charts for each cabinet. These charts provide trending comparisons for cabinet capacity, utilized budget load and actual load.	Save capital expenditures. Makes it easy to find stranded capacity to defer new cabinet build outs. Know exactly how much capacity you are using and have remaining.
	Smart Rack PDU Charts	Preconfigured trending charts for each Rack PDU. These charts provide trending comparisons Rack PDU inlets, breaker loads, phases and outlets. Allows for easy understanding of redundancy and load balancing across inlets, phases and power supplies.	Efficient use of power resources extends the useful life of your power chain equipment. Improves uptime by ensuring redundancy
	Custom Reports	Custom reports can also be created with third party tools, such as crystal reports using ODBC or the ITEMS API for access to the dcTrack database.	Easy integration allows the user to generate custom reports and analytics.
Visualization	Visualization	Ability to visualize floor space, front/rear rack/row as well as the complete power and network connectivity chain. In addition, there is the ability to visualize AutoCAD® and Visio® floor plan drawings in real time. (Display front and rear elevations with high fidelity images)	Clear dashboards provide a quick and easy way to determine available assets and capacity. An end-to-end view of the data center simplifies troubleshooting and assists with "what if" scenarios.



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	Drawing, Creation and Import	External drawings can be imported to dcTrack's database. Floor objects can be imported with the click of a button.	Easy import of drawings helps in timely changes to the floor
	Cabinet Metrics	Display critical cabinet information, real-time and budgeted power, heat output, weight, items in cabinet, and RUs right from the cabinet elevation page.	Provides for a fast view of capacity and cabinet information.
Full DCIM Solution	Power IQ® Integration	<p>Seamless integration with Power IQ, Sunbird's DCIM Monitoring Software. Adds, moves or changes made using dcTrack change management asynchronously updates Power IQ information. Display collected data as measured data on the GUI and in reports.</p> <p>Supports single or multiple instances of Power IQ DCIM.</p>	<p>Provides a clear picture of available power, energy and environmental trends among all assets. Helps provide accurate information on power usage which can be used to save on energy costs and maintain compliance.</p> <p>Multi-Power IQ provides for consolidated tracking of assets across Power IQ systems and sites</p>
	Mobile App	Access information from anywhere with your choice of smart phone or tablet. Fully supporting Apple and Android. Enables paper-less audit. Allows you to create, read, update and delete items via mobile device. Scan a cabinet bar code and view its full configuration. Identify missing items. Found items, who audited and time stamp of audit.	People efficiency. Anytime, anywhere access. Improves inventory management by enabling paper less audit and updates on the fly.
Full DCIM Solution	LDAP and Active Directory Support	Full authentication management. Automation of user and group synchronization.	People efficiency. Make all user adds, deletes and password updates via LDAP and AD. No need to manually update the changes in the Sunbird DCIM.