

# THE NLYTE 7 SUITE

## PRODUCT BRIEF

### NLYTE 7 DEFINES THE MODERN DCIM SUITE

Given that data centers represent tens of millions of dollars of investment for your organization, with constant asset turnover, while running your critical business applications and pressing up against resource constraints of power, space, and networking, you should demand the solution that literally reflects the industry's needs. Whether you are a CxO or part of an IT, Facilities or Data Center management team, the Nlyte 7 data center infrastructure management (DCIM) suite, defined in part by our extensive client base, can help.

Nlyte counts some of the world's most valued companies, with the most sophisticated data centers, with deployments in the tens of thousands of racks as clients today. Plus, Nlyte is purpose-built software that is fully extensible, scalable, modular, web-based, with the industry's first business intelligence and workflow engines, a web services API for seamless 3rd party integrations, the industry patent on asset allocation and the industry's only contextual content repository with asset relationships.

### CONNECTING I.T. AND DATA CENTER INFRASTRUCTURE

The more holistically you can manage your IT and data center infrastructure, the better you can manage risk and cost. You should demand visibility into what applications are running on which physical, logical and virtual infrastructure and where, which groups are supporting them, and connecting your Moves/Adds/Changes to your ITSM processes.

To do this, Nlyte has a central repository that maintains contextual relationships between data center assets and asset parameters. In conjunction, the Nlyte NgageAPI™ web service – already leveraged by such partners as BMC, HP and Intel – serves as the backbone for ready-integration with CMDB, Help Desk, Change Management/ITSM, Building Management and ERP systems. Thus, Nlyte can provide the ultimate IT and data center visibility for capacity planning, data center migration, consolidation and asset lifecycle management today!

### Nlyte 7 Key Features

- The DCIM industry's only central repository of contextual data center asset information and interrelationships
- Patented automatic selection and execution of optimal asset allocation
- Sophisticated "what if" modeling supported by the industry's first integrated Business Intelligence engine
- Powerful, flexible workflow engine for operational and project management
- Refined data-driven modeling and capacity visualization of data center floors and cabinets
- Extensive asset library with key attributes
- Mapping of asset relationships and dependencies
- Logical, pod, cage and user-defined asset grouping capability
- Complete power and network connection management
- Automated asset reconciliation
- Robust web services API for rapid integration to 3rd party apps
- Off-the-shelf integrations with ITSM frameworks including BMC Remedy, Atrium, ADDM, VMware and HP

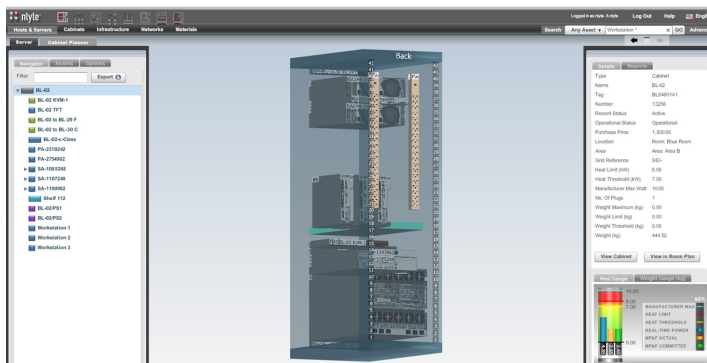
### Nlyte 7 Key Benefits

- Improves data center operational excellence and optimizes the use of its power, cooling, space and assets
- Reduces the cost, time and risk of migrations and consolidations by up to 50%
- Decreases the business risk and expense caused by unplanned downtime and catastrophic failure by up to 50%
- Defers the CapEx for new data center build outs by several years
- Cuts power expense and improves PUE (power usage effectiveness)
- Provides visibility into key performance indicators
- Supports ITIL® and COBIT® best practices
- Quick identification of capacity issues
- Single system of record for data center asset information
- Significantly reduce the cost of executing a technology refresh

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## NLYTE DATACENTER

The Nlyte DataCenter allows you to view and manage all the asset information stored in the Nlyte Content Repository. It works in conjunction with the Nlyte Materials Catalog so that all the data center specific information (size, weight, connections, power, etc.) is automatically added to the database. It also provides access to the Nlyte Cabinet Planner, where data center Move, Add and Change initiatives are modeled before execution.



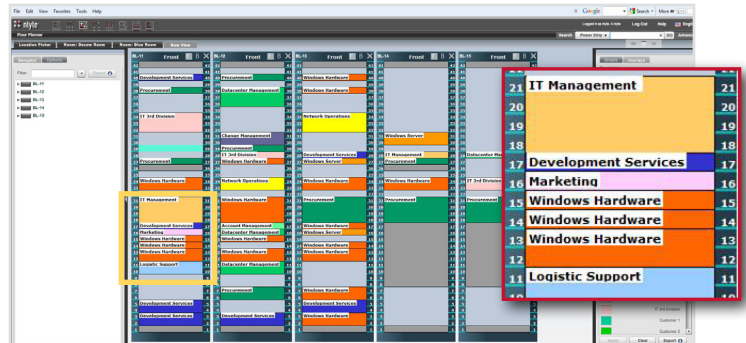
**INTERACTIVE VISUALIZATION OF YOUR CABINET**

### Nlyte DataCenter Key Features

- Models data center Move, Add and Change initiatives before you start moving equipment to ensure you have enough power, cooling and space
- Map the complete power chain from the supplier sub-station's feed, into the data center, through the Uninterruptible Power Supplies (UPSs), Power Distribution Units (PDUs), generators and power strips to the servers
- Models the power of data center devices such as air conditioning units and includes this information into the overall data center power consumption plan
- Models the potential infrastructure and business impact of a power failure to the critical power chain serving the data center and its essential applications
- Manage Power Usage Effectiveness (PUE) by calculating the IT Equipment Power (ITEP) and providing visibility of the Total Facility Power (TFP)
- Allows user defined asset orientation, visibility of rack mounted power strips and their connectivity
- Logical tree navigation with export to Microsoft Excel

### Nlyte DataCenter Key Benefits

- Avoids asset collisions (front & back)
- Optimal asset placement
- Improved service delivery and business responsiveness



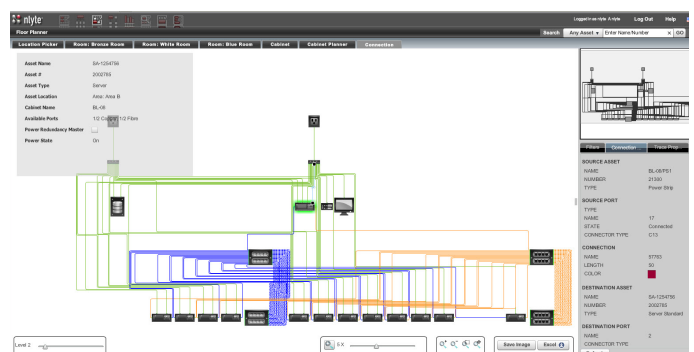
**MULTI-CABINET RESOURCES OVERLAY VISUALIZATION**

## CONNECTION MANAGER

Nlyte offers a powerful, intuitive and highly graphical approach to tracing both your power and data connections within the data center at any level. Get a complete view of your interconnects, at any level of detail, with connect information at the tip of your fingers.

### Nlyte Connection Manager Key Features

- Trace power and data connectivity for all assets
- View connection properties (source port, asset, connection type/detail, destination detail, connection detail)
- Filter your views for Power, Network and Fibre
- Export connectivity data into a Microsoft Excel workbook
- View asset connectivity via circuit endpoint



**POWER AND DATA CONNECTIVITY VISUALIZATION**

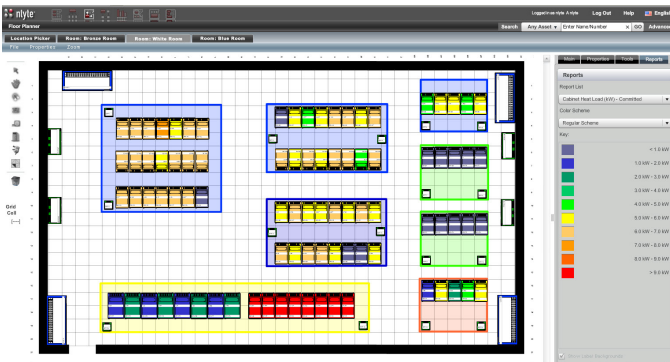
### Nlyte Connection Manager Key Benefits

- Confirm your power redundancies
- Know server restart order for planned or unplanned downtime
- Reduce cabling - trace network connectivity at each step
- Find common connections to avert overloading your power

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## NLYTE FLOOR PLANNER

The Nlyte Floor Planner is a CAD-style graphical interface that enables you to plan and manage the physical layout of the floors and rooms as well as your assets within your data center. Nlyte's graphical presentation of this information makes it easy for you to track the asset chain in order to understand where potential issues exist and how to resolve them.



**FLOOR PLAN WITH RESOURCE VISUALIZATION**

### Nlyte Floor Planner Key Features

- Ability to drag and drop assets onto the floor plan and position them to create the precise room layout you require
- Helps you manage operational issues such as power provision, use of space, heat control and air flow
- Presents a layered representation of all the assets on your data center floor
- Creates individual layers for each asset category such as cabinets, floor standing servers, cage representations, power infrastructure, air conditioning and networks
- Includes real-time ad hoc capacity reports to help identify potential threats and issues.
- Monitors and color codes the different performance thresholds that apply to each device on the appropriate layer

### Nlyte Floor Planner Key Benefits

- Faster hot spot identification
- Optimal asset placement
- Improved service delivery

## NLYTE DASHBOARD & REPORTING

Nlyte Dashboard and Reporting, as part of the Nlyte software solution for data center infrastructure management (DCIM), provides a number of pre-defined dashboards along with the flexibility to create, deploy and maintain user-defined dashboards. Through state-of-the-art data visualization, senior management will gain the critical operational metrics required to manage today's sophisticated data center facilities.



**AT-A-GLANCE BUSINESS MANAGEMENT METRICS**

### Nlyte Dashboard and Reporting Key Features

- Built-in business intelligence reporting and analytics engine
- Pre-defined and user-defined reports
- Automatic report generation and delivery
- Real-time analytics for heat and power metrics (among others)
- Available reports for IT, Facilities, Finance and Executives

### Nlyte Dashboard and Reporting Key Benefits

- Ability to isolate a single point of failure
- If upgrading a UPS, whom to notify and what is affected.
- Faster, automated report delivery
- Easy user-defined reports
- Quicker, chargeback recovery

**Data Center Cabinet Capacity Report**

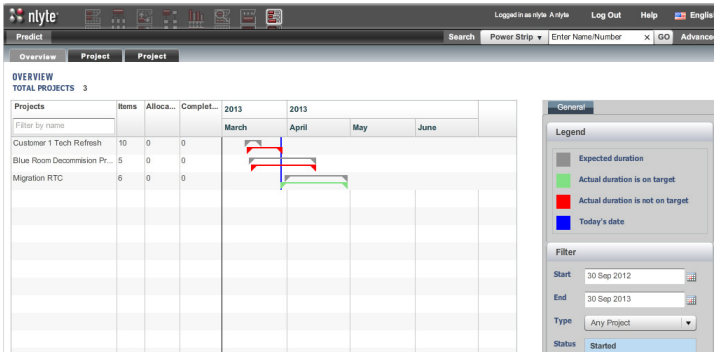
Cabinet Usage	Server Quantity	Cabinet Weight Total (kg)	Cabinet Heat Limit (kW)	Cabinet Heat Threshold (kW)	Cabinet Assets Published Power Consumption (kW)	Cabinet Assets MPAF Power Consumption (kW)	Cabinet Remaining Cooling (kW) vs MPAF
Cabinet 1	47062	10	8	36.4	24.26	24.3	1.1
Cabinet 2	8631	10	8	12.6	8.40	8.1	0.3
Cabinet 3	1055	10	8	0.4	0.29	0.1	0.1

**MANAGEMENT REPORTING FOR DIVERSE AUDIENCES**

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## NLYTE PREDICT - CAPACITY PLAN & FORECAST

Nlyte Predict provides the ability to forecast and predict the future state of your data center's power, space, cooling and network capacity based on "what if" models.



### MANAGE PLANNED PROJECTS

#### Nlyte Predict Key Features

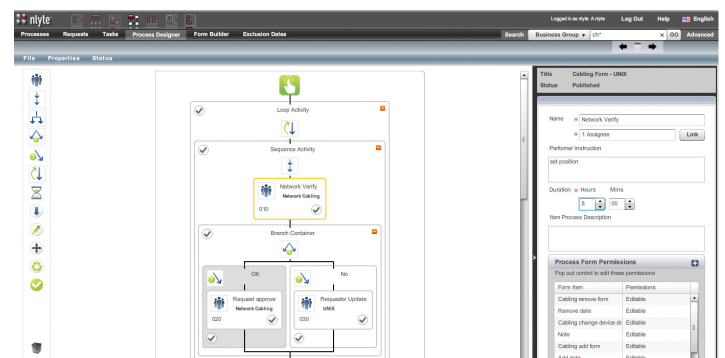
- View the potential impact of the create, move, duplicate and decommission actions in one or more Forecast projects before you make any changes
- Check whether you have sufficient power, cooling, space and network resources to install new assets
- Create forecasted projects specifying your start and end dates, detailed cabinet criteria, asset status (ranging from existing to pre-procurement), location parameters and dependencies on other projects that may need to be completed first
- Investigate the benefits if you were to replace legacy servers with new servers that have virtual hosts
- If the project resources (for example, power strip outlets) are consumed before you commit the project, fix the project
- Edit asset detail and allocation for devices within the scope of a proposed project plan
- Identify resource allocation conflicts during the planning process
- Commit the project, thereby reserving the data center resources before another project can lay claim to them
- Review and complete the asset allocations, and review the project status

#### Nlyte Predict Key Benefits

- Improved capacity planning and project lifecycle management
- Proactive versus reactive data center management
- Accurate data center lifespan prediction – assess when you need additional capacity (and when you don't)

## WORKFLOW MANAGER - ADVANCED PROCESS MANAGEMENT

The Nlyte Workflow Manager (WFM) provides the ability to define and manage the execution of service request processes within the Nlyte 7 data center infrastructure management (DCIM) solution. Nlyte WFM enables the precise alignment of workflow tasks with the specific resources required to execute those tasks which results in dramatic improvements in overall data center operational efficiency.



### DYNAMIC GRAPHICAL WORKFLOW WITH INTEGRATIONS

#### Nlyte Workflow Manager Key Benefits

- Optimizes your resources and personnel with measurable, repeatable intelligent processes tied directly to teams' actual and scheduled/planned availability and workload
- Makes individuals more efficient by providing task focus and progress status
- Supports cross team assignment for tasks shared by multiple teams, for example, day and night shifts
- Directly generates instructions for task performers with detailed visual work orders for all data center asset types
- Extends the adoption of ITIL and COBIT into the data center without any additional development or services

#### Nlyte Workflow Manager Key Features

- Operates stand-alone or tightly integrated with pre-existing ticketing system (e.g. BMC Remedy, HP Service Desk) and other workflow applications for bi-directional information flow
- Easy, intuitive GUI helps rapidly build and define workflows and services
- Associate and link any asset to a workflow task and/or a process
- Individualized Tasks Tab with organized and prioritized work items, as well as viewed status
- View and download work orders right from the workflow, right at each graphical process step

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## NLYTE INTELLIGENT ASSET ALLOCATION

Create and manage Auto Allocation projects with Nlyte's patented Intelligent Asset Placement, which allows you to use the Auto Allocate system to bulk move up to 100 standard servers and chassis to datacenter cabinets. Only Nlyte has the patent on intelligently placing your assets in the data center using a number of parameters – not just mere suggestions and lists of possibilities. Plus, in order to execute, you simply press “Commit” the change – no further work needed on your part.

## NLYTE ORGANIZER

The Nlyte Organizer allows you to create and report upon the relationships between your data center resources and the business groups within your organization. You can manage ownership, support and contact information for all data center assets, business applications and software data.

### Nlyte Organizer Key Benefits

- Improved service delivery
- Improved Mean-Time-To-Repair (MTTR)
- Mitigates risk from outages
- Adds critical asset interrelations

## NLYTE BARCODE - PORTABLE ASSET MANAGEMENT

Nlyte Barcode is a comprehensive barcode scanning solution purpose-built for Nlyte's DCIM suite that supports portable on-line or off-line tracking and management of physical assets throughout their lifecycle in the data center.

### Nlyte Barcode Key Features

- Security and Logging
- Goods in (Receiving, existing Nlyte assets)
- Asset Audit (Validating audit data real time)
- Chassis Audit
- Cabinet Audit
- Reporting

### Nlyte Barcode Key Benefits

- Extending the Nlyte functionality into your data center using inventory tools
- Regain lost productivity previously spent looking for assets
- Avoid data issues due to non-Nlyte auditing systems
- Greatly reduce the time to install equipment
- Capture changes to the data center in a user-friendly manner that improves data accuracy and reliability
- Update the Nlyte Central Repository asset information in real-time as changes occur
- Improve your financial management of your IT assets by getting an accurate reflection of your asset inventory

## NLYTE BULK DATA MANAGER

The Nlyte Bulk Data Manager (BDM) enables you to get your asset data out of ad hoc solutions, such as spreadsheets and Visio diagrams, and loaded quickly at a minimal cost, to populate the Nlyte Central Repository and keep it up-to-date.

### Nlyte BDM Key Features

- Rich set of asset data categories
- Provides load, update, insert, delete and filter data capabilities
- Maintains data integrity with the Nlyte Reconciliation web service

### Nlyte BDM Key Benefits

- Accurate life cycle management
- Reduced audit time
- Faster DCIM implementation and time to value

## NLYTE CONNECTORS FOR DISCOVERY

To obtain a single source of the truth, each Nlyte connector for discovery provides the ability to take scan results of the data center network from a discovery product and reconcile them with the existing records in the Nlyte Central Repository via the Nlyte Reconciliation web service.

### Nlyte Connectors for Discovery Key Features

- Automatically reconciles discovered networked devices within the data center (hardware and virtual)
- Reconciles physical and virtual device properties
- Automatically populates the Nlyte Content Repository
- Compares the properties of discovered assets to assets in the Nlyte system

### Nlyte Connectors for Discovery Key Benefits

- Easier reconciliation of existing physical assets
- Exception reporting on non-compliant assets helps:
  - Identify improper & out-of-synch processes
  - Improve security by detecting rogue devices
  - Reduce risk by detecting misplaced devices that could otherwise bring down your network
  - Improve adoption of proper data center practices
- Brings Audit and Compliance value to Nlyte for:
  - ITIL and Sarbanes-Oxley (SOX)
  - Warranty tracking and Software licenses
- Gain confidence that the asset library for your data center matches exactly what is on the network
- Enhances asset life cycle management by tracking the changes Nlyte is executing
- Leasing, purchase & retirement tracking

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## NLYTE NgageAPI - WEB SERVICES

The Nlyte NgageAPI™ is a rich web-based interface that enables a wide variety of third-parties to be quickly integrated to the core Nlyte Data Center Infrastructure Management (DCIM) solution using standard web programming approaches. Nlyte's NgageAPI interface has resulted in a library of off-the-shelf integrations to a wide-variety of third party solutions, available for use by new or existing customers. Whereas the competition may articulate how easy third-party integration is using general purpose protocols, it is a library of proven integrations that truly separate a solution from an engineering project.

Because the NgageAPI is a web-based data service, it is scalable and well-behaved across corporate networks. The NgageAPI is a highly specialized purpose-built web service, employing today's predominant web service design model. Today, the NgageAPI enables a variety of integration modules and is used, for example, directly by Nlyte's own Nlyte Bulk Allocation Manager and Nlyte Integrator.



## NLYTE INTEGRATOR - MONITORS ASSETS

The Nlyte Integrator, a general purpose NgageAPI-based connector, enables a variety of integration options specifically for connecting devices and integrating applications with the Nlyte DCIM suite. Its design easily supports integration plug-ins to provide an interface to intelligent power strips, PDUs, environmental sensors, and other data center infrastructure asset data managed in Nlyte.

## NLYTE DCIM - INTEL DCM INTEGRATION



Nlyte DCM is Nlyte's latest real-time monitoring solution based upon Intel Data Center Manager technology. By licensing Intel's real time monitoring and data collection technology, the Nlyte DCIM suite gains immediate support for hundreds of the latest models of IT gear via this module. Intel is constantly expanding its library of supported devices with every release, and as such, clients purchasing Nlyte DCM will stand to benefit that much more.

## NLYTE PRODUCT SUITE

**Nlyte 7**

DataCenter, Connection Manager, Floor Planner, Process Management and Control, Capacity Planning and Forecasting, Automated Asset Reconciliation, Basic Reporting, Foundational BI Representation, Bulk Data Manager, Organizer, NgageAPI web services, Integrator

## OPTIONS AND CONNECTORS

<b>Nlyte Barcode</b>	Robust Portable Asset Management	<b>Nlyte Asset Sync for HP UCMDB</b>	Bidirectional CI sharing
<b>Nlyte DCM</b>	Intel DCM and integration with Nlyte	<b>HP Insight Control Connector</b>	Rack and Power Planning
<b>BMC ADDM Connector</b>	Automated Asset Discovery & Reconciliation	<b>VMware vCenter Server Connector</b>	Physical and Virtualized Resource Management
<b>BMC Remedy Connector</b>	Workflow Process Management & Communication	<b>Microsoft Hyper-V Connector</b>	Physical and Virtualized Resource Management
<b>BMC Atrium CMDB Connector</b>	Asset Information Sharing	<b>Citrix XenServer Connector</b>	Physical and Virtualized Resource Management

## ABOUT NLYTE SOFTWARE

Nlyte Software is the world's leading software company focused on planning, managing and optimizing data centers. Nlyte Software enables enterprises to extend IT management software to include the physical layer with the logical and virtual layers of the data center, maximizing the financial benefits from the optimized utilization of assets, space and power. Nlyte's proven platform is used in the data centers of some of the largest and most valued companies in the world.

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