nlyte. Software

Defining the Modern DCIM Suite

PRODUCT BRIEF

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 database 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 centralized Performance Management Database (PMDB) 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, ServiceNow 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, asset lifecycle management, data center migrations and consolidations as well as audit and compliance!

Nlyte 7 Key Features

- The DCIM industry's only centralized Performance Management Database of contextual data center asset information and interrelationships
- Patented asset placement optimization
- Sophisticated "what if" modeling supported by the industry's first integrated Business Intelligence engine
- Powerful, flexible workflow engine for daily operational and long-term asset lifecycle management
- Refined data-driven modeling and capacity visualization of data center assets, space and power
- Smart Blueprints™ technology that preserves and replicates your own design elements for fast model provisioning
- Extensive device library with manufacturers' specifications
- Mapping of asset relationships and dependencies
- Asset grouping by business function or physical location
- Complete power and network connection management
- Off-the-shelf integrations with BMC, HP, ServiceNow, VMware, Microsoft and Citrix
- Robust web services API for rapid integration to 3rd party apps

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
- Decreases the business risk and expense caused by unplanned downtime due to human error
- Defers the CapEx for new data center build outs by identifying stranded resources
- Manages power expense and improves PUE
- Provides visibility into key business metrics
- Helps you establish best practices consistent with ITIL initiatives
- Improves business decision-making via long-term capacity planning capabilities
- Significantly reduce the cost of executing a technology refresh

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ASSET MANAGEMENT

Nlyte allows you to view and manage all the asset information stored in our Performance Management Database (PMDB). 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 PMDB. Nlyte enbles you to model your data center move, add and change initiatives before you execute them.

INTERACTIVE VISUALIZATION OF YOUR CABINET

Nlyte Asset Management Key Features

- Model 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
- Model the power of data center devices such as air conditioning units and includes this information into the overall data center power consumption plan
- Model 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)
- Allow user defined asset orientation, visibility of rack mounted power strips and their connectivity
- Logical tree navigation with export to Microsoft Excel

Nlyte Asset Management Key Benefits

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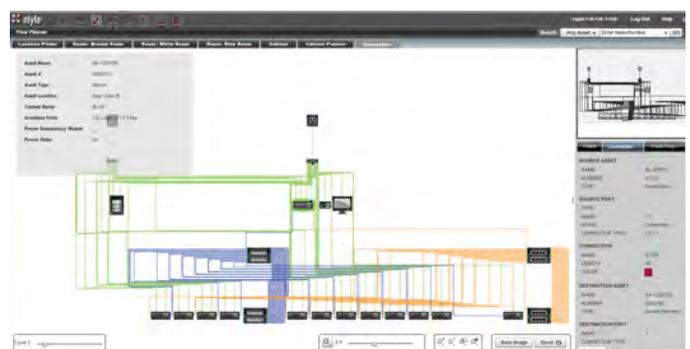- Improved service delivery and business responsiveness

MULTI-CABINET RESOURCES OVERLAY VISUALIZATION

CONNECTION MANAGEMENT

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 Management 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

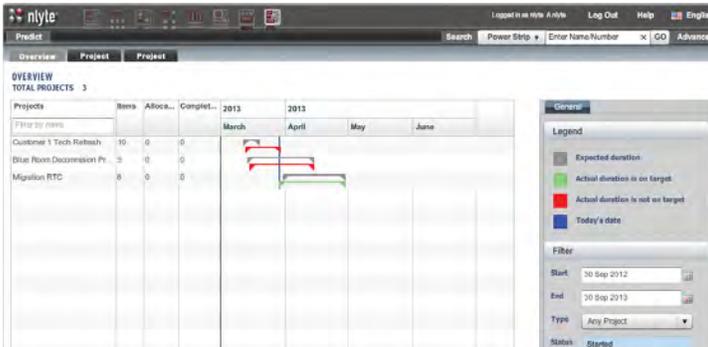

POWER AND DATA CONNECTIVITY VISUALIZATION

Nlyte Connection Management 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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FLOOR PLANNING

Nlyte has 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 Planning 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 Planning Key Benefits

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

DASHBOARD & REPORTING

Nlyte provides a number of predefined dashboards and reports with the flexibility to create, deploy and maintain your own. Through state-of-the-art data visualization, both data center personnel and 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

MANAGEMENT REPORTING FOR DIVERSE AUDIENCES

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CAPACITY PLANNING

Nlyte's capacity planning capabilities allows you 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 Capacity Planning 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 Capacity Planning 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 MANAGEMENT

Nlyte provides the ability to define and manage the execution of service request processes within the Nlyte data center infrastructure management (DCIM) solution. Nlyte 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 Management 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 Management 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

NLYTE MOBILE AUDIT

Nlyte Mobile Audit 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 Mobile Audit Key Features

- Barcode-enabled quick Audit to scan-in data avoids manual entry, reduces human error and saves time
- Streamlined modern UI purpose built for tablet devices
- Fast and easy to navigate
- Security and Logging - who's done what
- Validate audit data real time for Assets, Cabinets & Chassis
- Reporting

Nlyte Mobile Audit 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 Performance Management Database 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

INTELLIGENT ASSET ALLOCATION

Create and manage projects with Nlyte's patented Intelligent Asset Placement, which allows you 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 simple press a button to commit the change – no further work needed on your part.

ORGANIZE

Nlyte 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.

Key Benefits

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

NLYTE ITSM CONNECTORS

Nlyte has off-the-shelf CMDB, Change Management and Virtualization connectors pre-built to leverage your existing IT investments. Extend your IT management to the physical infrastructure level on the Data Center floor.

Nlyte Asset Sync Connectors for CMDBs Key Benefits:

- Automatic synchronization across both systems
- Enriches capacity planning by linking physical capacity to computing capacity
- Improves compliancy by knowing where assets are, who worked on them last, and what was done
- Gain a federated view, one version of the truth for Configuration Item attributes

Nlyte Change Management Connectors Key Benefits:

- Save time and effort while lowering risk as two otherwise disparate change request systems (one in the data center and one in IT) can be coordinated as one
- Enable faster moves, adds and changes by allowing preplanning for asset lifecycle management: asset procurement stages can now be connected to the deployment process
- Reduce audit time as moves, adds and changes become tightly managed

Nlyte Virtualization Connectors Key Benefits:

- Reduced complexity and cost of managing a virtualized data center with changes automatically migrated
- Clear identification of Guests & Hosts during outages and support to assure that affected applications have contingency plans
- Reduces risk during moves, adds and decommissions by showing the higher level instances that may be affected by hardware changes

BULK DATA MANAGEMENT

Nlyte 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 Performance Management Database and keep it up-to-date.

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

Key Benefits

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

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NLYTE NgageAPI – WEB SERVICES

The Nlyte NgageAPI™ is a rich web-based interface that enables third-party solutions to be quickly integrated to the core Nlyte Data Center Infrastructure Management (DCIM) solution using standard web programming approaches.

Because the NgageAPI is a web-based data service, it is scalable and well-behaved across corporate networks, employing today's predominant web service design model. Today, the NgageAPI enables an array of functionality in the Nlyte product line from Auto Allocation to numerous connectors.

NLYTE SMART BLUEPRINTS

Nlyte Smart Blueprints is a technology that allows users of the Nlyte DCIM system to store design elements ranging from as small to a server or rack upto an entire data center. Equipment, configurations and connections for network and power can be stored and replicated – all for rapid design while leveraging existing best practices for any number of use cases.

NLYTE INTEGRATOR - ASSET MONITORING

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 SERVER ENERGY MANAGEMENT (SEM)

Nlyte SEM, based on the Intel DCM technology, provides highly granular real-time power and temperature readings at the server level. These readings are fed directly into the Nlyte model, and can be used for both real-time monitoring as well as trend analysis. Nlyte SEM supports all modern enterprise-class servers.

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Asset Management, Connection Management, Floor Planning, Workflow Management, Capacity Planning, Dashboard & Reporting, Bulk Data Management, Organize, NgageAPI web services, Integrator, Smart Blueprints

OPTIONS

Nlyte Mobile Audit	Robust Portable Asset Management	**Nlyte SEM**	Server energy management via Intel DCM

CONNECTORS

CMDB/Discovery
for bi-directional configuration item (CI) / asset information sharing and reconciliation:

• Nlyte BMC Atrium CMDB Connector
• Nlyte BMC ADDM Connector
• Nlyte Asset Sync for HP UCMDB
• Nlyte Asset Sync for ServiceNow Configuration Management

Change Management
for workflow process management and communication:

• Nlyte Change Management Connector for BMC Remedy
• Nlyte Change Management Connector for HP Service Manager

Asset Management
• Nlyte Connector for RF Code Asset Manager - real-time asset location synchronization

Virtualization Hypervisors
for simplifying the management of physical and virtualized resources:

• Nlyte Virtualization Connector for Citrix
• Nlyte Virtualization Connector for Microsoft
• Nlyte Virtualization Connector for VMware

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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