NLYTE CONNECTOR

Nlyte Virtualization Connector

for VMWARE

Nlyte Software

SOLUTION BRIEF

SIMPLIFY THE MANAGEMENT OF PHYSICAL AND VIRTUALIZED RESOURCES

Virtualization is driving higher and higher server utilization in today's data centers and while compute capacity is being checked, rack power and cooling capacities are not – exposing your data enter to needless shut down risk. Data centers are already highly complex and difficult to manage and virtualization just adds a layer to this complexity. Fortunately, Nlyte has the Virtualization Connector for VMware that connects with the VMware® vCenter Server™, VMware® ESX® and VMware® ESXi™ hypervisors to help manage this complexity while mitigating your risk.

The Nlyte Virtualization Connector leverages the Nlyte API web services interface to enable users to manage their IT infrastructure more dynamically than ever. The connector provides automatic discovery and monitoring of each hypervisor's virtual machines, with a single view across all physical and virtual servers and machines. In addition, application relationship changes that occur in each hypervisor are automatically updated in Nlyte. The automation that takes place continuously in the background brings more value and visibility to business groups and support teams, across the virtual assets, which could affect the application running. With direct integration between Nlyte and VMware vCenter Server, VMware ESX, and VMware ESXi, your visibility is extended across both physical and virtual resources.

KEY BENEFITS

*   **Reduced complexity and cost** of managing a virtualized data center. Changes migrate automatically and continuously.
*   **Increased control and optimization o**f both physical and virtual resources, no need to use multiple management systems and manual and time-consuming processes to coordinate the views.
*   **Clear identification of Guests & Hosts d**uring outages and support to assure that affected applications have contingency plans.
*   **Reduces risk during move, adds and decommissions** by showing the higher level instances that may be affected by hardware changes.
*   **Reduced MTTR** by quickly determining the rack location of the physical server the virtual machine and/or it's host is running on.

FEATURES

- Single view across all physical and virtual servers and machines, including racks, rows and pods.

- Automatic discovery and monitoring of virtual machines. Monitoring of hypervisors to identify a range of Virtual Machine events updates Nlyte accordingly. These operating events are continuously monitored and included in the Nlyte system.

- Gives up-to-date information during application relationship changes in the hypervisor: they are automatically updated in Nlyte.

- Provides dashboards and reports on the relationships between both physical and virtual resources and the business groups within an organization.

- Ability to connect Clusters and Hosts for each configured data center.

- Off-the-shelf, optional connector allows simple deployment across the entire enterprise.

Real-Time Integrated View

- Automatic addition to Nlyte (as Host records are linked to a Server asset).

- Nlyte can automatically show the Virtual Host Information: Cluster, VM Name, VM IP address, CPU allocated and Memory allocated.

- Nlyte host records are:
    - Created / updated by the hypervisor(s)
    - Linked to organizational units
    - Mapped to server and power

- Virtual Machine updates for a server asset:
    - Nlyte host records get created for each VM
    - Multiple VM hosts are possible for a physical server asset
    - Updated automatically by the hypervisor(s)
    - Can identify VM to its physical location

Manual View

Nlyte can manually model virtual machines as host records with its own attributes and can be moved between assets to model for future growth. Virtual Machines manual data imports:

- Connect Microsoft Excel to Nlyte's API interface
- Manual upload hosts to physical server asset data
- Edit associated physical relationships

Virtual Machines updated to a server asset

Visibility between the physical Host and all Guest operating instances in real-time:

- Nlyte host records created for each VM
- Multiple VM hosts on a physical server asset
- Identify VM to physical location

Virtual Machines – Nlyte Host Records

Nlyte treats Virtual Machines much in the same way as physical machines with operating parameters and asset details:

- Host record created / updated by the hypervisor
- Host record linked to organizational units
- Host record mapped to server and power

About Nlyte Software

Nlyte Software helps teams manage their hybrid infrastructure throughout their entire organization from desktops, networks, and servers to IoT devices – across facilities, data centers, co-location, edge, and the cloud. Using Nlyte's monitoring, management, inventory, workflow, and analytics capabilities, organizations can automate their hybrid infrastructure to reduce costs, improve uptime, and help comply with regulatory and organizational policies

Nlyte Software is a part of Carrier Global Corporation.

When you're ready to optimize your critical infrastructure, We're ready to help.

Nlyte® Software

1150 Roberts Boulevard, Kennesaw, Georgia 30144, United States of America
732-395-6920 • Fax 732-395-6930 | nlyte.com | A Carrier Company