NLYTE®
CONNECTOR

NLYTE VIRTUALIZATION
CONNECTOR FOR VMWARE®

Nlyte Software

SOLUTION BRIEF

Virtualization continues to increase server utilization in modern data centers, but it also adds complexity to an already intricate system. As compute capacity is monitored, the power and cooling requirements of server racks often go unchecked, potentially leading to unnecessary shutdown risks. Nlyte's Virtualization Connector for VMware addresses this issue by integrating with VMware® vCenter Server™, VMware® ESX® and VMware® ESXi™ hypervisors, simplifying management and reducing risk.

Utilizing Nlyte API web services, the Nlyte Virtualization Connector empowers users to dynamically manage their IT infrastructure. It offers automatic discovery and monitoring of virtual machines on each hypervisor, providing a unified view of both physical and virtual servers. Furthermore, Nlyte automatically updates application relationship changes occurring within the hypervisors. This ongoing automation grants increased value and visibility to business groups and support teams across virtual assets, which may impact the applications in operation.

By directly integrating Nlyte with VMware vCenter Server, VMware ESX, and VMware ESXi, users gain an expanded view across physical and virtual resources, streamlining management and enhancing overall system efficiency.

THE NLYTE ADVANTAGE

- **Streamlined management of virtualized data centers**, resulting in lower complexity and cost, with automatic and continuous migration of changes.

- **Enhanced control and optimization of both physical and virtual resources**, eliminating the need for multiple management systems and time-consuming manual processes to synchronize views.

- **Easy identification of Guests and Hosts during outages**, ensuring affected applications have contingency plans in place.

- **Minimized risk during moves, additions, and decommissions** by displaying higher-level instances potentially impacted by hardware changes.

- **Decreased Mean Time to Repair (MTTR)** by rapidly locating the rack position of the physical server hosting the virtual machine or its host.

Virtual Machine 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

- Updated automatically by the hypervisor

- Identify VM to physical location

- **Unified view** of all physical and virtual servers, machines, racks, rows, and pods for simplified management.
- **Automatic discovery and monitoring** of virtual machines, with continuous tracking and integration of various Virtual Machine events into the Nlyte system.
- **Real-time updates** during application relationship changes in hypervisors, automatically reflected in the Nlyte system.
- C**omprehensive dashboards and reports** illustrating the connections between physical and virtual resources and their corresponding business groups within an organization.
- **Capability to link Clusters and Hosts** for each designated data center.
- **Easy deployment** across the entire enterprise with an off-the-shelf, optional connector.

BENEFITS OF REAL-TIME INTEGRATED VIEW

- **Automatic addition to Nlyte**
  Host records are linked to a Server asset
- **Nlyte system 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:**
  - Multiple VM hosts are possible for a physical server asset
  - Updated automatically by the hypervisor(s)
  - Can identify VM to its physical location

BENEFITS OF 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

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

Virtual Machine – Nlyte Host Record

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

PREREQUISITES

- Nlyte Virtualization Connector for VMware   NLYTE-VMWARE
- Nlyte 12.5 or higher

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