

CONNECT

Connect enables IT organizations to marry information about the virtual environment with the information about the physical server environment. Connect provides the conduit to get vital statistics from the virtual environment to a third party management interface. Connect monitors the virtual servers to allow for quick problem identification, notification and correction, while providing tasks to automate and perform routine operations.

Challenges

Today's IT infrastructure is very complex, consisting of both physical servers and leading-edge virtualization platforms, all of which must operate efficiently to deliver an integrated platform for business applications.

IT customers are very demanding. Instant response is expected in order to maintain peak productivity of internal customers, and maintain positive business relations with external customers. The inability to pro-actively detect, respond to and repair system infrastructure issues can result in serious financial consequences for your business.

Managing a complex environment, while keeping focused on serving the greater business needs, is no easy task. Data Centers are presented with enormous amounts of information, which has to be analyzed in order to find the meaningful events that require attention, or correlated in order to determine the root cause of a set of circumstances.

Additionally, virtualization brings another level of complexity to the IT infrastructure. In order to reap the full benefits of virtualization, the dynamic environment needs to be effectively managed using a well-integrated solution.

Benefits

Connect is a complementary addition to any infrastructure management solution. Connect allows organizations to manage a diverse data center environment by providing a scalable and comprehensive event collection, performance

analysis and reporting tool for the virtual environment.

Connect helps provide IT organizations with the knowledge to reduce the complexity associated with managing today's virtual environments and lowering the cost of operations. By delivering operational knowledge, Connect helps simplify the identification of issues, streamline the process of determining the root cause of the problem, and facilitate quick resolution to restore services while preventing potential IT problems.

Connect utilizes sensor technology to monitor over twenty data points on the host server and fifteen metrics from each virtual machine. The data that Connect provides is invaluable to any IT organization trying to reduce the cost of operations.

KEY FEATURES

- Populate Microsoft Operations Manager with virtual environment components
- Communicate ESX host server and virtual machine status information
- Forward key virtual machine metrics to Microsoft Operation Manager
- Integrate ESX host server and virtual machine performance data



Features and Capabilities

- *Intelligent Discovery* - Populate Microsoft Operations Manager (MOM) with the virtual environment components, including the ESX host servers and virtual machines that run on each of the ESX hosts.
- *Data Availability* - Connect utilizes store and forward delivery of the status between Connect and MOM to handle network outages.
- *Simplified Administration* - Connect forwards the key virtual machine statistics to MOM so IT administrators can quickly view the virtual machine share allocations, Capacity value, CPU, disk and memory utilization.
- *System Capacity Value* - Connect utilizes patent pending algorithms to correlate system metrics in order to compute a unique host server and virtual machine capacity value.
- *Architecture Scalability* - Connect scales to fit virtually any enterprise and integrates with other Virtugo products to provide unparalleled, cohesive management and optimization of the virtualized environment.

Sample Data Points Collected

- Vcapacity* - A single unit value that shows the percentage of available resources for each ESX Server and VM's
- CPS* - CPU Ready Time
- AVB* - Available Bytes
- BWD* - Throughput of all the NICs on the ESX Server
- CBP* - Committed Bytes in Use
- CBU* - Committed Bytes
- CP1* - Current VM CPU utilization as reported by VMware
- CCS* - Current CPU shares allocated to a VM
- CPU* - CPU Usage
- DS* - Current disk shares allocated to a VM
- LAT* - Latency of reading the local sensors
- CMS* - Current number of memory shares allocated to a VM

