

**Solution: VMware**

**Description:** The Longitude VMware solution proactively monitors key VMware performance metrics to ensure that your environment is running optimally, and alerts you when there is a problem. Longitude also consolidates VMware alarms and generates reports of physical and virtual resource utilization.

Rule	Description
HighCPUUsage	Checks for high CPU usage on a host
VMHighCPUUsage	Checks for high CPU usage on a virtual machine
ClusterHighCPUUsage	Checks for high CPU usage on a cluster
HighIORate	Checks for high IO rate on a host
VMHighIORate	Checks for high IO rate on a virtual machine
LowFreeSpace	Checks for low free space on a datastore
HighMemoryUsage	Checks for high memory usage on a host
VMHighMemoryUsage	Checks for high memory usage on a virtual machine
HighNetworkPackets	Checks for high network packet transmission rate on a NIC of a host
VMHighNetworkPackets	Checks for high network packet transmission rate on a NIC of a virtual machine
ClusterVMOP	Checks for a high number of migrations with Storage VMotion in a cluster
DatacenterVMOP	Checks for a high number of migrations with Storage VMotion in a datacenter
VMwareAlarms	Checks for state changes in any alarms defined in VMware or VCenter

Report Type	Groupings Available	Data Shown
CPU Summary	Cluster, Guest, Host, Processor, Resource Pool	Summary data for % of available CPU and MHz Used; additional fields for Resource Pools include MHz Reservation, MHz Maximum, Expandable status and Association
CPU Detail	Cluster, Guest, Host, Processor, Resource Pool	Hourly data for % of available CPU and MHz Used; additional fields for Resource Pools include MHz Reservation, MHz Maximum, Expandable status and Association
Disk Summary	Guest, Host	Summary data for Read rate and Write rate

Report Type	Groupings Available	Data Shown
Disk Detail	Guest, Host	Hourly data for Read rate and Write rate
File Usage Summary	Datastore, Guest	Summary data for Disk Files Used, Delta Files Used, Swap Files Used, Other Files Used
File Usage Detail	Datastore, Guest	Hourly data for Disk Files Used, Delta Files Used, Swap Files Used, Other Files Used
Memory Summary	Cluster, Guest, Host, Resource Pool	Summary data for Memory KB and % Used; additional fields for Resource Pools include Memory Reservation, Memory Maximum, Expandable Status and Association
Memory Detail	Cluster, Guest, Host, Resource Pool	Hourly data for Memory KB and % Used; additional fields for Resource Pools include Memory Reservation, Memory Maximum, Expandable Status and Association
Migration Summary	Cluster, Datacenter	Summary data for Migrations with VMotion, Migrations with Storage VMotion
Migration Detail	Cluster, Datacenter	Hourly data for Migrations with VMotion, Migrations with Storage VMotion
Network Summary	Guest, Host	Summary data for each Network Interface, including Receive rate and Transmit rate
Network Detail	Guest, Host	Hourly data for each Network Interface, including Receive rate and Transmit rate
Storage Summary	Datastore, Guest	Summary data for Total Used, Provisioned, and Capacity for Datastore, and Committed and Uncommitted for Guest
Storage Detail	Datastore, Guest	Hourly data for Total Used, Provisioned, and Capacity for Datastore, and Committed and Uncommitted for Guest



165 Bay State Drive  
 Braintree, MA 02184  
 Telephone: 781-848-1701  
[info@heroix.com](mailto:info@heroix.com)

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