



HP Virtualization Performance Viewer

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Linux operating system

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Chapter 1: Introduction

HP Virtualization Performance Viewer (HP vPV) is a web-based tool that helps you monitor the resources in virtualized and cloud environment. HP vPV helps you visualize performance data for elements in the context of each other to rapidly analyze bottlenecks. For more information on HP vPV, visit the HP vPV home page at <http://www.hp.com/go/vpv>.

Chapter 2: Metrics

This chapter provides information on metrics. HP vPV provides a parameter or a set of parameters called Metrics¹ that you can use to monitor and measure the health, performance, and availability of a monitored resource.

HP vPV provides Performance Graphing that helps you to visualize the monitored data in a graphical or tabular format. A drawn graph consists of data points available for the selected metrics. A metric class is a set of related metrics grouped together based on the type of data the metric reports.

vPV provides the following types of metrics:

- [KVM](#)
- [Xen](#)
- [OpenStack](#)
- [vCenter Host](#)
- [vCenter Guest](#)
- [vCenter Datacenter](#)
- [vCenter Cluster](#)
- [vCenter Datastore](#)
- [vCenter Respool](#)
- [vCenter VirtualApp](#)
- [vCenter BYVM Storage](#)
- [Hyper-V Host](#)
- [Hyper-V Guest](#)
- [Hyper-V Cluster](#)
- [Hyper-V Datastore](#)
- [Hyper-V BYVM Storage](#)
- [Hyper-V Hostgroup](#)

¹A metric is a measurement that gives an indication of the operational health and performance of a resource.

- [Hyper-V Nodes](#)
- [Physical Server](#)
- [AWS](#)
- [OneView](#)

KVM

Entity Type	Metric Name	Description
Host	BelongsToDatacenter	For a host, this is the Fully Qualified Domain Name.
	CPUClockSpeed	For a host, this is the clock speed of the CPUs, in MHz, if all of the processors have the same clock speed.
	CPUCycleEntlMax	For a host, this value indicates the maximum processor capacity, in MHz, configured for the entity.
	CPUCycleEntlMin	For a host, this value indicates the minimum processor capacity, in MHz, configured for the entity.
	CPUCycleTotalUsed	For a host, this value is the total time the physical or logical CPUs were utilized per second during the interval, represented in CPU cycles.
	CPUMTEnabled	For a host, this metric indicates whether the CPU hardware threads are enabled or not.
	CPUPhysSysModeUtil	For a host, this metric indicates the percentage of time the physical CPUs were in system mode during the interval for the host or logical system.
	CPUPhysTotalTime	For a host, this value indicates the time spent, in seconds, on the physical CPU.

Entity Type	Metric Name	Description
	CPUPhysTotalUtil	For a host, the value indicates percentage of total time the physical CPUs were utilized by the host or logical system.
	CPUPhysUserModeUtil	For a host, the metric indicates the percentage of time the physical CPUs were in user mode during the interval for the host or logical system.
	CPUReservedCapacity	For a host, this metric indicates the amount of physical memory, which is shared by all the powered on Virtual Machines.
	CPUSysModeUtil	For a host, this metric indicates the percentage of time the CPU was in system mode during the interval.
	CPUTotalUtil	For a host, the value indicates the percentage of total time physical CPUs were not idle during the interval.
	CPUUnreserved	For a host, this is the number of CPU cycles that are available for creating a new logical system.
	CPUUserModeUtil	For a host, this metric indicates the percentage of time the CPU was in user mode during the interval.
	DiskDeviceLatency	For a host, this metric indicates the average amount of time to complete a SCSI command from physical device.
	DiskKernelLatency	For a host, this metric indicates the average amount of time spent by VMKernel to process each SCSI command.
	DiskPhysIOByte	For a host, this metric indicates the number of KBs transferred to and from the disks during the interval.
	DiskPhysIOByteRate	For a host, this metric indicates the average rate at which the data is transferred to and from the disks during the interval, in KBps.

Entity Type	Metric Name	Description
	DiskPhysReadByteRate	For a host, this metric indicates the rate at which the data is transferred from the disks during the interval, in KBps.
	DiskPhysReadRate	For a host, this metric indicates the number of physical reads per second during the interval.
	DiskPhysWrite	For a host, this metric indicates the number of physical writes during the interval.
	DiskPhysWriteByteRate	For a host, this metric indicates the rate at which the data is transferred to the disks during the interval, in KBps.
	DiskPhysWriteRate	For a host, this metric indicates the number of physical writes per second during the interval.
	DiskQueueLatency	For a host, this metric indicates the average amount of time spent in the VMKernel queue by each SCSI command.
	DiskUtil	For a host, this is the average percentage of time during the interval (average utilization) that all the disks had I/O in progress.
	DiskUtilPeak	For a host, this is the utilization of the busiest disk during the interval.
	IPAddress	For a host, this metric indicates the IP Address for the host or the logical system.
	LSID	For a host, this metric is the unique identifier for a host and a logical system.
	LSMode	For a host, the value is Capped and for a logical system the vale is Uncapped.
	LSName	For a host, this metric is the unique identifier for host and logical system.

Entity Type	Metric Name	Description
	LSShared	For a host, the value is Dedicated and for a logical system the value is Shared.
	MemAvail	For a host, this metric indicates the amount of physical memory available in the host system, in MBs unless otherwise specified.
	MemEntl	For a host, the value is the physical memory available in the system, in MB.
	MemEntlMax	For a host, this metric indicates the maximum amount of memory configured for a logical system.
	MemEntlMin	For a host, this metric indicates the reserved amount of memory configured for a host or a logical system.
	MemEntlUtil	For a host, the value indicates the percentage of entitled memory in use during the interval.
	MemFree	For a host, this is the amount of memory not allocated.
	MemGranted	For a host, this metric indicates the amount of host physical memory mapped to it.
	MemHeap	For a host, this metric indicates the virtual address space dedicated to VMKernel main heap.
	MemHeapFree	For a host, this metric indicates the free address space in the VMKernel main heap.
	MemOverallHealth	For a host, this is a number that indicates the state of the memory. Low number indicates system is not under memory pressure. 0 - High, indicates free memory is available and no memory pressure. 1 - Soft, 2 - Hard, 3 - Low indicates there is a pressure for free memory.

Entity Type	Metric Name	Description
	MemOverhead	For a host, this is the amount of memory associated that is currently consumed on the host system due to virtualization.
	MemPhys	For a host, the value indicates the physical memory available in the system, in MB.
	MemPhysUtil	For a host, this is the percentage of physical memory used during the interval.
	MemSharedCommon	For a host, this metric indicates the amount of physical memory, which is shared by all the powered on Virtual Machines.
	MemSwapped	For a host, this metric indicates the amount of memory that has been transparently swapped to and from the disk.
	MemSysUtil	For a host, this is the amount of physical memory used by the system during the interval.
	MemUnreserved	For a host, this is the amount of memory that is unreserved.
	MemUsed	For a host, this is the total memory used in the interval, in MB.
	NetInPacket	For a host, this is the number of successful packets received for all network interfaces during the interval.
	NetInPacketRate	For a host, this is the number of successful packets per second received for all network interfaces during the interval.
	NetOutPacket	For a host, this is the number of successful packets sent for all network interfaces during the interval.

Entity Type	Metric Name	Description
	NetOutPacketRate	For a host, this is the number of successful packets sent through all network interfaces over the cumulative collection time. Successful packets are those that have been processed without errors or collisions. This does not include data for loopback interface.
	NetPacketRate	For a host, this is the number of successful packets per second, both sent and received, for all network interfaces during the interval.
	NumActiveguests	For a host, this indicates the number of logical systems hosted in a system that are active.
	NumCPU	For a host, this indicates the number of physical processors available.
	NumCPUCore	For a host, this metric provides the total number of CPU cores on the system.
	NumCPUSocket	For a host, this metric indicates the number of physical CPU sockets on the system.
	NumDisk	For a host or logical system, this indicates the number of disks configured for the host or logical system. Only local disk devices and optical devices present on the system are counted in this metric.
	Numguests	For a host, this indicates the number of logical systems hosted in the system.
	ParentType	For a host, this value is KVM.
	SystemhostName	For a host, this metric is the Fully Qualified Domain Name.
	SystemID	For a host, this indicates the UUID of the host or logical system. This ID uniquely identifies this entity.

Entity Type	Metric Name	Description
	SystemMachineModel	For a host, this is the CPU model of the host system.
	SystemName	For a host, this metric indicates the display name of the host or logical system.
	SystemOSName	For a host, the metric indicates the name of operating system.
	SystemOSType	For a host, this metric can have the following values for host and logical system: ESX/ESXi followed by version or ESX-Serv (applicable only for a host) Linux, Windows, Solaris, or Unknown.
	SystemPath	For a host, the metric indicates the installation path for host or logical system.
	SystemRole	For a host the value is host.
	SystemState	For a host, this metric can have one of the following states for a host: On, Off, or Unknown.
	SystemUptimeHours	For a host, this metric is the time, in hours, since the last system reboot.
	SystemUptimeSeconds	For a host, this metric is the time, in seconds, since the last system reboot.
	SystemVirtType	For a host, the value of this metric is KVM.
	VCIPAddress	For a host, the metric indicates the IP address of the Virtual Centre that the host is managed by.
	vMotionEnabled	For a host, this metric indicates whether vMotion is enabled or not.
Guest	BelongsToDatacenter	For a logical system, this is the FQDN of the host.

Entity Type	Metric Name	Description
	ConnectionState	For logical systems, this indicates whether or not the entity is available for management. It can have values as - Connected, Disconnected, or NotResponding.
	CPUClockSpeed	For a logical system, this is the clock speed of the CPUs, in MHz, if all of the processors have the same clock speed.
	CPUCycleEntlMax	For a logical system, this value indicates the maximum processor capacity, in MHz, configured for the entity.
	CPUCycleEntlMin	For a logical system, this value indicates the minimum processor capacity, in MHz, configured for the entity.
	CPUCycleTotalUsed	For a logical system, this is the total time the physical or logical CPUs were utilized per second during the interval, represented in CPU cycles.
	CPUDemandUsed	For a logical system, this metric indicates the amount of CPU resources the logical system would use, in MHz, if there is no CPU contention or CPU limit. For a host, this value is same as CPUCycleTotalUsed.
	CPUEntlMax	For a logical system, this metrics indicates the maximum CPU units configured for it.
	CPUEntlMin	For a logical system, this metrics indicates the guaranteed minimum CPU units configured for it.
	CPUEntlUtil	For a guest, this metric indicates the percentage of entitled processing units (guaranteed processing units allocated to this logical system) consumed by it.

Entity Type	Metric Name	Description
	CPUPhysTotalTime	For a guest, this value indicates the time spent on the physical CPU, in seconds.
	CPUPhysTotalUtil	For a logical system, this value indicates percentage of total time the physical CPUs were utilized by the host or logical system.
	CPUTotalUtil	For a logical system, the value indicates the percentage of total time logical CPUs were not idle during the interval.
	DiskPhysIOByteRate	For a logical system, this metric indicates the average rate at which the data is transferred to and from the disks during the interval, in KBps.
	DiskPhysReadByteRate	For a logical system, this metric indicates the rate at which the data is transferred from the disks during the interval, in KBps.
	MacAddress	For a guest, this contains comma separated mac addresses.
	MemActive	For a logical system it is the amount of memory, in MB, that is actively being used.
	MemEntl	For a logical system, the value is the total memory configured, in MB.
	MemEntlUtil	For a logical system, the value indicates the percentage of entitled memory in use during the interval.
	MemPhys	For a logical system, the value indicates the total memory configured, in MB.
	MemPhysUtil	For a logical system, this is the percentage of physical memory used during the interval.
	MemUsed	For a logical system, this is the total memory used in the interval, in MB.

Entity Type	Metric Name	Description
	NetInByte	For a logical system, this is the number of bytes received during the interval, in MB.
	NetInPacket	For a logical system, this is the number of successful packets received for all network interfaces during the interval.
	NetOutByte	For a logical system, this is the number of bytes transmitted during the interval, in MB.
	NetOutPacket	For a logical system, this is the number of successful packets sent for all network interfaces during the interval.
	NumCPU	For a logical system, this is the number of virtual CPUs configured.
	NumDisk	For a logical system, this indicates the number of disks configured for the host or logical system. Only local disk devices and optical devices present on the system are counted in this metric.
	NumNetif	For a logical system, the value is the number of network interfaces configured.
	ParentType	For a logical system, this value is HOST.
	ParentUUID	For a logical system, this metric indicates the UUID of its host.
	SystemhosthostName	For a logical system, this is the FQDN of the host on which it is hosted.
	SystemhostName	For a logical system, this metric is the Fully Qualified Domain Name.
	SystemID	For a logical system, this indicates the UUID of the host or logical system. This ID uniquely identifies this entity.

Entity Type	Metric Name	Description
	SystemName	For a logical system, this metric indicates the display name of the host or logical system.
	SystemRole	For a logical system the value is guest.
	SystemState	The values for a logical system can be one of the following: Running, Blocked, Paused, Shutdown, Shutoff, Nostate, Crashed, or Unknown.
	SystemVirtType	For a logical system, the value of this metric is KVM.
Datastore	Capacity	For a datastore, this value is the total available capacity, in MB.
	DiskProvisioned	For a datastore, this value is the total space provisioned for the logical systems, in MB.
	DiskUsed	For a datastore, this value is the total space used, in MB.
	ParentType	For a datastore, the value is HOST.
	ParentUUID	For a datastore, this metric indicates the UUID of its host.
	SystemID	For a datastore, this indicates the UUID of the datastore. This ID uniquely identifies this entity.
	SystemName	For a datastore, this metric indicates the display name of the datastore.
	SystemRole	For a datastore, the value is DATASTORE.
	SystemVirtType	For a datastore, the value is KVM.

Entity Type	Metric Name	Description
BYVM Storage	DatastoreID	The UUID of the datastore.
	DatastoreName	The name of the datastore.
	DiskProvisioned	The total space provisioned for the systems on the datastore, in MB.
	DiskUsed	The total space used, in MB.
	DiskVMDKUsed	The total space used, in MB.
	ParentType	The value is DATASTORE.
	ParentUUID	The UUID of the datastore.
	SystemID	For a datastore, this indicates the UUID of the host or logical system. This ID uniquely identifies this entity.
	SystemName	For a datastore, this metric indicates the display name of the host or logical system.
	SystemRole	For a Host, the value is HOST. For a logical system, the value is GUEST.
SystemVirtType	The value is KVM.	

Xen

Entity Type	Metric Name	Description
Host	BelongsToDatacenter	For a host, this metric indicates the name of the datacenter to which this machine belongs.
	ConnectionState	For a host, this metric is the current status of the connection.
	CPUClockSpeed	For a host, this is the clock speed of the CPUs, in MHz, if all of the processors have the same clock speed.
	CPUCycleEntlMax	For a host, this value indicates the maximum processor capacity, in MHz, configured for the entity.

Entity Type	Metric Name	Description
	CPUCycleEntlMin	For a host, this value indicates the minimum processor capacity, in MHz, configured for the entity.
	CPUCycleTotalUsed	For a host, this is the total time the physical CPUs were utilized during the interval, represented in CPU cycles.
	CPUMTEnabled	For a host, this metric indicates whether the CPU hardware threads are enabled or not.
	CPUPhysSysModeUtil	For a host, this metric indicates the percentage of time the physical CPUs were in system mode during the interval for the host or logical system.
	CPUPhysTotalUtil	For a host, this value indicates the percentage of total time the physical CPUs were utilized by logical system.
	CPUPhysUserModeUtil	For a host, this metric indicates the percentage of time the physical CPUs were in user mode during the interval for the host or logical system.
	CPUReservedCapacity	For a host, this metric indicates the amount of physical memory, which is shared by all the powered-on Virtual Machines.
	CPU SysModeUtil	For a host, this metric indicates the percentage of time the CPU was in system mode during the interval.
	CPUTotalUtil	For a host, this metric is same as CPU_PHYS_TOTAL_UTIL.
	CPUUnreserved	For a host, this is the number of CPU cycles that are available for creating a new logical system.
	CPUUserModeUtil	For a host, this metric indicates the percentage of time the CPU was in user mode during the interval.
	DiskDeviceLatency	For a host, this metric indicates the average amount of time to complete a SCSI command from physical device.
	DiskKernelLatency	For a host, this metric indicates the average amount of time spent by VMKernel to process each SCSI command.
	DiskPhysIOByte	For a host, this metric indicates the number of KBs transferred to and from the disks during the interval.

Entity Type	Metric Name	Description
	DiskPhysIOByteRate	For a host, this metric indicates the average number of KBs per second at which data was transferred to and from disks during the interval.
	DiskPhysRead	For a host, this metric indicates the number of physical reads during the interval.
	DiskPhysReadByteRate	For a host, this metric indicates the average number of KBs per second at which data was transferred from disks during the interval.
	DiskPhysReadRate	For a host, this metric indicates the number of physical reads per second during the interval.
	DiskPhysWrite	For a host, this metric indicates the number of physical writes during the interval.
	DiskPhysWriteByteRate	For a host, this metric indicates the average number of KBs per second at which data was transferred to disks during the interval.
	DiskPhysWriteRate	For a host, this metric indicates the number of physical writes per second during the interval.
	DiskQueueLatency	For a host, this metric indicates the average amount of time spent in the VMKernel queue by each SCSI command.
	DiskUtil	For a host, this is the average percentage of time during the interval (average utilization) that all the disks had I/O in progress.
	DiskUtilPeak	For a host, this is the utilization of the busiest disk during the interval.
	IPAddress	For a host, this metric indicates the IP address for a host and a logical system.
	LSID	For a host, this metric is the unique identifier for a host and a logical system. The value of this metric may change for an instance across collection intervals.
	LSMode	For a host, the value is Capped; for a logical system, the value is Uncapped.
	LSName	For a host, this metric is the unique identifier for host and logical system.

Entity Type	Metric Name	Description
	LSShared	For a host, the value is Dedicated; for a logical system, the value is Shared.
	MemAvail	For a host, this metric indicates the amount of physical memory available in the host system, in MBs, unless otherwise specified.
	MemEntl	For a host, this value is the physical memory available in the system and for a logical system this metric indicates the minimum memory configured.
	MemEntlMax	For a logical system, this metric indicates the maximum amount of memory configured. For a host, the value is the amount of physical memory available in the system.
	MemEntlMin	For a host, this metric indicates the reserved amount of memory configured for a host or a logical system.
	MemEntlUtil	For a host, this value indicates the percentage of entitled memory in use during the interval by it.
	MemFree	For a host, this is the amount of memory not allocated.
	MemFreeUtil	For a host, this metric indicates the percentage of memory that is free at the end of the interval.
	MemGranted	For a host, this metric indicates the amount of host physical memory mapped to it.
	MemHeap	For a host, this metric indicates the virtual address space dedicated to VMKernel main heap.
	MemHeapFree	For a host, this metric indicates the free address space in the VMKernel main heap.
	MemOverallHealth	For a host, this is a number that indicates the state of the memory. Low number indicates system is not under memory pressure. 0 - High, indicates free memory is available and no memory pressure. 1 - Soft, 2 - Hard, 3 - Low indicates there is a pressure for free memory.
	MemPhys	For a host, the value is the physical memory available in the system and for a logical system this metric indicates the minimum memory configured.

Entity Type	Metric Name	Description
	MemPhysUtil	For a host, this metric indicates the percentage of physical memory used during the interval.
	MemSharedCommon	For a host, this metric indicates the amount of physical memory, which is shared by all the powered-on Virtual Machines.
	MemSwapped	For a host, this metric indicates the amount of memory that has been transparently swapped to and from the disk.
	MemSysUtil	For a host, this is the amount of physical memory used by the system during the interval.
	MemUnreserved	For a host, this is the amount of memory that is unreserved.
	NetByteRate	For a host, this is the sum of the data transmitted and received for all the NIC instances of the host and virtual machine. It is represented in KBps.
	NetInByte	For a host, this is the number of bytes, in MB, received during the interval. For host and guest, $(\text{net.received from Performance Manager service} * \text{INTERVAL}) / 1024$.
	NetInPacket	For a host, this is the number of successful packets received for all network interfaces during the interval.
	NetInPacketRate	For a host, this is the number of successful packets per second received for all network interfaces during the interval.
	NetOutByte	For a host, this is the number of bytes, in MB, transmitted during the interval.
	NetOutPacket	For a host, this is the number of successful packets sent for all network interfaces during the interval.
	NetOutPacketRate	For a host, this metric indicates the number of successful packets sent through all network interfaces over the cumulative collection time. Successful packets are those that have been processed without errors or collisions. This does not include data for loopback interface.
	NetPacketRate	For a host, this is the number of successful packets per second both sent and received for all network interfaces during the interval.

Entity Type	Metric Name	Description
	NumActiveguests	For a host, this indicates the number of logical systems hosted in a system that are active.
	NumCPUCore	For a host, this metric provides the total number of CPU cores on the system.
	NumCPUSocket	For a host, this metric indicates the number of physical CPU sockets on the system.
	Numguests	For a host, this indicates the number of logical systems hosted in a system.
	NumNetif	For a host, this metric is the number of network adapters on the host.
	ParentUUID	For a host, this metric indicates the UUID appended to display_name of the parent entity.
	SystemhostName	For a host and logical system, this metric is the Fully Qualified Domain Name.
	SystemMachineModel	For a host, this is the CPU model of the host system.
	SystemName	For a host, this metric indicates the name of the host or logical system.
	SystemOSName	For a host, this metric indicates the name of operating system.
	SystemOSType	For a host, this metric can have the following values for host and logical system: ESX/ESXi followed by version or ESX-Serv (applicable only for a host) Linux, Windows, Solaris, or Unknown.
	SystemPath	For a host, this metric indicates the installation path for host or logical system.
	SystemRole	For a host, this metric is host.
	SystemState	For a host, this metric can have one of the following states for a host: On, Off, or Unknown.
	SystemUptimeHours	For a host, this metric is the time, in hours, since the last system reboot.
	SystemUptimeSeconds	For a host, this metric is the time, in seconds, since the last system reboot.
	SystemVirtType	For a host, the value of this metric is XEN.

Entity Type	Metric Name	Description
	VCIPAddress	For a host, the metric indicates the IP address of the Virtual Centre that the host is managed by.
	vMotionEnabled	For a host, this metric indicates whether vMotion is enabled or not.
Guest	BelongsToDatacenter	For a logical system, this metric indicates the name of the datacenter to which this machine belongs.
	ConnectionState	For logical systems, this indicates whether or not the entity is available for management. It can have values as - Connected, Disconnected, or NotResponding.
	CPUClockSpeed	For a logical system, this is the clock speed of the CPUs, in MHz, if all of the processors have the same clock speed.
	CPUCoStopTime	For a guest, this metric indicates the time the Virtual Machine is ready to run but is unable to run due to co-scheduling constraints.
	CPUCycleEntlMax	For a logical system, this value indicates the maximum processor capacity, in MHz, configured for the entity.
	CPUCycleEntlMin	For a logical system, this value indicates the minimum processor capacity, in MHz, configured for the entity.
	CPUCycleTotalUsed	For a logical system, this is the total time the physical CPUs were utilized during the interval represented in CPU cycles.
	CPUDemandUsed	For a guest, this metric indicates the amount of CPU resources (MHz) a virtual machine would use if there were no CPU contention or CPU limit.
	CPUEntlMax	For a host, this metric is equivalent to total number of cores on the host. For a logical system, this metric indicates the maximum CPU units configured for it.
	CPUEntlMin	For a logical system, this metric indicates the guaranteed minimum CPU units configured for it.
CPUEntlUtil	For a logical system, this metric indicates the percentage of entitled processing units (guaranteed processing units allocated to this logical system) consumed.	

Entity Type	Metric Name	Description
	CPUIdeTime	For a guest, this metric indicates the total time that the CPU spent in an idle state.
	CPUIdeUtil	For a guest, this metric indicates the percentage of time that the CPU spent in an idle state.
	CPUPhyscUtil	For a logical system, this metric indicates the number of CPU units utilized.
	CPUPhysReadyUtil	For a logical system, this is the percentage of time during the interval that the CPU was in ready state.
	CPUPhysTotalTime	For a logical system, the value indicates the time spent, in seconds, on the physical CPU by logical system or host.
	CPUPhysWaitUtil	For a logical system, this is the percentage of time during the interval that the virtual CPU was waiting for the I/Os to complete.
	CPUReadyTime	For a guest, this metric indicates the time for which the virtual machine was ready but could not get scheduled to run on the physical CPU.
	CPUSharesPrio	For a logical system, this metric indicates the weightage or priority assigned to an Uncapped logical system. This value determines the minimum share of unutilized processing units that this logical system can utilize.
	CPUSysModeUtil	For a logical system, this metric indicates the percentage of time the CPU was in system mode during the interval.
	CPUTotalUtil	For a logical system the value indicates percentage of total time the logical CPUs were not idle during the interval. For a host, this metric is same as CPU_PHYS_TOTAL_UTIL.
	CPUUsedTime	For a guest, this metric indicates the total time for which the CPU was used.
	CPUUserModeUtil	For a logical system, this metric indicates the percentage of time the CPU was in user mode during the interval.
	CPUWaitTime	For a guest, this metric indicates the total time that the CPU spent in wait state.

Entity Type	Metric Name	Description
	DiskCommandAbortRate	For a logical system, this metric indicates the Disk Command Abort Rate.
	DiskPhysIOByte	For a logical system, this metric indicates the number of KBs transferred to and from disks during the interval.
	DiskPhysIOByteRate	For a logical system, this metric indicates the average number of KBs per second at which data was transferred to and from disks during the interval.
	DiskPhysRead	For a logical system, this metric indicates the number of physical reads during the interval.
	DiskPhysReadByteRate	For a host and a logical system, this metric indicates the average number of KBs per second at which data was transferred from disks during the interval.
	DiskPhysReadRate	For a logical system, this metric indicates the number of physical reads per second during the interval.
	DiskPhysWrite	For a logical system, this metric indicates the number of physical writes during the interval.
	DiskPhysWriteByteRate	For a logical system, this metric indicates the average number of KBs per second at which data was transferred to disks during the interval.
	DiskPhysWriteRate	For a logical system, this metric indicates the number of physical writes per second during the interval.
	DiskQueueDepthPeak	For a logical system, this metric indicates the disk queue depth.
	DiskReadLatency	For a logical system, this metric indicates the total disk read latency.
	DiskWriteLatency	For a logical system, this metric indicates the total disk write latency.
	GuestToolsStatus	For a guest, this metric is the current status of guest Integration Tools in the guest operating system if known.
	MemActive	For a logical system, this is the amount of memory that is actively used.

Entity Type	Metric Name	Description
	MemBalloonTarget	For a guest, this metric indicates the amount of memory, which is set by VMKernel for ballooning.
	MemBalloonUsed	For a logical system, this is the amount of memory held by memory control for ballooning. The value is represented in KB.
	MemBalloonUtil	For a logical system, this is the amount of memory held by memory control for ballooning. It is represented as a percentage of MEM_ENTL.
	MemEntl	For a logical system, this metric indicates the minimum memory configured.
	MemEntlMax	For a logical system, this metric indicates the maximum amount of memory configured for a logical system. For a host, the value is the amount of physical memory available in the system.
	MemEntlUtil	For a logical system, the value indicates percentage of entitled memory in use during the interval by it.
	MemFree	For a logical system, this is the amount of memory not allocated.
	MemFreeUtil	For a logical system, this metric indicates the percentage of memory that is free at the end of the interval.
	MemGranted	For a logical system, this metric indicates the amount of host physical memory mapped to it.
	MemOverhead	For a logical system, this metric indicates the amount of memory associated that is currently consumed on the host system due to virtualization.
	MemPhys	For a logical system, this metric indicates the minimum memory configured.
	MemPhysUtil	For a logical system, this metric indicates the percentage of physical memory used during the interval.
	MemShared	For a guest, this metric indicates amount of shared memory with other virtual machines.
	MemSharesPrio	For a logical system, this metric indicates the weightage or priority for memory assigned. This value influences the share of unutilized physical memory that this logical system can utilize.

Entity Type	Metric Name	Description
	MemSwapIn	For a logical system, this value indicates the amount of memory that is swapped in during the interval.
	MemSwapOut	For a logical system, the value indicates the amount of memory that is swapped out during the interval.
	MemSwapped	For a logical system, this metric indicates the amount of memory that has been transparently swapped to and from the disk.
	MemSwapTarget	For a logical system, the value indicates the amount of memory that can be swapped.
	MemSwapUtil	For a logical system, this is the percentage of swap memory utilized w.r.t the amount of swap memory available for a logical system.
	MemUsed	For a logical system, this metric indicates the amount of memory used at the end of the interval.
	NetByteRate	For a logical system, this is the sum of data transmitted and received for all the NIC instances of the host and virtual machine. It is represented in KBps.
	NetInByte	For a logical system, this is the number of bytes, in MB, received during the interval. For host and guest, (net.received from Performance Manager service * INTERVAL) / 1024.
	NetInByteRate	For a guest, this metric indicates the input bytes per second over the network.
	NetInPacket	For a logical system, this is the number of successful packets received for all network interfaces during the interval.
	NetInPacketRate	For a logical system, this is the number of successful packets per second received for all network interfaces during the interval.
	NetOutByte	For a logical system, this is the number of bytes, in MB, transmitted during the interval.
	NetOutByteRate	For a guest, this metric indicates the output bytes per second over the network.

Entity Type	Metric Name	Description
	NetOutPacket	For a host and logical system, this is the number of successful packets sent for all network interfaces during the interval.
	NetOutPacketRate	For a host and a logical system, this metric indicates the number of successful packets sent through all network interfaces over the cumulative collection time. Successful packets are those that have been processed without errors or collisions. This does not include data for loopback interface.
	NetPacketRate	For a logical system, this is the number of successful packets per second both sent and received for all network interfaces during the interval.
	NumCPU	For a logical system, this metric indicates the number of virtual CPUs configured.
	NumDisk	For a logical system, this metric indicates the number of disks configured. Only local disk devices and optical devices present on the system are counted in this metric.
	NumNetif	For a logical system, the metric is the number of network interfaces configured for the logical system.
	NumSnapshots	For a guest, this metric is the number of snapshots created for the system.
	ParentType	For a logical system, the metric indicates the type of parent entity. The value is host if the parent is a host.
	ParentUUID	For a logical system, this metric could indicate the UUID appended to display_name of a host as they can be created under a host.
	StateChangeTime	For a guest, this metric is the epoch time when the last state change was observed.
	SystemhosthostName	For a logical system, this is the FQDN of the host on which they are hosted.
	SystemhostName	For logical system, the metric is the Fully Qualified Domain Name.
	SystemID	For a logical system, this metric indicates the UUID. This ID uniquely identifies this logical system across multiple hosts.

Entity Type	Metric Name	Description
	SystemRole	For a logical system, the value is guest.
	SystemState	For a logical system, the values can be one of the following: On, Off, Suspended, or Unknown.
	SystemUptimeHours	For a logical system the metric is the time, in hours, since the last system reboot.
	SystemUptimeSeconds	For a logical system, the metric is the time, in seconds, since the last system reboot.
	vmVersion	For a guest, this metric indicates the version of the Virtual Machine.

OpenStack

Entity Type	Metric Name	Description
Host	ConnectionState	For a host, this metric is the current status of the connection.
	CPUArch	For a host, this metric indicates the CPU architecture.
	CPUClockSpeed	For a host, this is the clock speed of the CPUs, in MHz, if all of the processors have the same clock speed.
	CPUCycleTotalUsed	For a host, this is the total time the physical CPUs were utilized during the interval represented in CPU cycles.
	CPUPhysTotalUtil	For a host, this value indicates the percentage of total time the physical CPUs were utilized by logical system.
	CPUTotalUtil	For a host, this metric is same as CPU_PHYS_TOTAL_UTIL.
	CPUVendor	For a host, this metric indicates the CPU vendor.
	DiskPhysRead	For a host, this metric indicates the number of physical reads during the interval.
	DiskPhysWrite	For a host, this metric indicates the number of physical writes during the interval.

Entity Type	Metric Name	Description
	DiskSize	For a host, this metric indicates the amount of disk entitled.
	DiskTotalUtil	For a host, this metric indicates the total disk utilization.
	DiskUsed	For a host, this metric indicates the amount of disk used.
	IPAddress	For a host, this metric indicates the IP address.
	MemEntl	For a host, this metric indicates the amount of memory entitled.
	MemEntlUtil	For a host, this metric indicates the percentage of entitled memory in use during the interval.
	MemPhys	For a host and, this metric indicates the amount of physical memory available.
	MemPhysUtil	For a host, this metric indicates the percentage of physical memory used during the interval.
	NumCPUCore	For a host, this metric indicates the total number of CPU cores available.
	NumCPUSocket	For a host, this metric indicates the number of physical CPU sockets on the system.
	Numguests	For a host, this metric indicates the number of logical systems hosted in a system.
	NumNetif	For a host, this metric is the number of network adapters on the host.
	NumNetworkRead	For a host, this metric indicates the number of network reads.
	NumNetworkWrite	For a host, this metric indicates the number of network writes.
	ParentUUID	For a host, this metric indicates the UUID appended to display_name of the parent entity.
	SystemhostName	For a host, this metric is the Fully Qualified Domain Name.
	SystemID	For a host, this metric indicates the Unique Identifier.
	SystemMachineModel	For a host, this is the CPU model of the host system.
	SystemName	For a host, this metric indicates the name.

Entity Type	Metric Name	Description
	SystemOSName	For a host, this metric is the name of the operating system.
	SystemOSType	For a host, this metric is the type of the operating system.
	SystemOSVersion	For a host, this metric is the version of the operating system.
	SystemRole	For a host, this metric is host.
	SystemState	For a host, this metric can have one of the following states for a host: On, Off, or Unknown.
	SystemVirtType	For a host, the value of this metric is OPENSTACK.
	Type	For a host, this metric indicates the type of the hypervisor.
	InstanceName	For a host, this metric indicates the instance name in host DB.
Guest	ConnectionState	For logical systems, this indicates whether or not the entity is available for management. It can have values as - Connected, Disconnected, or NotResponding.
	CPUClockSpeed	For a logical system, this is the clock speed of the CPUs, in MHz, if all of the processors have the same clock speed.
	CPUCycleTotalUsed	For a logical system, this is the total time the physical CPUs were utilized during the interval represented in CPU cycles.
	CPUTotalUtil	For a logical system, the value indicates percentage of total time the logical CPUs were not idle during the interval. For a host, this value is same as CPU_PHYS_TOTAL_UTIL.
	DiskPhysRead	For a logical system, this metric indicates the number of physical reads during the interval.
	DiskPhysWrite	For a logical system, this metric indicates the number of physical writes during the interval.
	DiskSize	For a logical system, this metric indicates the amount of disk entitled.
	DiskTotalUtil	For a logical system, this metric indicates the total disk utilization.

Entity Type	Metric Name	Description
	DiskUsed	For a logical system, this metric indicates the amount of disk used.
	MemEntl	For a logical system, this metric indicates the amount of memory entitled.
	MemEntlUtil	For a logical system, this metric indicates the percentage of entitled memory in use during the interval.
	MemPhys	For logical system, this metric indicates the amount of physical memory available.
	MemPhysUtil	For a logical system, this metric indicates the percentage of physical memory used during the interval.
	MemUsed	For a logical system, this metric indicates the amount of memory used at the end of the interval.
	NumCPU	For a logical system, this metric indicates the number of virtual CPUs configured.
	NumCPUCore	For a logical system, this metric indicates the total number of CPU cores available.
	NumDisk	For a logical system, this metric indicates the number of disks configured. Only local disk devices and optical devices present on the system are counted in this metric.
	NumNetif	For a logical system, this metric is the number of network interfaces configured for the logical system.
	NumNetworkRead	For a logical system, this metric indicates the number of network reads.
	NumNetworkWrite	For a logical system, this metric indicates the number of network writes.
	ParentType	For a logical system, this metric indicates the type of parent entity.
	ParentUUID	For a logical system, this metric could indicate the UUID appended to display_name of a host as they can be created under a host.
	SystemhosthostName	For a logical system, this is the FQDN of the host on which they are hosted.

Entity Type	Metric Name	Description
	SystemhostName	For a logical system, this metric is the Fully Qualified Domain Name.
	SystemID	For a logical system, this metric indicates the unique identifier.
	SystemName	For a logical system, this metric indicates the name.
	SystemRole	For a logical system, the value is guest.
	SystemState	For a logical system, the values can be one of the following: On, Off, Suspended, or Unknown.
	SystemVirtType	For a logical system, the value of this metric is OPENSTACK.
	VMOwnerId	For a logical system, this metric indicates the user ID of the VM creator.
	FlavorId	For a logical system, this metric indicates the flavor ID of the VM.
	VMhost_UUID	For a logical system, this metric indicates the host UUID of the VM.

Entity Type	Metric Name	Description
Tenant	CPUCycleTotalUsed	The amount of CPU cycles used.
	CPULimit	The max CPU units configured for this tenant.
	CPUTotalUtil	The total CPU utilization.
	CPUUsageHours	The total hours of CPU usage.
	Description	The description of the tenant.
	DiskSize	The amount of disk entitled for the tenant.
	DiskTotalUtil	The total disk utilization.
	DiskUsageHours	The total hours of disk usage.
	DiskUsed	The amount of disk used.
	Enabled	The tenant is enabled or not.
	InstanceLimit	The max instances, which can be created on this tenant.
	MemLimit	The max memory configured for this tenant.
	MemPhys	The amount of physical memory available.
	MemPhysUtil	The total memory utilization.
	MemUsageHours	The total hours of memory usage.
	MemUsed	The amount of physical memory used.
	NumCPUCore	The number of CPU cores.
	NumDisk	The number of disks.
	NumGuests	The number of guests on this tenant.
	NumHosts	The number of hosts on this tenant.
	ParentType	The role of the parent of the tenant.
	ParentUUID	The UUID of the cloud to which this tenant belongs.
	SystemID	The unique identifier of the tenant.
	SystemName	The name of the tenant.
	SystemRole	The value of this metric is TENANT for tenants.
SystemVirtType	The value of this metric is OPENSTACK.	

Entity Type	Metric Name	Description
Cloud	CPUTotalUtil	The total CPU utilization.
	Description	The description of the cloud.
	MemPhys	The amount of physical memory available.
	MemPhysUtil	The total memory utilization.
	NumCPUCore	The number of CPU cores.
	NumGuests	The number of guests on this cloud.
	NumHosts	The number of hosts on this cloud.
	NumTenants	The number of tenants on this cloud.
	ParentType	The value of this metric is OPENSTACK.
	ParentUUID	The value of this metric is same as the SystemName.
	SystemID	The unique identifier of the cloud.
	SystemName	The name of the cloud.
	SystemRole	The value of this metric is CLOUD for cloud.
	SystemVirtType	The value of this metric is OPENSTACK.

vCenter

Entity Type	Metric Name	Description
Host	Annotations	For a host, this metric indicates the additional notes and comments.
	BelongsToDatacenter	For a host, this metric indicates the name of the Datacenter to which this machine belongs.
	BootTime	For a host, this metric indicates the Boot Time.
	ClusterName	For a host, this is the name of the cluster to which the host belongs to when it is managed by virtual center.

Entity Type	Metric Name	Description
	ConnectionState	For a host, this metric is the current status of the connection. For logical systems, this indicates whether or not the entity is available for management. This can have values as - Connected, Disconnected, or NotResponding.
	CPUClockSpeed	For a host, this is the clock speed of the CPUs, in MHz, if all of the processors have the same clock speed.
	CPUCycleEntlMax	For a host, this value indicates the maximum processor capacity, in MHz, configured for the entity.
	CPUCycleEntlMin	For a host, this value indicates the minimum processor capacity, in MHz, configured for the entity.
	CPUCycleTotalUsed	For a host, this is the total time the physical CPUs were utilized during the interval, represented in CPU cycles.
	CPUMTEnabled	For a host, this metric indicates whether the CPU hardware threads are enabled or not.
	CPUPhysSysModeUtil	For a host, the metric indicates the percentage of time the physical CPUs were in system mode during the interval for the host or logical system.
	CPUPhysTotalUtil	For a host, the value indicates percentage of total time the physical CPUs were utilized by logical system.
	CPUPhysUserModeUtil	For a host, the metric indicates the percentage of time the physical CPUs were in user mode during the interval for the host or logical system.
	CPUReservedCapacity	For a host, this metric indicates the amount of physical memory, which is shared by all the powered-on Virtual Machines, in MHz.
	CPUSysModeUtil	For a host and logical system, this metric indicates the percentage of time the CPU was in system mode during the interval, in percent.

Entity Type	Metric Name	Description
	CPUTotalUtil	For a host, this value is same as CPU_PHYS_TOTAL_UTIL.
	CPUUnreserved	For a host, this is the number of CPU cycles that are available for creating a new logical system. For host, (CPU_CLOCK * NUM_CPU_CORE) - cpu.reservedCapacity from Performance Manager service).
	CPUUserModeUtil	For a host, this metric indicates the percentage of time the CPU was in user mode during the interval, in percent.
	DiskDeviceLatency	For a host, this metric indicates the average amount of time to complete a SCSI command from physical device, in msec.
	DiskKernelLatency	For a host, this metric indicates the average amount of time spent by VMKernel to process each SCSI command, in msec.
	DiskPhysIOByte	For a host, this metric indicates the number of KBs transferred to and from disks during the interval.
	DiskPhysIOByteRate	For a host, this metric indicates the average number of KBs per second at which data was transferred to and from disks during the interval.
	DiskPhysRead	For a host, this metric indicates the number of physical reads during the interval.
	DiskPhysReadByteRate	For a host, this metric indicates the average number of KBs per second at which data was transferred from disks during the interval.
	DiskPhysReadRate	For a host, this metric indicates the number of physical writes during the interval.
	DiskPhysWriteByteRate	For a host, this metric indicates the average number of KBs per second at which data was transferred to disks during the interval.
	DiskPhysWriteRate	For a host, this metric indicates the number of physical writes per second during the interval.
	DiskQueueLatency	For a host, this metric indicates the average amount of time spent in the VMKernel queue by each SCSI command, in msec.

Entity Type	Metric Name	Description
	DiskUtil	For a host, this is the average percentage of time during the interval (average utilization) that all the disks had I/O in progress.
	DiskUtilPeak	For a host, this is the utilization of the busiest disk during the interval, in percent.
	IPAddress	For a host, this metric indicates the IP Address for a host and a logical system.
	LSID	For a host, this metric is a unique identifier for a host and a logical system. The value of this metric may change for an instance across collection intervals.
	LSMode	For a host, the value is Capped; for a logical system the value is Uncapped.
	LSName	For a host, this metric is a unique identifier for host and a logical system.
	LSShared	For a host, the value is Dedicated; for a logical system the value is Shared.
	MaxCPUPhysReadyUtil	For a host, this is the max CPUPhysReadyUtil of all the guests hosted on it.
	MaxReadyUtilVMID	For a host, this is the UUID of the guest for which the CPUPhysReadyUtil is max of all the guests hosted on it.
	MemAvail	For a host, the amount of physical memory available in the host system, in MBs unless otherwise specified.
	MemEntl	For a host, the value is the physical memory available in the system and for a logical system this metric indicates the minimum memory configured.
	MemEntlMax	For a host, the value is the amount of physical memory available in the system.
	MemEntlMin	For a host, this metric indicates the reserved amount of memory configured for a host or a logical system.
	MemEntlUtil	For a host, the value indicates percentage of entitled memory in use during the interval by it.

Entity Type	Metric Name	Description
	MemFree	For a host, this is the amount of memory not allocated.
	MemFreeUtil	For a host, this metric indicates the percentage of memory that is free at the end of the interval.
	MemGranted	For a host, this metric indicates the amount of host physical memory mapped to it, in MB.
	MemHeap	For a host, this metric indicates the virtual address space dedicated to VMKernel main heap, in MB.
	MemHeapFree	For a host, this metric indicates the free address space in the VMKernel main heap, in MB.
	MemOverallHealth	For a host, this is a number that indicates the state of the memory. Low number indicates system is not under memory pressure. 0 - High, indicates free memory is available and there is no memory pressure. 1 - Soft, 2 - Hard, 3 - Low indicates there is a pressure for free memory.
	MemPhys	For a host, the value is the physical memory available in the system and for a logical system this metric indicates the minimum memory configured.
	MemPhysUtil	For a host, this metric indicates the percentage of physical memory used during the interval.
	MemSharedCommon	For a host, this metric indicates the amount of physical memory, which is shared by all the powered-on Virtual Machines , in MB.
	MemSwapped	For a host, this metric indicates the amount of memory that has been transparently swapped to and from the disk.
	MemSysUtil	For a host, this is the amount of physical memory used by the system during the interval.
	MemUnreserved	For a host, this is the amount of memory that is unreserved.

Entity Type	Metric Name	Description
	NetByteRate	For a host, this is the sum of data transmitted and received for all the NIC instances of the host and virtual machine. It is represented in KBps.
	NetInByte	For a host, this is the number of bytes, in MB, received during the interval. For host and guest, (net.received from Performance Manager service * INTERVAL) / 1024, in MB.
	NetInPacket	For a host, this is the number of successful packets per second received for all network interfaces during the interval.
	NetInPacketRate	For a host, this is the number of successful packets received for all network interfaces during the interval.
	NetOutByte	For a host, this is number of bytes, in MB, transmitted during the interval.
	NetOutPacket	For a host, this is the number of successful packets sent for all network interfaces during the interval.
	NetOutPacketRate	For a host, this is the number of successful packets sent through all network interfaces over the cumulative collection time. Successful packets are those that have been processed without errors or collisions. This does not include data for loopback interface.
	NetPacketRate	For a host, this is the number of successful packets per second both sent and received for all network interfaces during the interval.
	NumActiveguests	For a host, this indicates the number of logical systems hosted in a system that are active.
	NumCPUCore	For a host, this metric provides the total number of CPU cores on the system.
	NumCPUSocket	For a host, this metric indicates the number of physical CPU sockets on the system.
	Numguests	For a host, this metric indicates the number of logical systems hosted in a system.
	NumNetif	For a host, this metric is the number of network adapters on the host.

Entity Type	Metric Name	Description
	ParentUUID	For a host, the metric indicates the UUID appended to display_name of the parent entity.
	SystemhostName	For a host, this metric is the Fully Qualified Domain Name.
	SystemMachineModel	For a host, this is the CPU model of the host system.
	SystemName	For a host, this metric indicates the name of the host or logical system.
	SystemOSName	For a host, the metric indicates the name of operating system.
	SystemOSType	For a host, the metric can have the following values for host and logical system: ESX/ESXi followed by version or ESX-Serv (applicable only for a host) Linux, Windows, Solaris, or Unknown.
	SystemPath	For a host, the metric indicates the installation path for host or logical system.
	SystemRole	For a host the metric is host.
	SystemState	For a host, this metric can have one of the following states: On, Off, or Unknown.
	SystemUptimeHours	For a host, this metric is the time, in hours, since the last system reboot.
	SystemUptimeSeconds	For a host, the metric is the time, in seconds, since the last system reboot.
	SystemVirtType	For a host, the value of this metric is VMWARE.
	VCIPAddress	For a host, the metric indicates the IP address of the Virtual Center that the host is managed by.
	vMotionEnabled	For a host, this metric indicates whether vMotion is enabled or not.
Guest	Annotations	For a logical system, this metric indicates the additional notes and comments.

Entity Type	Metric Name	Description
	BelongsToDatacenter	For a logical system, this metric indicates the name of the Datacenter to which this machine belongs.
	BootTime	For a logical system, this metric indicates the Boot Time.
	ConnectionState	For a logical systems, this indicates whether or not the entity is available for management. It can have values as - Connected, Disconnected, or NotResponding.
	CPUClockSpeed	For a logical system, this is the clock speed of the CPUs, in MHz, if all of the processors have the same clock speed.
	CPUCoStopTime	For a guest, this metric indicates the time the virtual machine is ready to run but is unable to run due to co-scheduling constraints , in msec.
	CPUCycleEntlMax	For a logical system, this value indicates the maximum processor capacity, in MHz, configured for the entity.
	CPUCycleEntlMin	For a logical system, this value indicates the minimum processor capacity, in MHz, configured for the entity.
	CPUCycleTotalUsed	For a logical system, this is the total time the physical CPUs were utilized during the interval, represented in CPU cycles.
	CPUDemandUsed	For a guest, this metric indicates the amount of CPU resources a Virtual Machine would use if there were no CPU contention or CPU limit, in MHz.
	CPUEntlMax	For a logical system, this metric indicates the maximum CPU units configured for it.
	CPUEntlMin	For a logical system, this metrics indicates the guaranteed minimum CPU units configured for it.
	CPUEntlUtil	For a guest, this metric indicates the percentage of entitled processing units (guaranteed processing units allocated to this logical system) consumed by it.

Entity Type	Metric Name	Description
	CPUIdleTime	For a guest, this metric indicates the total time that the CPU spent in an idle state, msec.
	CPUIdleUtil	For a guest, this metric indicates the percentage of time that the CPU spent in an idle state.
	CPUPhyscUtil	For a guest, this metric indicates the number of CPU units utilized by the logical system.
	CPUPhysReadyUtil	For a logical system, this is the percentage of time during the interval that the CPU was in ready state.
	CPUPhysTotalTime	For a logical system, the value indicates the time spent in seconds on the physical CPU by logical system or host, in seconds
	CPUPhysWaitUtil	For a logical system, this is the percentage of time during the interval that the virtual CPU was waiting for the I/Os to complete.
	CPUReadyTime	For a guest, this metric indicates the time for which the virtual machine was ready but could not get scheduled to run on the physical CPU, in seconds.
	CPUSharesPrio	For a guest, this metric indicates the weightage or priority assigned to an Uncapped logical system. This value determines the minimum share of unutilized processing units that this logical system can utilize.
	CPU SysModeUtil	For a logical system, this metric indicates the percentage of time the CPU was in system mode during the interval, in percent.
	CPUTotalUtil	For a logical system, the value indicates percentage of total time the logical CPUs were not idle during the interval. For a host, this metric value is same as CPU_PHYS_TOTAL_UTIL.
	CPUUsedTime	For a guest, this metric indicates the total time for which the CPU was used, in msec.
	CPUUserModeUtil	For a logical system, this metric indicates the percentage of time the CPU was in user mode during the interval, in percent.

Entity Type	Metric Name	Description
	CPUWaitTime	For a guest, this metric indicates the total time that the CPU spent in wait state, in msec.
	DiskCommandAbortRate	For a guest, the value indicates the disk command abort rate for the logical system.
	DiskPhysIOByte	For a logical system, this metric indicates the number of KBs transferred to and from disks during the interval.
	DiskPhysIOByteRate	For a logical system, this metric indicates the average number of KBs per second at which data was transferred to and from disks during the interval.
	DiskPhysRead	For a logical system, this metric indicates the number of physical reads during the interval.
	DiskPhysReadByteRate	For a logical system, this metric indicates the average number of KBs per second at which data was transferred from disks during the interval.
	DiskPhysReadRate	For a logical system, this metric indicates the number of physical reads per second during the interval.
	DiskPhysWrite	For a logical system, this metric indicates the number of physical writes during the interval.
	DiskPhysWriteByteRate	For a logical system, this metric indicates the average number of KBs per second at which data was transferred to disks during the interval.
	DiskPhysWriteRate	For a logical system, this metric indicates the number of physical writes per second during the interval.
	DiskQueueDepthPeak	For a guest, this metric indicates the disk queue depth.
	DiskReadLatency	For a guest, this metric indicates the total disk read latency, in msec.
	DiskWriteLatency	For a guest, this metric indicates the total disk write latency for this logical system in msec.

Entity Type	Metric Name	Description
	guestToolsStatus	For a guest, this metric is the current status of guest Integration Tools in the guest operating system if known.
	HBPStatus	For a guest, this metric indicates the HPCS Heart beat poll status. It can have values as 0 or 1.
	HPCSPort	For a guest, this metric indicates the port from CS.
	HPCSProtocol	For a guest, this metric indicates the scheme from CS.
	MacAddress	For a guest, this contains comma separated mac addresses.
	ManagementIP	For a guest, this metric indicates the IP from CS.
	ManagementUpdatedTime	For a guest, this metric indicates the HPCS Sync time. (Epochtime)
	MemActive	For a logical system, this is the amount of memory that is actively used.
	MemBalloonTarget	For a guest, this metric indicates the amount of memory, which is set by VMKernel for ballooning, in MB.
	MemBalloonUsed	For a logical system, this is the amount of memory held by memory control for ballooning. The value is represented in KB.
	MemBalloonUtil	For a logical system, this is the amount of memory held by memory control for ballooning. It is represented as a percentage of MEM_ENTL.
	MemEntl	For a logical system this metric indicates the minimum memory configured.
	MemEntlMax	For a logical system, this metric indicates the maximum amount of memory configured. For a host, the value is the amount of physical memory available in the system.
	MemEntlUtil	For a logical system, the value indicates percentage of entitled memory in use during the interval by it.

Entity Type	Metric Name	Description
	MemFree	For a logical system, this is the amount of memory not allocated.
	MemFreeUtil	For a logical system, this metric indicates the percentage of memory that is free at the end of the interval.
	MemGranted	For a logical system, this metric indicates the amount of host physical memory mapped to it, in MB.
	MemOverhead	For a guest, this metric indicates the amount of memory associated with a logical system that is currently consumed on the host system due to virtualization.
	MemPhys	For a logical system, this metric indicates the minimum memory configured.
	MemPhysUtil	For a logical system, this metric indicates the percentage of physical memory used during the interval.
	MemShared	For a guest, this metric indicates amount of shared memory with other virtual machines, in MB.
	MemSharesPrio	For a guest, this metric indicates the weightage or priority for memory assigned to it. This value influences the share of unutilized physical Memory that this logical system can utilize.
	MemSwapIn	For a logical system, the value indicates the amount of memory that is swapped in during the interval.
	MemSwapOut	For a logical system, the value indicates the amount of memory that is swapped in during the interval.
	MemSwapped	For a logical system, this metric indicates the amount of memory that has been transparently swapped to and from the disk.
	MemSwapTarget	For a logical system, the value indicates the amount of memory that can be swapped.

Entity Type	Metric Name	Description
	MemSwapUtil	For a logical system, this is the percentage of swap memory utilized with respect to the amount of swap memory available.
	MemUsed	For a guest, this value indicates the amount of memory used by it at the end of the interval.
	NetByteRate	For a logical system, this is the sum of data transmitted and received for all the NIC instances of the host and virtual machine. It is represented in KBps.
	NetInByte	For a logical system, this is number of bytes, in MB, received during the interval. For host and guest, (net.received from Performance Manager service * INTERVAL) / 1024. (MBs)
	NetInByteRate	For a guest, this metric indicates the input bytes per second over the network, in KBps.
	NetInPacket	For a logical system, this is the number of successful packets per second received for all network interfaces during the interval.
	NetInPacketRate	For a logical system, this is the number of successful packets received for all network interfaces during the interval.
	NetOutByte	For a logical system, this is the number of bytes, in MB, transmitted during the interval.
	NetOutByteRate	For a guest, this metric indicates the output bytes per second over the network, in KBps.
	NetOutPacket	For a logical system, this is the number of successful packets, sent for all network interfaces during the interval.
	NetOutPacketRate	For a logical system, this is the number of successful packets sent through all network interfaces over the cumulative collection time. Successful packets are those that have been processed without errors or collisions. This does not include data for loopback interface.
	NetPacketRate	For a logical system, this is the number of successful packets per second both sent and received for all network interfaces during the interval.

Entity Type	Metric Name	Description
	NumCPU	For a guest, this metric indicates the number of virtual CPUs configured.
	NumDisk	For a guest, this metric indicates the number of disks configured. Only local disk devices and optical devices present on the system are counted in this metric.
	NumNetif	For a logical system, the metric is the number of network interfaces configured for the logical system.
	NumSnapshots	For a guest, the metric is the number of snapshots created for the system.
	NumVMotions	For a guest, the number of vmotions occurred at a particular collection time.
	ParentType	For a logical system, this metric indicates the type of parent entity. The value is HOST if the parent is a host.
	ParentUUID	For a logical system, this metric could indicate the UUID appended to display_name of a host as they can be created under a host.
	StateChangeTime	For a guest, the metric is the epoch time when the last state change was observed.
	SystemhosthostName	For a logical system, this is the FQDN of the host on which they are hosted.
	SystemhostName	For a logical system, the metric is the Fully Qualified Domain Name.
	SystemID	For a guest, this metric indicates the UUID. This ID uniquely identifies this logical system across multiple hosts.
	SystemParenthostName	For a logical system, this is the FQDN of the host on which they are hosted.
	SystemRole	For a logical system, the value is guest.
	SystemState	For a logical system, the value can be one of the following: On, Off, Suspended, or Unknown.
	SystemUptimeHours	For a logical system, this metrics is the time, in hours, since the last system reboot.

Entity Type	Metric Name	Description
	SystemUptimeSeconds	For a logical system, this metrics is the time, in seconds, since the last system reboot.
	SystemVirtType	For a logical system, the value of this metric is VMWARE.
	vmVersion	For a guest, this metric indicates the version of the Virtual Machine.
Datacenter	NumActiveGuests	The number of logical systems hosted in the system that are active.
	NumChangedDS	The number of datastore change operations for powered-off and suspended Virtual Machines.
	MemPhysUtil	The percentage of physical memory used.
	CPUTotalUtil	The total CPU utilization, in percent.
	LSName	The unique identifier of the datacenter.
	NumChangeHost	The number of host change operations for powered-off and suspended Virtual Machines.
	NumChangeHostDS	The number of host and datastore change operations for powered-off and suspended Virtual Machines.
	NumClones	The number of virtual machine clone operations.
	NumClusters	The number of clusters on the datacenter.
	NumCreate	The number of virtual machine create operations.
	NumDeploy	The number of virtual machine template deploy operations.
	NumDestroy	The number of virtual machine delete operations.
	NumGuests	The number of VMs under this datacenter.
	NumHosts	The number of hosts under this datacenter
	NumPowerOff	The number of Virtual Machine power-off operations.
NumPowerOn	The number of Virtual Machine power-on operations.	

Entity Type	Metric Name	Description
	NumRebootGuest	The number of Virtual Machine guest reboot operations.
	NumReconfigure	The number of Virtual Machine reconfigure operations.
	NumRegister	The number of Virtual Machine register operations.
	NumReset	The number of Virtual Machine reset operations.
	NumResourcePools	The number of resource pools on the datacenter.
	NumShutDownGuest	The number of Virtual Machine guest shutdown operations.
	NumStandByGuest	The number of Virtual Machine standby guest operations.
	NumSuspend	The number of Virtual Machine suspend operations.
	NumUnRegister	The number of Virtual Machine unregister operations.
	ParentType	On a system, the metric indicates the type of parent entity.
	ParentUUID	The name of the vCenter to which this datacenter belongs.
	SystemID	The UUID of the datacenter. This is the display_name.
	SystemName	The name of the datacenter.
	SystemRole	For a datacenter, the value of this metric is DATACENTER.
	SystemVirtType	The value of this metric is VMware.
	TotalSvMotions	The number of migrations with Storage VMotion (datastore change operations for powered-on VMs).
	TotalVmMotions	The number of migrations with VMotion (host change operations for powered-on VMs).
Datastore	DiskOthersUsed	The datastore space used by other files, in MB.

Entity Type	Metric Name	Description
	BelongsToDatacenter	The datacenter to which this datastore belongs.
	Capacity	The datastore capacity, in MB.
	ClusterName	The cluster to which this datastore belongs.
	ConnectionState	Whether the datastore is accessible or not.
	DiskProvisioned	The amount of storage set aside for use by a datastore, in MB.
	DiskReadRate	The rate of disk read from the datastore during the collection interval, in KBps.
	DiskSnapshotUsed	The datastore space used by the Virtual Machine snapshots, in MB.
	DiskSwapUsed	The datastore space used by the swap files, in MB.
	DiskThroughputContention	The throughput contention for the datastore.
	DiskThroughputUsage	The throughput usage for the datastore.
	DiskUsed	The datastore space used, in MB.
	DiskVMDKUsed	The datastore space used by Virtual Machine files, in MB.
	DiskWriteRate	The rate of disk write to the datastore during the collection interval, in KBps.
	IORMEnabled	The IORM enabled.
	IORMThreshold	The IORM threshold.
	LSName	The unique identifier of the datastore.
	MountedOn	The display name of the parent of the datastore.
	NumDiskReads	The number of disk reads during the collection interval.
	NumDiskWrites	The number of disk writes during the collection interval.
	NumReadCommands	The average number of read commands issued per second to the datastore during the collection interval.

Entity Type	Metric Name	Description
	NumWriteCommands	The average number of write commands issued per second to the datastore during the collection interval.
	ParentType	The type of the parent of the datastore.
	ParentUUID	The UUID of the host to which this datastore belongs.
	SharePriority	The shared priority.
	SystemID	The ID of the datastore.
	SystemName	The name of the datastore.
	SystemRole	For a datastore, the value is DATASTORE.
	SystemVirtType	The value of this metric is VMware.
	Type	The datastore type.
Respool	BelongsToDatacenter	This is the name of the datacenter to which Resource Pool is part of.
	ClusterName	This is the name of the cluster to which Resource Pool is part of.
	CPUCycleEntlMax	This value indicates the maximum processor capacity, in MHz, configured for the entity.
	CPUCycleEntlMin	This value indicates the minimum processor capacity, in MHz, configured for the entity.
	CPUCycleTotalUsed	The total time the physical CPUs were utilized during the interval represented in CPU cycles.
	CPUEntlMax	The maximum CPU units configured for this Resource Pool, in percent.
	CPUEntlMin	The minimum CPU units configured for this Resource Pool, in percent.
	CPUEntlUtil	The percentage of entitled processing units consumed by the Resource Pool, in percent.
	CPUPhyscUtil	The percentage of physical processing units consumed by the Resource Pool, in percent.
	CPUPhysTotalTime	The total time, in seconds, spent by the logical system on the physical CPUs.

Entity Type	Metric Name	Description
	CPUPhysTotalUtil	The percentage of total time the physical CPUs were utilized by this logical system during the interval.
	CPUSharesPrio	This value determines the minimum share of unutilized processing units that this logical system can utilize.
	HostedOn	This is the name of the ESX host on which Resource Pool is hosted.
	LSMode	This metric indicates whether the CPU entitlement for the Resource Pool is Capped or Uncapped.
	LSName	The unique identifier of the Resource Pool.
	MemEntlMax	The maximum amount of memory configured for the logical system, in MB.
	MemEntlMin	The minimum amount of memory configured for the logical system, in MB.
	MemEntlUtil	The amount of memory utilized for the logical system, in MB.
	MemOverhead	The amount of memory associated with a logical system that is currently consumed on the host system due to Virtualization, in MB.
	MemSharesPrio	The weightage or priority for memory assigned to this logical system.
	MemSwapped	This metric indicates the amount of memory that has been transparently swapped to and from the disk, MB.
	MemUsed	The amount of memory used at the end of the interval.
	NumGuests	The number of VMs.
	ParentType	The parent type of the Resource Pool.
	ParentUUID	The UUID of the parent of this Resource Pool.
	SystemID	This value is name of the cluster where Resource Pool is hosted followed by the unique ID.
	SystemName	The Resource Pool display name.

Entity Type	Metric Name	Description
	SystemRole	For a Resource Pool, the value is RESPOOL.
	SystemVirtType	The value of this metric is VMware.
VirtualApp	BelongsToDatacenter	This is the name of the datacenter to which Virtual App is part of.
	ClusterName	This is the name of the cluster to which Virtual App is part of.
	CPUCycleEntlMax	This value indicates the maximum processor capacity, in MHz, configured for the entity.
	CPUCycleEntlMin	This value indicates the minimum processor capacity, in MHz, configured for the entity.
	CPUCycleTotalUsed	The total time the physical CPUs were utilized during the interval represented in CPU cycles.
	CPUEntlMax	The maximum CPU units configured.
	CPUEntlMin	The minimum CPU units configured.
	CPUEntlUtil	The percentage of entitled processing units consumed by the Virtual App, in percent.
	CPUPhyscUtil	The percentage of physical processing units consumed by the Virtual App, in percent.
	CPUPhysTotalTime	The total time, in seconds, spent by the logical system on the physical CPUs.
	CPUPhysTotalUtil	The percentage of total time the physical CPUs were utilized by this logical system during the interval in percent.
	CPUSharesPrio	This value determines the minimum share of unutilized processing units that this logical system can utilize.
	HostedOn	This is the name of the ESX host on which Virtual App is hosted.
	LSMode	This metric indicates whether the CPU entitlement for the Virtual App is Capped or Uncapped.
	LSName	The unique identifier of the Virtual App.
MemEntlMax	The maximum amount of memory configured for the logical system, in MB.	

Entity Type	Metric Name	Description
	MemEntlMin	The minimum amount of memory configured for the logical system, in MB.
	MemEntlUtil	The amount of memory utilized for the logical system, in MB.
	MemOverhead	The amount of memory associated with a logical system that is currently consumed on the host system due to Virtualization, in MB.
	MemSharesPrio	The weightage or priority for memory assigned to this logical system.
	MemSwapped	This metric indicates the amount of memory that has been transparently swapped to and from the disk, in MB.
	MemUsed	The amount of memory used at the end of the interval.
	NumGuests	The number of VMs.
	ParentType	The parent type of the Virtual App.
	ParentUUID	The UUID of the parent of this Virtual App.
	SystemID	This value is the name of the cluster where Virtual App is hosted followed by the unique ID.
	SystemName	The Virtual App display name.
	SystemRole	On a Host, the metric is HOST. For a logical system, the value is GUEST and for a Resource Pool the value is RESPOOL. For datacenter, this is DATACENTER. For cluster, this is CLUSTER. For datastore, this is DATASTORE.
	SystemVirtType	The value of this metric is VMware.

Entity Type	Metric Name	Description
BYVM Storage	DatastoreID	The UUID of the datastore.
	DatastoreName	The name of the datastore
	DiskProvisioned	This is the total space provisioned for the Virtual Machine on the datastore, in MB.
	DiskReadRate	The rate of reading from the datastore, in KBps.
	DiskSnapshotUsed	This is the space consumed by the Virtual Machine snapshot files on the datastore, in MB.
	DiskUsed	This is the total space consumed by the Virtual Machine on the datastore including the vmdk file snapshots and other files, in MB.
	DiskVMDKUsed	This is the total space consumed by the Virtual Machine vmdk files on the datastore, in MB.
	DiskWriteRate	The rate of writing to the datastore, in KBps.
	MaxQueueDepth	This is the maximum queue depth.
	NumReadCommands	The average number of read commands issued per second to the datastore during the collection interval.
	NumWriteCommands	The average number of write commands issued per second to the datastore during the collection interval.
	ParentType	The type of the parent of the node.
	ParentUUID	The UUID of the datastore to which this entity belongs.
	ReadLatency	The total read latency experienced by the entity on this datastore.
	SystemID	The UUID of the entity, which mounts this datastore.
	SystemName	For a shared datastore, this value is the name of the node.
	SystemRole	For a shared datastore, this value is the type of the entity associated with datastore.
WriteLatency	The total write latency experienced by the entity on this datastore.	

Entity Type	Metric Name	Description
Cluster	CPUEffectiveUtil	The utilization of total available CPU resources of all hosts within that cluster, in percent. Effective CPU = Aggregate host CPU capacity - (VMkernel CPU + Service Console CPU + other service CPU).
	CPUEntlUtil	The CPU entitlement Utilization, in percent.
	CPUFailover	The VMware HA number of failures that can be tolerated, in percent.
	CPUFailoverReservation	The percentage of CPU resources in the cluster to reserve for failover. You can specify up to 100% of CPU resources for failover.
	CPUTotalUtil	The total CPU utilization, in percent.
	DasConfigEnabled	Whether HA is enabled on the cluster.
	DrsConfigEnabled	Whether DRS is enabled on the cluster.
	LSName	The unique identifier of the cluster.
	MemBalloonUsed	The amount of memory held by memory control for ballooning, in KB.
	MemEffectiveUtil	The utilization of total amount of machine memory of all hosts in the cluster that is available for use for virtual machine memory (physical memory for use by the Guest OS) and virtual machine overhead memory. Effective Memory = Aggregate host machine memory - (VMkernel memory + Service Console memory + other service memory).

Entity Type	Metric Name	Description
	MemEntl	The effective memory available, in MB.
	MemEntlUtil	The memory entitlement utilization, in percent.
	MemFailoverReservation	The percentage of memory resources in the cluster to reserve for failover. You can specify up to 100% of memory resources for failover.
	MemOverhead	The amount of memory associated with a logical system, that is currently consumed on the host system, due to virtualization.
	MemPhys	The total physical memory available, in MB.
	MemPhysUtil	The total memory utilization, in percent.
	MemUsed	The amount of physical memory used, in MB.
	NumChangedDS	The number of datastore change operations for powered-off and suspended Virtual Machines.
	NumChangeHost	The number of host change operations for powered-off and suspended Virtual Machines.
	NumChangeHostDS	The number of host and datastore change operations for powered-off and suspended Virtual Machines.
	NumCPU	The number of CPUs.
	NumCPUCore	The number of CPU cores.
	NumClones	The number of Virtual Machine clone operations.
	NumCreate	The number of Virtual Machine create operations.
	NumDeploy	The number of Virtual Machine template deploy operations.

Entity Type	Metric Name	Description
	NumDestroy	The number of Virtual Machine delete operations.
	NumHosts	The number of hosts on this cluster.
	NumPowerOff	The number of Virtual Machine power-off operations.
	NumPowerOn	The number of Virtual Machine power-on operations.
	NumRebootGuest	The number of Virtual Machine guest reboot operations.
	NumReconfigure	The number of Virtual Machine reconfigure operations.
	NumRegister	The number of Virtual Machine register operations.
	NumReset	The number of Virtual Machine reset operations.
	NumResourcePools	The number of resource pool on the cluster.
	NumShutDownGuest	The number of Virtual Machine guest shutdown operations.
	NumStandByGuest	The number of Virtual Machine standby guest operations.
	NumSuspend	The number of Virtual Machine suspend operations.
	NumUnRegister	The number of Virtual Machine unregistered operations.
	ParentType	On a system, the metric indicates the type of parent entity.
	ParentUUID	The name of the datacenter to which this cluster belongs.
	SystemID	The UUID of the cluster. This is the display_name:datacenter name.
	SystemName	The name of the cluster.

Entity Type	Metric Name	Description
	SystemRole	For cluster, the value of the metric is CLUSTER.
	SystemVirtType	The value of this metric is VMware.
	TotalSvMotions	The number of migrations with Storage VMotion (datastore change operations for powered-on VMs).
	TotalVmMotions	The number of migrations with VMotion (host change operations for powered-on VMs).
	Type	The type of the cluster.
	BelongsToDatacenter	The datacenter to which this cluster belongs.
	CPUCycleTotalUsed	The amount of CPU cycles used, in MHz.

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Entity Type	Metric Name	Description
Host	ClusterName	For a host, this is the name of the cluster to which the host belongs to when it is managed by virtual center.
	ConnectionState	For a host this metric is the current status of the connection. It can have values as - Connected, Disconnected, or NotResponding.
	CPUClockSpeed	For a host, this is the clock speed of the CPUs, in MHz, if all of the processors have the same clock speed.
	CPUCycleEntlMax	For a host, this value indicates the maximum processor capacity, in MHz, configured for the entity.
	CPUCycleEntlMin	For a host, this value indicates the minimum processor capacity, in MHz, configured for the entity.

Entity Type	Metric Name	Description
	CPUCycleTotalUsed	For a host, this is the total time the physical CPUs were utilized during the interval, represented in CPU cycles.
	CPUEntIMax	For a host, the metric is CPU capacity.
	CPUEntIMin	For a host, this metric is equivalent to the total number of cores on the host.
	CPUMTEnabled	For a host, this metric indicates whether the CPU hardware threads are enabled or not.
	CPUPhysSysModeUtil	For a host, this metric indicates the percentage of time the physical CPUs were in system mode during the interval for the host or logical system.
	CPUPhysTotalUtil	For a host, this value indicates percentage of total time the physical CPUs were utilized by logical system.
	CPUPhysUserModeUtil	For a host, this metric indicates the percentage of time the physical CPUs were in user mode during the interval for the host or logical system.
	CPUReservedCapacity	For a host, this metric indicates the amount of physical memory, which is shared by all the powered-on Virtual Machines.
	CPUSysModeUtil	For a host, this metric indicates the percentage of time the CPU was in system mode during the interval.
	CPUTotalUtil	For a host, this metric is same as CPU_PHYS_TOTAL_UTIL.
	CPUUnreserved	For a host, this is the number of CPU cycles that are available for creating a new logical system.
	CPUserModeUtil	For a host, this metric indicates the percentage of time the CPU was in user mode during the interval.
	DiskDeviceLatency	For a host, this metric indicates the average amount of time to complete a SCSI command from physical device.

Entity Type	Metric Name	Description
	DiskKernelLatency	For a host, this metric indicates the average amount of time spent by VMKernel to process each SCSI command.
	DiskPhysIOByte	For a host, this metric indicates the number of KBs transferred to and from disks during the interval.
	DiskPhysIOByteRate	For a host, this metric indicates the average number of KBs per second at which data was transferred to and from disks during the interval.
	DiskPhysRead	For a host, this metric indicates the number of physical reads during the interval.
	DiskPhysReadByteRate	For a host, this metric indicates the average number of KBs per second at which data was transferred from disks during the interval.
	DiskPhysReadRate	For a host, this metric indicates the number of physical reads per second during the interval.
	DiskPhysWrite	For a host, this metric indicates the number of physical writes during the interval.
	DiskPhysWriteByteRate	For a host, this metric indicates the average number of KBs per second at which data was transferred to disks during the interval.
	DiskPhysWriteRate	For a host, this metric indicates the number of physical writes per second during the interval.
	DiskQueueLatency	For a host, this metric indicates the average amount of time spent in the VMKernel queue by each SCSI command.
	DiskSpaceReserved	For a host, this is the total storage space available.

Entity Type	Metric Name	Description
	DiskTotalCapacity	For a host, this is the total disk storage available.
	DiskTotalIORate	For a host, this metric indicates the average number of bytes transferred to or from the disk during write or read operations.
	DiskUtil	For a host, this is the average percentage of time during the interval (average utilization) that all the disks had I/O in progress.
	DiskUtilPeak	For a host, this is the utilization of the busiest disk during the interval.
	IPAddress	For a host, this metric indicates the IP address for a host and a logical system.
	LocalDiskTotalCapacity	For a host, this metric indicates the total disk capacity available.
	LocalStorageAvailableCapacity	For a host, this metric indicates the total free space available.
	LSID	For a host, this metric is a unique identifier. The value of this metric may change for an instance across collection intervals.
	LSMode	For a host, this value is Capped for a host and Uncapped for a logical system.
	LSName	For a host, this metric is a unique identifier.
	LSShared	For a host, the value is Dedicated; for a logical system, the value is Shared.
	MemAvail	For a host, the amount of physical memory available in the host system, in MBs, unless otherwise specified.
	MemEntl	For a host, the value is the physical memory available in the system and for a logical system this metric indicates the minimum memory configured.
	MemEntlMax	For a host, this value is the amount of physical memory available in the system.

Entity Type	Metric Name	Description
	MemEntlMin	For a host, this metric indicates the reserved amount of memory configured.
	MemEntlUtil	For a host, this value indicates the percentage of entitled memory in use during the interval.
	MemFree	For a host, this is the amount of memory not allocated.
	MemFreeUtil	For a host, this metric indicates the percentage of memory that is free at the end of the interval.
	MemGranted	For a host, this metric indicates the amount of host physical memory mapped to it.
	MemHeap	For a host, this metric indicates the virtual address space dedicated to VMKernel main heap.
	MemHeapFree	For a host, this metric indicates the free address space in the VMKernel main heap.
	MemOverallHealth	For a host, this is a number that indicates the state of the memory. Low number indicates system is not under memory pressure.
	MemPhys	For a host, this value is the physical memory available in the system.
	MemPhysUtil	For a host, this metric indicates the percentage of physical memory used during the interval.
	MemSharedCommon	For a host, this metric indicates the amount of physical memory, which is shared by all the powered-on Virtual Machines.
	MemSwapped	For a host, this metric indicates the amount of memory that has been transparently swapped to and from the disk.

Entity Type	Metric Name	Description
	MemSysUtil	For a host, this is the amount of physical memory used by the system during the interval.
	MemUnreserved	For a host, this is the amount of memory that is unreserved.
	NetByteRate	For a host, this is the sum of data transmitted and received for all the NIC instances of the host and virtual machine. It is represented in KBps.
	NetInByte	For a host, this is the number of bytes, in MB, received during the interval.
	NetInPacket	For a host, this is the number of successful packets received for all network interfaces during the interval.
	NetInPacketRate	For a host, this is the number of successful packets per second received for all network interfaces during the interval.
	NetOutByte	For a host, this is number of bytes, in MB, transmitted during the interval.
	NetOutPacket	For a host, this is the number of successful packets sent for all network interfaces during the interval.
	NetOutPacketRate	For a host, this metric indicates the number of successful packets sent through all network interfaces over the cumulative collection time. Successful packets are those that have been processed without errors or collisions. This does not include data for loopback interface.
	NetPacketRate	For a host, this is the number of successful packets per second, both sent and received for all network interfaces during the interval.
	NumActiveguests	For a host, this indicates the number of logical systems hosted in a system that are active.

Entity Type	Metric Name	Description
	NumCPU	For a host, this metric provides the total number of CPU cores on the system.
	NumCPUCore	For a host, this metric provides the total number of CPU cores on the system.
	NumCPUSocket	For a host, this metric indicates the number of physical CPU sockets on the system.
	Numguests	For a host, this indicates the number of logical systems hosted in a system.
	NumNetif	For a host, this metric is the number of network adapters on the host.
	ParentUUID	For a host, the metric indicates the UUID appended to display_name of the parent entity.
	SystemhostName	For a host, this metric is the Fully Qualified Domain Name.
	SystemMachineModel	For a host, this is the CPU model of the host system.
	SystemName	For a host, this metric indicates the name of the host or logical system.
	SystemOSName	For a host, this metric indicates the name of the operating system.
	SystemOSType	For a host, this metric can have the following values for a host and a logical system: ESX/ESXi followed by version or ESX-Serv (applicable only for a host) Linux, Windows, Solaris, and Unknown.
	SystemPath	For a host, the metric indicates the installation path for host or logical system.
	SystemRole	For a host, the metric is host.
	SystemState	For a host, this metric can have one of the following states for a host: On, Off, or Unknown.
	SystemUptimeHours	For a host, this metric is the time, in hours, since the last system reboot.

Entity Type	Metric Name	Description
	SystemUptimeSeconds	For a host, this metric is the time, in seconds, since the last system reboot.
	SystemVirtType	For a host, the value of this metric is Hyper-V.
	TotalDiskCapacity	For a host, this metric indicates the total disk capacity.
	UsedStorageCapacity	For a host, this metric indicates the total disk used.
	VCIPAddress	For a host, the metric indicates the IP address of the Virtual Centre that the host is managed by.
	vMotionEnabled	For a host, this metric indicates whether vMotion is enabled or not.
Guest	CPULockSpeed	For a logical system, this is the clock speed of the CPUs, in MHz, if all of the processors have the same clock speed.
	CPUCycleEntlMax	For a logical system, this value indicates the maximum processor capacity, in MHz, configured for the entity.
	CPUCycleEntlMin	For a logical system, this value indicates the minimum processor capacity, in MHz, configured for the entity.
	CPUCycleTotalUsed	For a logical system, this is the total time the physical CPUs were utilized during the interval, represented in CPU cycles.
	CPUEntlMax	For a logical system, this metric indicates the maximum CPU units configured for it.
	CPUEntlMin	For a logical system, this metric indicates the guaranteed minimum CPU units configured for it.
	CPUEntlUtil	For a logical system, this metric indicates the percentage of entitled processing units (guaranteed processing units allocated to this logical system) consumed.

Entity Type	Metric Name	Description
	CPUPhysReadyUtil	For a logical system, this is the percentage of time during the interval that the CPU was in a ready state.
	CPUReadyTime	For a guest, this metric indicates the time for which the virtual machine was ready, but could not get scheduled to run on the physical CPU.
	CPUSharesPrio	For a logical system, this metric indicates the weightage or priority assigned to a Uncapped logical system. This value determines the minimum share of unutilized processing units that this logical system can utilize.
	CPU SysModeUtil	For a logical system, this metric indicates the percentage of time the CPU was in system mode during the interval.
	CPUTotalUtil	For a logical system, this value indicates the percentage of total time the logical CPUs were not idle during the interval.
	CPUUserModeUti	For a logical system, this metric indicates the percentage of time the CPU was in user mode during the interval.
	DiskPhysReadByteRate	For a logical system, this metric indicates the average number of KBs per second at which data was transferred from disks during the interval.
	DiskPhysWriteByteRate	For a logical system, this metric indicates the average number of KBs per second at which data was transferred to disks during the interval.
	DiskReadLatency	For a logical system, this metric indicates the total disk read latency.
	DiskWriteLatency	For a logical system, this metric indicates the total disk write latency.
	DynamicMemoryEnabled	For a logical system, this metric indicates that whether dynamic memory is enabled for the virtual machine.

Entity Type	Metric Name	Description
	DynamicMemoryMaximum	For a logical system, this metric indicates the maximum amount of memory that this Virtual Machine is allowed to use.
	LocalStorageAvailableCapacity	For a logical system, this metric indicates the total free space available.
	MacAddress	For a guest, it contains comma separated mac address(s).
	MemActive	For a logical system, this is the amount of memory that is actively used.
	MemEntl	For a logical system, this metric indicates the minimum memory configured.
	MemEntlUtil	For a logical system, this value indicates the percentage of entitled memory in use during the interval.
	MemoryDemand	For a logical system, this metric indicates how much memory the virtual machine needs at this time to meet the requirements of the active processes running in the Virtual Machine.
	MemPhys	For a logical system, this metric indicates the minimum memory configured.
	MemPhysUtil	For a logical system, this metric indicates the percentage of physical memory used during the interval.
	MemSharesPrio	For a logical system, this metric indicates the weightage or priority for memory assigned. This value influences the share of unutilized physical memory that this logical system can utilize.
	MemUsed	For a logical system, this metric indicates the amount of memory used at the end of the interval.
	NetByteRate	For a logical system, this is the sum of the data transmitted and received for all the NIC instances of the host and Virtual Machine. It is represented in KBps.
	NetInByteRate	For a guest, this metric indicates the input bytes per second over the network.

Entity Type	Metric Name	Description
	NetInPacketRate	For a logical system, this is the number of successful packets per second received for all network interfaces during the interval.
	NetOutByteRate	For a guest, this metric indicates the output bytes per second over the network.
	NetOutPacketRate	For a logical system, this metric indicates the number of successful packets sent through all network interfaces over the cumulative collection time. Successful packets are those that have been processed without errors or collisions. This does not include data for loopback interface.
	NetPacketRate	For a logical system, this is the number of successful packets per second, both sent and received, for all network interfaces during the interval.
	NumCPU	For a logical system, this metric indicates the number of virtual CPUs configured.
	ParentType	For a logical system, this metric indicates the type of parent entity.
	ParentUUID	For a logical system, this metric could indicate the UUID appended to display_name of a host.
	StateChangeTime	For a guest, the metric is the epoch time when the last state change was observed. The value is NA for all other entities.
	SystemHostHostName	For a logical system, this is the FQDN of the host on which they are hosted.
	SystemHostName	For a logical system, the metric is the Fully Qualified Domain Name.
	SystemID	For a logical system, this metric indicates the UUID. This ID uniquely identifies this logical system across multiple hosts.
	SystemRole	For a logical system, the value is guest.

Entity Type	Metric Name	Description
	SystemState	For a logical system, this metric can have one of the following states for a host: On, Off, or Unknown. The values for a logical system can be one of the following: On, Off, Suspended, or Unknown.
	SystemUptimeHours	For a logical system, this metric is the time, in hours, since the last system reboot.
	SystemUptimeSeconds	For a logical system, this metrics is the time, in seconds, since the last system reboot.
Cluster	CPUTotalUtil	The total CPU utilization.
	MemEntl	The effective memory available.
	MemPhys	The total physical memory available.
	MemPhysUtil	The total memory utilization.
	MemUsed	The amount of physical memory used.
	NumCPU	The number of virtual CPUs configured for this logical system.
	NumCPUCore	The number of CPU cores.
	NumGuests	The number of VMs under this cluster.
	NumHosts	The number of hosts on this cluster.
	ParentType	On a system, the metric indicates the type of parent entity.
	ParentUUID	The UUID of the parent.
	SystemID	The UUID of the cluster.
	SystemName	The name of the cluster.
	SystemRole	The value of this metric is CLUSTER.
SystemVirtType	The value of this metric is SCVMM.	

Entity Type	Metric Name	Description
BYVM Storage	DatastoreID	The UUID of the datastore
	DatastoreName	The name of the datastore
	DiskProvisioned	This is the total space provisioned for the Virtual Machine on the datastore.
	DiskReadRate	The rate of reading from the datastore.
	DiskSnapshotUsed	This is the space consumed by the Virtual Machine snapshot files on the datastore.
	DiskUsed	This is the total space consumed by the Virtual Machine on the datastore, including the vmdk file, snapshots and other files.
	DiskVMDKUsed	This is the total space consumed by the Virtual Machine vmdk files on the datastore.
	DiskWriteRate	The rate of writing to the datastore.
	ParentType	The type of the parent of the node.
	ParentUUID	The UUID of the datastore to which this entity belongs.
	QueueLength	The average number of both read and write requests that were queued for the selected disk during the sample interval.
	ReadLatency	The total read latency experienced by the entity on this datastore.
	SystemID	The UUID of the entity, which mounts this datastore.
	SystemName	For a shared datastore, the value is name of the node.
	SystemRole	For a shared datastore, the value is the type of the entity associated with datastore.
SystemVirtType	The value of this metric is Hyper-V.	
WriteLatency	The total write latency experienced by the entity on this datastore.	

Entity Type	Metric Name	Description
Hostgroup	CPUTotalUtil	The total CPU utilization.
	MemEntl	The effective memory available.
	MemEntlUtil	The memory entitlement utilization.
	MemPhys	The total physical memory available.
	MemPhysUtil	The total memory utilization.
	MemUsed	The amount of physical memory used.
	NumCPU	The number of virtual CPUs configured for this logical system.
	NumCPUCore	The number of CPU cores.
	NumGuests	The number of VMs under this hostgroup.
	NumHosts	The number of hosts on this hostgroup.
	ParentType	On a system, this metric indicates the type of parent entity.
	ParentUUID	The UUID of the parent.
	SystemID	The UUID of the hostgroup.
	SystemName	The name of the hostgroup.
	SystemRole	The value of this metric is HOSTGROUP.
SystemVirtType	The value of this metric is SCVMM.	

Entity Type	Metric Name	Description
Nodeds	CPUTotalUtil	The total CPU utilization.
	MemEntl	The effective memory available.
	MemEntlUtil	The memory entitlement utilization.
	MemPhys	The total physical memory available.
	MemPhysUtil	The total memory utilization.
	MemUsed	The amount of physical memory used.
	NumCPU	The number of virtual CPUs configured for this logical system.
	NumCPUCore	The number of CPU cores.
	NumGuests	The number of VMs under this hostgroup.
	NumHosts	The number of hosts on this hostgroup.
	ParentType	On a system, this metric indicates the type of the parent entity.
	ParentUUID	The UUID of the parent.
	SystemID	The UUID of the hostgroup.
	SystemName	The name of the hostgroup.
	SystemRole	The value of this metric is HOSTGROUP.
SystemVirtType	The value of this metric is SCVMM.	

Entity Type	Metric Name	Description
Datastore	DiskOthersUsed	The Datastore space used by other files, in MB.
	DiskProvisioned	The amount of storage set-aside for use by a datastore, in MB.
	DiskReadRate	The rate at which bytes are transferred from the disk during read operations.
	DiskSnapshotUsed	The Datastore space used by the virtual machine snapshots, in MB.
	DiskVMDKUsed	The Datastore space used by VM files, in MB.
	DiskWriteRate	The rate at which bytes are transferred from the disk during write operations.
	MountedOn	The mounted drive letter of the volume.
	NumDiskReads	The number of disk reads during the collection interval.
	NumDiskWrites	The number of disk writes during the collection interval.
	ParentType	On a system, this metric indicates the type of parent entity.
	ParentUUID	The UUID of the host to which this datastore belongs.
	QueueLength	Average number of both read and write requests that were queued for the selected disk during the sample interval.
	SystemID	The ID of the Datastore.
	SystemName	The name of the Datastore.
	SystemRole	For a datastore, this is DATASTORE.
	SystemVirtType	The value of this metric is Hyper-V.
	Type	The file system on the logical disk, for example: NTFS, CSVFS.
Capacity	The Datastore capacity, in MB.	

AWS

Entity Type	Metric Name	Description
AWS_ACCOUNT	NumGuests	For AWS account, this indicates the number of instances for this account.
	CPUTotalUtil	For AWS account, this indicates the percentage of total time logical CPUs were not idle during the interval.
	Target	For AWS account, this indicates the name of the account. This name uniquely identifies this account.
	Domain	For AWS account, the value is AWS.
AWS_GUEST	BelongsToDatacenter	For AWS instance, this is the name of the target.
	CPUClockSpeed	For AWS instance, this is the clock speed of the CPUs, in MHz, if all of the processors have the same clock speed.
	CPUCycleTotalUsed	For AWS instance, this is the total time the physical or logical CPUs were utilized per second during the interval. This is represented in CPU cycles.
	CPUTotalUtil	For AWS instance, this value indicates the percentage of total time the logical CPUs were not idle during the interval.
	DiskPhysRead	For AWS instance, this metric indicates the number of physical reads during the interval.
	DiskPhysReadByte	For AWS instance, this metric indicates the amount of data, which is transferred from the disks during the interval, in KB.
	DiskPhysWrite	For AWS instance, this metric indicates the number of physical writes during the interval.
	DiskPhysWriteByte	For AWS instance, this metric indicates the amount of data, which is transferred to the disks during the interval, in KB.

Entity Type	Metric Name	Description
	IPAddress	For AWS instance, this metric indicates the IP address of the logical system.
	NetInByte	For AWS instance, this is the number of bytes received during the interval, in MB.
	NetOutByte	For AWS instance, this is the number of bytes transmitted during the interval, in MB.
	NumCPU	For AWS instance, this is the number of virtual CPUs configured.
	ParentType	For AWS instance, the value is ACCOUNT.
	ParentUUID	For AWS instance, this metric indicates the name of the account.
	Region	For AWS instance, this metric indicates the region of the instance.
	SystemHostName	For AWS instance, this metric is the Fully Qualified Domain Name.
	SystemID	For AWS instance, this indicates the UUID of the instance. This ID uniquely identifies this instance.
	SystemName	For AWS instance, this metric indicates the display name of the instance.
	SystemRole	For AWS instance, the value is GUEST.
	SystemState	For AWS instance, the metric can have one of the following: Running, Blocked, Paused, Shutdown, Shutoff, Nostate, Crashed, and Unknown.
	SystemVirtType	For AWS instance, the value is AWS.
	Type	For AWS instance, this metric indicates the type of the instance.

Physical Server

Entity Type	Metric Name	Description
Host	CPUClockSpeed	For a Physical Server, this is the clock speed of the CPUs, in MHz, if all of the processors have the same clock speed.
	CPUCycleTotalUsed	For a Physical Server, this is the total time the physical CPUs were utilized during the interval, represented in CPU cycles.
	CPUIdleTime	For a Physical Server, this metric indicates the total time that the CPU spent in an idle state.
	CPUTotalTime	This metric indicates the total time, in seconds, that the CPU was not idle in the interval.
	CPUTotalUtil	This metric indicates the number of CPU units utilized by the system.
	DiskIOByte	For a Physical Server, this metric indicates the number of KBs transferred to and from the disks during the interval.
	DiskSize	For a Physical Server, this metric indicates the amount of disk entitled.
	DiskUsed	For a Physical Server, this metric indicates the amount of disk used.
	IPAddress	For a Physical Server, this metric indicates the IP address for a host.
	MemEntl	For a Physical Server, this metric indicates the amount of memory entitled.
	MemEntlUtil	For a Physical Server, this metric indicates the percentage of entitled memory in use during the interval.
	MemPageoutRate	For a Physical Server, this metric indicates the total number of page outs to the disk per second during the interval.
	MemPhys	For a Physical Server, this metric indicates the amount of physical memory available.
	MemPhysUtil	For a Physical Server, this metric indicates the percentage of physical memory used during the interval.
SystemID	This is the unique identifier of the host or the logical system.	

Entity Type	Metric Name	Description
	MemUsed	For a Physical Server, this metric indicates the amount of memory used at the end of the interval.
	SystemName	The name of the host or the logical system.
	SystemOSName	On a Host, this metric is the name of the operating system.
	NetInPacketPhys	For a Physical Server, this is the number of successful packets per second received for all network interfaces during the interval.
	SystemOSVersion	On a Host, this metric is the version of the operating system.
	SystemRole	On a Host, this metric is the HOST. For a logical system, the value is GUEST.
	SystemVirtType	The value of this metric is PHYSICAL.
	NetOutPacketPhys	For a Physical Server, this is the number of successful packets sent for all network interfaces during the interval.
	SystemOSRelease	The release version of the operating system.
	StatTime	An ASCII string representing the time at the end of the interval based on local time.
	NumActiveCPU	For a Physical Server, this metric indicates the number of CPUs online.
	NumCPU	For a Physical Server, this metric indicates the number of CPUs configured.
	NumDisk	For a Physical Server, this metric indicates the number of disks attached.
	NumNetif	For a Physical Server, this metric is the number of network adapters on the Physical Server.
	RunQueue	For a Physical Server on UNIX systems except Linux, this metric indicates the average number of threads waiting in the runqueue over the interval.
	SwapSpaceAvail	For a Physical Server, this metric is the total amount of potential swap space, in MB.
	SwapSpaceUsed	For a Physical Server, this metric is the amount of swap space used, in MB.
	SwapSpaceUtil	For a Physical Server, this metric is the percent of available swap space that was being used by running processes in the interval.

Entity Type	Metric Name	Description
	SystemLoadAvg	For a Physical Server, this metric is the 1 minute load average of the system obtained at the time of logging.
	SystemMachineModel	For a Physical Server, this is the CPU model of the host system.
	SystemOSType	For a Physical Server, this is the type of the operating system.

OneView

Entity Type	Metric Name	Description
Enclosure	AmbientTemperature	For an Enclosure, this metric indicates the ambient temperature.
	AssetSerialNumber	For an Enclosure, this metric indicates the serial number.
	ConfigurationStatus	For an Enclosure, this metric indicates the current status of the configuration.
	ConnectionState	For an Enclosure, this metric indicates the current status of the connection. It can have values as - Connected, Disconnected, or NotResponding.
	CreatedTime	For an Enclosure, this metric indicates the created time.
	EnclosureGrpId	For an Enclosure, this metric indicates the name of the enclosure group ID of the enclosure.
	EnclosureGrpName	For an Enclosure, this metric indicates the name of the enclosure group.
	Location	For an Enclosure, this metric indicates the rack number.
	MPIPAddress	For an Enclosure, this metric indicates the enclosure IP address.
	NumAvailableDeviceBays	For an Enclosure, this metric indicates the number of available device bays.

Entity Type	Metric Name	Description
	NumAvailableFullHeightDeviceBays	For an Enclosure, this metric indicates the number of available full height device bays.
	NumAvailableInterconnectBays	For an Enclosure, this metric indicates the number of available interconnect bays.
	NumDeviceBays	For an Enclosure, this metric indicates the number of server blades.
	NumFullHeightDeviceBays	For an Enclosure, this metric indicates the number of full height device bays.
	NumInterconnectBays	For an Enclosure, this metric indicates the number of interconnect bays.
	NumServerBlades	For an Enclosure, this metric indicates the number of server blades.
	ParentName	For an Enclosure, the value of the metric is vcmDomainName.
	ParentType	For an Enclosure, the value of the metric is OneView Domain.
	ParentUUID	For an Enclosure, the value of the metric is vcmDomainId.
	PowerAllocation	For an Enclosure, this metric indicates the power allocation, in watts.
	PowerUsagePercent	For an Enclosure, this metric indicates the $(\text{PowerUtilization}/\text{PowerAllocation}) * 100$.
	SubType	For an Enclosure, the value of this metric is Server.
	SystemID	For an Enclosure, this metric indicates the name of the enclosure.
	SystemName	For an Enclosure, this metric indicates the enclosure display name.
	SystemRole	For an Enclosure, the value of this metric is ENCLOSURE.

Entity Type	Metric Name	Description
	SystemState	For an Enclosure, this metric indicates the system state. It can have one of the following states for an enclosure: On, Off, or Unknown.
	SystemVirtType	For an Enclosure, the value of this metric is ONEVIEW.
	TargetName	For an Enclosure, this metric indicates the name of the OneView target, which the enclosure hardware belongs to.
ServerHardware	AmbientTemperature	For a server, this metric indicates the ambient temperature.
	AssetSerialNumber	For a server, this metric indicates the serial number.
	ConfigurationStatus	For a Server, this metric indicates the current status of the configuration. It can have values as - On, Off, or Unknown.
	ConnectionState	For a Server, this metric indicates the current status of the connection. It can have values as - Connected, Disconnected, or NotResponding.
	CPUClockSpeed	For a Server, this metric indicates the clock speed of the CPUs, in MHz, if all of the processors have the same clock speed.
	CPUCycleTotalUsed	For a Server, this metric indicates the total time the physical CPUs utilized during the interval. It is represented in CPU cycles.
	CPUPhyscUtil	For a Server, this metric indicates the number of CPU units utilized.
	CPUTotalUtil	For a Server, this metric indicates the percentage of total time the logical CPUs were not idle during the interval.
	CPUVendor	For a Server, this metric indicates the name of the CPU vendor.
	CreatedTime	For a Server, this metric indicates the created time.

Entity Type	Metric Name	Description
	DiskPhysRead	For a Server, this metric indicates the number of physical reads during the interval.
	DiskPhysWrite	For a Server, this metric indicates the number of physical writes during the interval.
	DiskUsed	For a Server, this metric indicates the amount of disk used, in MB.
	DiskUtil	For a Server, this metric indicates the average percentage of time during the interval (average utilization in MB) when all the disks had I/O in progress.
	FirmwareVersion	For a Server, this metric indicates the Firmware version.
	IPAddress	For a Server, this metric indicates the IP address.
	Location	For a Server, this metric indicates the location of the servers.
	MaxCPUClockSpeed	For a Server, this metric indicates the clock speed of the CPUs, in MHz, if all of the processors have the same clock speed.
	MemAvail	For a Server, this metric indicates the amount of physical memory available in the server system, MB.
	MemFree	For a Server, this metric indicates the amount of memory not allocated.
	MemPhys	For a Server, this metric indicates the physical memory available in the system.
	MemPhysUtil	For a Server, this metric indicates the percentage of physical memory used during the interval.
	MemUsed	For a Server, this metric indicates the amount of physical memory used, in MB.

Entity Type	Metric Name	Description
	MPIPAAddress	For a Server, this metric indicates the IP address.
	NumCPU	For a Server, this metric indicates the number of virtual CPUs configured.
	NumCPUCore	For a Server, this metric indicates the total number of CPU cores available on the system.
	NumCPUSocket	For a server, this metric indicates the number of physical CPU sockets in the system.
	NumDisk	For a Server, this metric indicates the number of disks configured.
	NumNetif	For a Server, this metric indicates the number of network adapters on the server.
	ParentType	For a Server, this metric indicates the type of parent entity.
	ParentUUID	For a Server, this metric indicates the UUID appended to display_name of the parent entity, which is Enclosure.
	PowerAllocation	For a Server, this metric indicates the allocated power.
	PowerUsagePercent	For a Server, this metric indicates the power used by allocation.
	PowerUtilization	For a Server, this metric indicates the power utilization, in watt.
	ResourceUri	For a Server, this metric indicates the path of resource.
	ServerFormFactor	For a Server, this metric indicates the form factor of server.
	SystemHostName	For a Server, this metric indicates the Fully Qualified Domain Name.
	SystemID	For a Server, this metric indicates the UUID.
	SystemMachineModel	For a Server, this metric indicates the CPU model.

Entity Type	Metric Name	Description
	SystemName	For a server, this metric indicates the name of the server.
	SystemOSName	For a server, this metric indicates the OS name.
	SystemOSType	For a server, this metric indicates the OS type.
	SystemOSVersion	For a server, this metric indicates the OS version.
	SystemRole	For a Server, the value of this metric is BLADESERVER.
	SystemState	For a server, this metric indicates the system state. It can have one of the following states for a server: On, Off, or Unknown.
	SystemVirtType	For a Server, this metric indicates the virtualization type of server. It is ONEVIEW for server.
	TargetName	For a Server, this metric indicates the name of the OneView target, which the server hardware belongs to.

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