

Agent for VMware Cluster

The Agent monitors VMware Clusters

Information relating to this Agent

Link and statistic levels correct and upto date as of publication:

http://pubs.vmware.com/vsphere-50/index.jsp#com.vmware.wssdk.apiref.doc_50/vim.PerformanceManager.html

CPU > Overall

CPU > Overall > CPUs (no)

Source: Monitored Object - Resource: ClusterComputeResource > summary > numCpuCores

Code API: 'CPU-Overall-CPUs'
or 'S0 A8'

CPU > Overall > CPU capacity (MHz)

Source: Resource: ClusterComputeResource > summary > totalCpu

Code API: 'CPU-Overall-CPUcapacity'
or 'S0 A9'

CPU > Overall > CPU effective capacity (MHz)

Source: Resource: ClusterComputeResource > summary > effectivecpu
megaHertz

Description: Effective CPU Resources

Code API: 'CPU-Overall-CPUeffectivecapacity'
or 'S0 A3'

CPU > Overall > CPU used (MHz)

Source: PerfManager: ClusterComputeResource > cpu > usagemhz > average

Description: The CPU utilization. This value is reported with 100% representing all processor cores on the system.

Comments: Requires Statistics Level 1.

Code API: 'CPU-Overall-CPUused'
or 'S0 A2'

CPU > Overall > CPU free effective (MHz)

Source: This metric is calculated by Sysload.

Description: CPU free effective.

Code API: 'CPU-Overall-CPUfreeeffective'
or 'S0 A4'

CPU > Overall > CPU % used effective (%)

Source: This metric is calculated by Sysload.

Description: CPU % used effective.

Code API: 'CPU-Overall-CPUpc_usedeffective'
or 'S0 A5'

CPU > Overall > CPU % free effective (%)

Source: This metric is calculated by Sysload.

Description: CPU % free effective

Code API: 'CPU-Overall-CPUpc_freeeffective'
or 'S0 A6'

CPU > Overall > CPU provisioned (MHz)

Source: This metric is calculated by Sysload.

Description: CPU provisioned

Code API: 'CPU-Overall-CPUprovisioned'
or 'S0 AB'

CPU > Overall > CPU % overcommitment (%)

Source: This metric is calculated by Sysload.

Description: CPU % overcommitment.

Code API: 'CPU-Overall-CPUpc_overcommitment'
or 'S0 A7'

Memory > Overall

Memory > Overall > memory capacity (MB)

Source: Resource: ClusterComputeResource > summary > totalMemory

Description: Memory capacity.

Code API: 'Memory-Overall-memorycapacity'
or 'S1 B8'

Memory > Overall > memory effective capacity (MB)

Source: Resource: ClusterComputeResource > summary > effectiveMemory
megaBytes

Description: Effective Memory Resources.

Comments: Requires stat level 1.

Code API: 'Memory-Overall-memoryeffectivecapacity'
or 'S1 B3'

Memory > Overall > memory active (MB)

Source: Managed Object - Performance Manager:ClusterComputeResource >
mem.active.average

Code API: 'Memory-Overall-memoryactive'
or 'S1 BD'

Memory > Overall > memory consumed (MB)

Source: Managed Object - Performance Manager: ClusterComputeResource > mem.consumed
(average)

Code API: 'Memory-Overall-memoryconsumed'
or 'S1 BE'

Memory > Overall > memory granted (MB)

Source: Managed Object - Performance Manager: ClusterComputeResource > mem > granted
> (average)

Code API: 'Memory-Overall-memorygranted'
or 'S1 BG'

Memory > Overall > memory free effective (MB)

Source: This metric is calculated by Sysload.

Code API: 'Memory-Overall-memoryfreeeffective'
or 'S1 B5'

Memory > Overall > memory % used effective (%)

Source: Managed Object - Performance Manager: ClusterComputeResource > mem > usage
(average)

Code API: 'Memory-Overall-memorypc_usedeffective'
or 'S1 B2'

Memory > Overall > memory % free effective (%)

Source: This metric is calculated by Sysload.

```
Code API: 'Memory-Overall-memorypc_freeeffective'  
or 'S1 B6'
```

Memory > Overall > memory provisioned (MB)

Source: This metric is calculated by Sysload.

```
Code API: 'Memory-Overall-memoryprovisioned'  
or 'S1 BC'
```

Memory > Overall > memory % overcommitment (%)

Source: This metric is calculated by Sysload.

```
Code API: 'Memory-Overall-memorypc_overcommitment'  
or 'S1 B7'
```

Host > Overall

Host > Overall > total hosts (no)

Source: This metric is calculated by Sysload.

```
Code API: 'Host-Overall-totalhosts'  
or 'S2 C2'
```

Host > Overall > hosts on-line (no)

Source: This metric is calculated by Sysload.

```
Code API: 'Host-Overall-hostsonline'  
or 'S2 C3'
```

Host > Overall > hosts off-line (no)

Source: This metric is calculated by Sysload.

```
Code API: 'Host-Overall-hostsoffline'  
or 'S2 C4'
```

Host > Overall > effective hosts (no)

Source: Resource: ClusterComputeResource > summary > numEffectiveHosts

```
Code API: 'Host-Overall-effectivehosts'  
or 'S2 C7'
```

Host > Overall > power usage (watt)

```
Code API: 'Host-Overall-powerusage'  
or 'S2 C5'
```

Host > Specific

Host > Specific > CPUs (no)

Source: Managed Object - Performance Manager: HostSystem > hardware > cpuInfo > numCpuCores

```
Code API: 'Host-Specific-CPUs'  
or 'AFFFF F4'
```

Host > Specific > CPU speed (MHz)

Source: Managed Object - Performance Manager: HostSystem > hardware > cpuInfo > hz

```
Code API: 'Host-Specific-CPUspeed'  
or 'AFFFF F0'
```

Host > Specific > CPU capacity (MHz)

Source: This metric is calculated by Sysload.

```
Code API: 'Host-Specific-CPUcapacity'  
or 'AFFFF F9'
```

Host > Specific > CPU used (MHz)

Source: Managed Object - Performance Manager: HostSystem > cpu > usagemhz (average)

Code API: 'Host-Specific-CPUUsed'
or 'AFFFF F3'

Host > Specific > CPU free (MHz)

Source: This metric is calculated by Sysload.

Code API: 'Host-Specific-CPUfree'
or 'AFFFF F7'

Host > Specific > CPU % used (%)

Source: Managed Object - Performance Manager: HostSystem > cpu > usage (average)

Code API: 'Host-Specific-CPUpc_used'
or 'AFFFF F2'

Host > Specific > CPU % free (%)

Source: This metric is calculated by Sysload.

Code API: 'Host-Specific-CPUpc_free'
or 'AFFFF F8'

Host > Specific > CPU reserved (MHz)

Code API: 'Host-Specific-CPUreserved'
or 'AFFFF FH'

Host > Specific > memory capacity (MB)

Source: Managed Object - Performance Manager: HostSystem > hardware > memorySize

Code API: 'Host-Specific-memorycapacity'
or 'AFFFF FA'

Host > Specific > memory consumed (MB)

Source: Managed Object - Performance Manager: HostSystem > mem > consumed (average)

Code API: 'Host-Specific-memoryconsumed'
or 'AFFFF F6'

Host > Specific > memory active (MB)

Source: Managed Object - Performance Manager: HostSystem > mem > active > average

Code API: 'Host-Specific-memoryactive'
or 'AFFFF FF'

Host > Specific > memory free (MB)

Source: This metric is calculated by Sysload.

Code API: 'Host-Specific-memoryfree'
or 'AFFFF FC'

Host > Specific > memory % consumed (%)

Source: Managed Object - Performance Manager: ClusterComputeResource > mem > usage (average)

Code API: 'Host-Specific-memorypc_consumed'
or 'AFFFF FD'

Host > Specific > memory % free (%)

Source: This metric is calculated by Sysload.

Code API: 'Host-Specific-memorypc_free'
or 'AFFFF FE'

Host > Specific > memory overhead (MB)

Code API: 'Host-Specific-memoryoverhead'
or 'AFFFF FL'

Host > Specific > memory shared (MB)

```
Code API: 'Host-Specific-memoryshared'  
or 'AFFFF FM'
```

Host > Specific > memory shared common (MB)

```
Code API: 'Host-Specific-memorysharedcommon'  
or 'AFFFF FN'
```

Host > Specific > memory reserved (MB)

```
Code API: 'Host-Specific-memoryreserved'  
or 'AFFFF FI'
```

Host > Specific > % uptime (%)

```
Code API: 'Host-Specific-pc_uptime'  
or 'AFFFF FJ'
```

Host > Specific > % downtime (%)

Source: This metric is calculated by Sysload.

```
Code API: 'Host-Specific-pc_downtime'  
or 'AFFFF FK'
```

Host > Specific > % maintenance mode (%)

Source: Managed Object - Performance Manager: HostSystem > runtime > inMaintenanceMode

```
Code API: 'Host-Specific-pc_maintenancemode'  
or 'AFFFF FP'
```

Host > Specific > total VMs (no)

Source: This metric is calculated by Sysload.

```
Code API: 'Host-Specific-totalVMs'  
or 'AFFFF F5'
```

Host > Specific > highest datastore latency (msec)

```
Code API: 'Host-Specific-highestdatastorelatency'  
or 'AFFFF FB'
```

Datastore > Overall

Datastore > Overall > storage capacity (GB)

Source: This metric is calculated by Sysload.

```
Code API: 'Datastore-Overall-storagecapacity'  
or 'S4 I2'
```

Datastore > Overall > storage used (GB)

```
Code API: 'Datastore-Overall-storageused'  
or 'S4 I3'
```

Datastore > Overall > storage free (GB)

```
Code API: 'Datastore-Overall-storagefree'  
or 'S4 I4'
```

Datastore > Overall > storage provisioned (GB)

```
Code API: 'Datastore-Overall-storageprovisioned'  
or 'S4 I5'
```

Datastore > Overall > storage % used (%)

```
Code API: 'Datastore-Overall-storagepc_used'  
or 'S4 I6'
```

Datastore > Overall > storage % free (%)

```
Code API: 'Datastore-Overall-storagepc_free'  
or 'S4 I7'
```

Datastore > Specific

Datastore > Specific > storage capacity (GB)

```
Code API: 'Datastore-Specific-storagecapacity'  
or 'BFFFF E3'
```

Datastore > Specific > storage used (GB)

```
Code API: 'Datastore-Specific-storageused'  
or 'BFFFF E4'
```

Datastore > Specific > storage free (GB)

```
Code API: 'Datastore-Specific-storagefree'  
or 'BFFFF E2'
```

Datastore > Specific > storage % used (%)

```
Code API: 'Datastore-Specific-storagepc_used'  
or 'BFFFF E7'
```

Datastore > Specific > storage % free (%)

```
Code API: 'Datastore-Specific-storagepc_free'  
or 'BFFFF E8'
```

Datastore > Specific > storage provisioned (GB)

```
Code API: 'Datastore-Specific-storageprovisioned'  
or 'BFFFF E5'
```

Datastore > Specific > storage % overcommitment (%)

```
Code API: 'Datastore-Specific-storagepc_overcommitment'  
or 'BFFFF E6'
```

Datastore > Specific > read requests rate (no/s)

```
Code API: 'Datastore-Specific-readrequestsrate'  
or 'BFFFF E9'
```

Datastore > Specific > write requests rate (no/s)

```
Code API: 'Datastore-Specific-writerequestsrate'  
or 'BFFFF EA'
```

Datastore > Specific > read rate (kB/s)

```
Code API: 'Datastore-Specific-readrate'  
or 'BFFFF EB'
```

Datastore > Specific > write rate (kB/s)

```
Code API: 'Datastore-Specific-writerate'  
or 'BFFFF EC'
```

Datastore > Specific > throughput (kB/s)

```
Code API: 'Datastore-Specific-throughput'  
or 'BFFFF EF'
```

Datastore > Specific > duration of an operation (msec)

```
Code API: 'Datastore-Specific-durationofanoperation'  
or 'BFFFF EG'
```

Resource pool > Specific

Resource pool > Specific > total VMs (no)

Source: This metric is calculated by Sysload.

Code API: 'Resourcepool-Specific-totalVMs'
or 'DFFFF HE'

Resource pool > Specific > CPU reservation (MHz)

Source: PerfManager: ResourcePool > config > cpuAllocation > reservation

Code API: 'Resourcepool-Specific-CPUreservation'
or 'DFFFF H2'

Resource pool > Specific > CPU unlimited (0/1)

Source: This metric is calculated by Sysload.

Code API: 'Resourcepool-Specific-CPUunlimited'
or 'DFFFF H3'

Resource pool > Specific > CPU shares (no)

Source: PerfManager: ResourcePool > config > memoryAllocation > shares > shares

Code API: 'Resourcepool-Specific-CPUshares'
or 'DFFFF H5'

Resource pool > Specific > CPU used (MHz)

Source: PerfManager: ResourcePool > cpu > usagemhz > average

Code API: 'Resourcepool-Specific-CPUused'
or 'DFFFF H6'

Resource pool > Specific > memory reservation (MB)

Source: PerfManager: ResourcePool > config > memoryAllocation > reservation

Code API: 'Resourcepool-Specific-memoryreservation'
or 'DFFFF H7'

Resource pool > Specific > memory unlimited (0/1)

Source: This metric is calculated by Sysload.

Code API: 'Resourcepool-Specific-memoryunlimited'
or 'DFFFF H8'

Resource pool > Specific > memory shares (no)

Source: PerfManger: ResourcePool > config > memoryAllocation > shares > shares

Code API: 'Resourcepool-Specific-memoryshares'
or 'DFFFF HA'

Resource pool > Specific > memory active (MB)

Source: PerfManager: ResourcePool > mem > active > average

Code API: 'Resourcepool-Specific-memoryactive'
or 'DFFFF HD'

Resource pool > Specific > memory consumed (MB)

Source: PerfManager: ResourcePool > mem > consumed > average

Code API: 'Resourcepool-Specific-memoryconsumed'
or 'DFFFF HG'

Resource pool > Specific > memory granted (MB)

Source: PerfManger: ResourcePool > mem > granted > average

Code API: 'Resourcepool-Specific-memorygranted'
or 'DFFFF HH'

Resource pool > Specific > memory balloon (MB)

Source: PerfManager: ResourcePool > mem > vmmemctl > average

Code API: 'Resourcepool-Specific-memoryballoon'
or 'DFFFF HJ'

VM > Overall

VM > Overall > total VMs (no)

Source: This metric is calculated by Sysload.

Code API: 'VM-Overall-totalVMs'
or 'S3 D2'

VM > Overall > VMs on-line (no)

Source: This metric is calculated by Sysload.

Code API: 'VM-Overall-VMsonline'
or 'S3 D3'

VM > Overall > VMs off-line (no)

Source: This metric is calculated by Sysload.

Code API: 'VM-Overall-VMsoffline'
or 'S3 D4'

VM > Overall > VM headroom (no)

Source: This metric is calculated by Sysload.

Code API: 'VM-Overall-VMheadroom'
or 'S3 D5'

VM > Specific

VM > Specific > virtual CPUs (no)

Source: PerfManager: VirtualMachine > config > hardware > numCPU

Code API: 'VM-Specific-virtualCPUs'
or 'CFFFF GD'

VM > Specific > CPU provisioned (MHz)

Source: This metric is calculated by Sysload.

Code API: 'VM-Specific-CPUprovisioned'
or 'CFFFF GX'

VM > Specific > CPU reservation (MHz)

Source: PerfManager: VirtualMachine > config > cpuAllocation > reservation

Code API: 'VM-Specific-CPUreservation'
or 'CFFFF G8'

VM > Specific > CPU unlimited (0/1)

Source: This metric is calculated by Sysload.

Code API: 'VM-Specific-CPUunlimited'
or 'CFFFF GF'

VM > Specific > CPU limit (MHz)

Source: This metric is calculated by Sysload.

Code API: 'VM-Specific-CPUlimit'
or 'CFFFF G9'

VM > Specific > CPU shares (no)

Source: PerfManager: VirtualMachine > config > cpuAllocation > shares > shares

Code API: 'VM-Specific-CPUshares'
or 'CFFFF G7'

VM > Specific > CPU used (MHz)

Source: PerfManager: VirtualMachine > cpu > usagemhz > average

Code API: 'VM-Specific-CPUUsed'
or 'CFFFF G3'

VM > Specific > CPU % use (%)

Source: PerfManager: VirtualMachine > cpu > usage > average

Code API: 'VM-Specific-CPUpc_use'
or 'CFFFF G2'

VM > Specific > CPU % ready (%)

Source: This metric is calculated by Sysload.

Code API: 'VM-Specific-CPUpc_ready'
or 'CFFFF GL'

VM > Specific > memory provisioned (MB)

Source: VirtualMachine > config > hardware > memoryMB

Code API: 'VM-Specific-memoryprovisioned'
or 'CFFFF GW'

VM > Specific > memory reservation (MB)

Source: VirtualMachine > config > memoryAllocation > reservation

Code API: 'VM-Specific-memoryreservation'
or 'CFFFF GB'

VM > Specific > memory unlimited (0/1)

Source: This metric is calculated by Sysload.

Code API: 'VM-Specific-memoryunlimited'
or 'CFFFF GE'

VM > Specific > memory limit (MB)

Source: This metric is calculated by Sysload.

Code API: 'VM-Specific-memorylimit'
or 'CFFFF GC'

VM > Specific > memory shares (no)

Source: Performance Manager - VirtualMachine: config > memoryAllocation > shares > shares

Code API: 'VM-Specific-memoryshares'
or 'CFFFF GA'

VM > Specific > memory active (MB)

Source: Performance Manager - VirtualMachine: mem > active (average)

Code API: 'VM-Specific-memoryactive'
or 'CFFFF GO'

VM > Specific > memory % usage (%)

Source: Performance Manager - VirtualMachine: mem > usage (average)

Code API: 'VM-Specific-memorypc_usage'
or 'CFFFF G4'

VM > Specific > memory granted (MB)

Source: Performance Manager - VirtualMachine: mem > granted (average)

Code API: 'VM-Specific-memorygranted'
or 'CFFFF GG'

VM > Specific > memory consumed (MB)

Source: Performance Manager - VirtualMachine: mem > consumed (average)

Code API: 'VM-Specific-memoryconsumed'
or 'CFFFF GH'

VM > Specific > memory overhead (MB)

Source: Performance Manager - VirtualMachine: mem > overhead (average)

Code API: 'VM-Specific-memoryoverhead'
or 'CFFFF GM'

VM > Specific > memory shared (MB)

Source: Performance Manager - VirtualMachine: mem > shared (average)

Code API: 'VM-Specific-memoryshared'
or 'CFFFF GN'

VM > Specific > memory swapped (MB)

Source: Performance Manager - VirtualMachine: mem > swapped (average)

Code API: 'VM-Specific-memoryswapped'
or 'CFFFF GP'

VM > Specific > memory swapped in (MB)

Source: Performance Manager - VirtualMachine: mem > swapin (average)

Code API: 'VM-Specific-memoryswappedin'
or 'CFFFF GQ'

VM > Specific > memory swapped out (MB)

Source: Performance Manager - VirtualMachine: memory > swapout (average)

Code API: 'VM-Specific-memoryswappedout'
or 'CFFFF GR'

VM > Specific > memory balloon (MB)

Source: Performance Manager - VirtualMachine: mem > vmmemctl (average)

Code API: 'VM-Specific-memoryballoon'
or 'CFFFF GS'

VM > Specific > storage provisioned (GB)

Source: Performance Manager - VirtualMachine: disk > provisioned (latest)

Code API: 'VM-Specific-storageprovisioned'
or 'CFFFF GT'

VM > Specific > storage used (GB)

Source: Performance Manager - VirtualMachine: disk > used (latest)

Code API: 'VM-Specific-storageused'
or 'CFFFF GI'

VM > Specific > disk commands issued (no)

Source: Performance Manager - VirtualMachine: disk > commands (summation)

Code API: 'VM-Specific-diskcommandsissued'
or 'CFFFF GU'

VM > Specific > disk commands aborted (no)

Source: Performance Manager - VirtualMachine: disk > commandsAborted (summation)

Code API: 'VM-Specific-diskcommandsaborted'
or 'CFFFF GV'

VM > Specific > disk read throughput (kB/s)

Source: Performance Manager - VirtualMachine: disk > read (average)

Code API: 'VM-Specific-diskreadthroughput'
or 'CFFFF GY'

VM > Specific > disk write throughput (kB/s)

Source: Performance Manager - VirtualMachine: disk > write (average)

Code API: 'VM-Specific-diskwritethroughput'
or 'CFFFF GZ'

VM > Specific > disk throughput (kB/s)

Source: Performance Manager - VirtualMachine: disk > usage (average)

Code API: 'VM-Specific-diskthroughput'
or 'CFFFF G6'

VM > Specific > network throughput (kB/s)

Source: Performance Manager - VirtualMachine: net > usage (average)

Code API: 'VM-Specific-networkthroughput'
or 'CFFFF G5'

VM > Specific > highest datastore latency (msec)

Code API: 'VM-Specific-highestdatastorelatency'
or 'CFFFF Ga'

VM > Specific > % uptime (%)

Source: This metric is calculated by Sysload.

Code API: 'VM-Specific-pc_uptime'
or 'CFFFF GJ'

VM > Specific > % downtime (%)

Source: This metric is calculated by Sysload.

Code API: 'VM-Specific-pc_downtime'
or 'CFFFF GK'