

# Agent for IBM VIOS

The Agent monitors IBM VIOS

IBM commands used to collect VIOS metrics:

netstat -v: [http://pic.dhe.ibm.com/infocenter/aix/v7r1/index.jsp?topic=%2Fcom.ibm.aix.prftungd%2Fdoc%2Fprftungd%2Fnestat\\_v.htm](http://pic.dhe.ibm.com/infocenter/aix/v7r1/index.jsp?topic=%2Fcom.ibm.aix.prftungd%2Fdoc%2Fprftungd%2Fnestat_v.htm)

fcstat:

[http://pic.dhe.ibm.com/infocenter/aix/v7r1/index.jsp?topic=%2Fcom.ibm.aix.prftungd%2Fdoc%2Fprftungd%2Fnestat\\_v.htm](http://pic.dhe.ibm.com/infocenter/aix/v7r1/index.jsp?topic=%2Fcom.ibm.aix.prftungd%2Fdoc%2Fprftungd%2Fnestat_v.htm)

**Note:** In addition to the metrics listed below, the Agent exposes diagnostic metrics. Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Rev.23/09/2013

## Shared ethernet adapter > Specific

[Adaptateur ethernet partagé > Spécifique](#)

### Shared ethernet adapter > Specific > bandwidth (kb/s)

Source: IBM netstat -v command

General Statistics > Adapter Data Rate

Description: Bandwidth

Comments: The netstat metric 'General Statistics > Adapter Data Rate' has been noticed to have a zero value. In this case, look at physical ethernet adapters individually.

Code API: 'Sharedethernetadapter-Specific-bandwidth'  
or 'nFFFF nG'

### Shared ethernet adapter > Specific > used bandwidth (%)

Source: IBM netstat -v command

CALCULATED = 'transmit/receive throughput' / 'bandwidth' \* 100 In the case the metric 'bandwidth' has a value '0', this metric 'used bandwidth (%)' is set to '0'.

Description: Percentage of used bandwidth

Code API: 'Sharedethernetadapter-Specific-usedbandwidth'  
or 'nFFFF nF'

### Shared ethernet adapter > Specific > transmit throughput (kb/s)

Source: IBM netstat -v command

Transmit Statistics > Bytes

Description: Transmit throughput

Code API: 'Sharedethernetadapter-Specific-transmitthroughput'  
or 'nFFFF n4'

### Shared ethernet adapter > Specific > receive throughput (kb/s)

Source: IBM netstat -v command

Receive Statistics > Bytes

Description: Receive throughput

Code API: 'Sharedethernetadapter-Specific-receivethroughput'  
or 'nFFFF n5'

### Shared ethernet adapter > Specific > transmit/receive throughput (kb/s)

Source: IBM netstat -v command

(Transmit Statistics > Bytes) + (Receive Statistics > Bytes)

Description: Transmit/Receive throughput

Code API: 'Sharedethernetadapter-Specific-transmitreceivevethroughput'  
or 'nFFFF n6'

#### ***Shared ethernet adapter > Specific > transmit packets (no/s)***

Source: IBM netstat -v command

Transmit Statistics > Packets

Description: Number of transmitted packets

Code API: 'Sharedethernetadapter-Specific-transmitpackets'  
or 'nFFFF n2'

#### ***Shared ethernet adapter > Specific > receive packets (no/s)***

Source: IBM netstat -v command

Receive Statistics > Packets

Description: Number of receive packets

Code API: 'Sharedethernetadapter-Specific-receivepackets'  
or 'nFFFF n3'

#### ***Shared ethernet adapter > Specific > transmit interrupts (no/s)***

Source: IBM netstat -v command

Transmit Statistics > Interrupts

Description: Number of transmit interrupts

Code API: 'Sharedethernetadapter-Specific-transmitinterrupts'  
or 'nFFFF n7'

#### ***Shared ethernet adapter > Specific > receive interrupts (no/s)***

Source: IBM netstat -v command

Receive Statistics > Interrupts

Description: Number of receive interrupts

Code API: 'Sharedethernetadapter-Specific-receiveinterrupts'  
or 'nFFFF n8'

#### ***Shared ethernet adapter > Specific > transmit errors (no/s)***

Source: IBM netstat -v command

Transmit Statistics > Errors

Description: Number of transmitted errors

Code API: 'Sharedethernetadapter-Specific-transmiterrors'  
or 'nFFFF n9'

#### ***Shared ethernet adapter > Specific > receive errors (no/s)***

Source: IBM netstat -v command

Receive Statistics > Errors

Description: Number of receive errors

Code API: 'Sharedethernetadapter-Specific-receiveerrors'  
or 'nFFFF nA'

#### ***Shared ethernet adapter > Specific > transmit packets dropped (no/s)***

Source: IBM netstat -v command

Transmit Statistics > Packets Dropped

Description: This is the number of transmit packets dropped

Code API: 'Sharedethernetadapter-Specific-transmitpacketsdropped'  
or 'nFFFF nB'

### *Shared ethernet adapter > Specific > receive packets dropped (no/s)*

Source: IBM netstat -v command

Receive Statistics > Packets Dropped

Description: This is the number receive packets dropped

Code API: 'Sharedethernetadapter-Specific-receivepacketsdropped'  
or 'nFFFF nC'

## Physical ethernet adapter > Specific

Adaptateur ethernet physique > Spécifique

### *Physical ethernet adapter > Specific > bandwidth (kb/s)*

Source: IBM netstat -v command

General Statistics > Media Speed Running

Description: Bandwidth of the physical adapter

Code API: 'Physicalethernetadapter-Specific-bandwidth'  
or 'mFFFF nG'

### *Physical ethernet adapter > Specific > used bandwidth (%)*

Source: IBM netstat -v command

The Agent calculates the metric value.  $\text{MAX} ('receive\ throughput', 'transmit\ throughput') / 'bandwidth' * 100$ .

Description: Percentage of used bandwidth. In the case of full duplex adapters, the total bandwidth is not considered as just doubled; the metric shows a full utilization as soon as the receive traffic reaches the input bandwidth or the transmit traffic reaches the output bandwidth.

Code API: 'Physicalethernetadapter-Specific-usedbandwidth'  
or 'mFFFF nF'

### *Physical ethernet adapter > Specific > transmit throughput (kb/s)*

Source: IBM netstat -v command

Transmit Statistics > Bytes

Description: Transmit throughput (kb/s)

Code API: 'Physicalethernetadapter-Specific-transmitthroughput'  
or 'mFFFF n4'

### *Physical ethernet adapter > Specific > receive throughput (kb/s)*

Source: IBM netstat -v command

Receive Statistics > Bytes

Description: Receive throughput (kb/s)

Code API: 'Physicalethernetadapter-Specific-receivethroughput'  
or 'mFFFF n5'

### *Physical ethernet adapter > Specific > transmit/receive throughput (kb/s)*

Source: IBM netstat -v command

(Transmit Statistics > Bytes) + (Receive Statistics > Bytes)

Description: Transmit/receive throughput

Code API: 'Physicalethernetadapter-Specific-transmitreceivethroughput'  
or 'mFFFF n6'

### *Physical ethernet adapter > Specific > transmit packets (no/s)*

Source: IBM netstat -v command

Transmit Statistics > Packets

Description: Number of transmit packets

Code API: 'Physicalethernetadapter-Specific-transmitpackets'  
or 'mFFFF n2'

#### *Physical ethernet adapter > Specific > receive packets (no/s)*

Source: IBM netstat -v command

Receive Statistics > Packets

Description: Number of receive packets

Code API: 'Physicalethernetadapter-Specific-receivepackets'  
or 'mFFFF n3'

#### *Physical ethernet adapter > Specific > transmit interrupts (no/s)*

Source: IBM netstat -v command

Transmit Statistics > Interrupts

Description: Number of transmit interrupts

Code API: 'Physicalethernetadapter-Specific-transmitinterrupts'  
or 'mFFFF n7'

#### *Physical ethernet adapter > Specific > receive interrupts (no/s)*

Source: IBM netstat -v command

Receive Statistics > Interrupts

Description: Number of Receive interrupts (no/s)

Code API: 'Physicalethernetadapter-Specific-receiveinterrupts'  
or 'mFFFF n8'

#### *Physical ethernet adapter > Specific > transmit errors (no/s)*

Source: IBM netstat -v command

Transmit Statistics > Errors

Description: The number transmit errors

Code API: 'Physicalethernetadapter-Specific-transmiterrors'  
or 'mFFFF n9'

#### *Physical ethernet adapter > Specific > receive errors (no/s)*

Source: IBM netstat -v command

Receive Statistics > Errors

Description: The number of receive errors

Code API: 'Physicalethernetadapter-Specific-receiveerrors'  
or 'mFFFF nA'

#### *Physical ethernet adapter > Specific > transmit packets dropped (no/s)*

Source: IBM netstat -v command

Transmit Statistics > Packets Dropped

Description: This is the number of transmit packets dropped

Code API: 'Physicalethernetadapter-Specific-transmitpacketsdropped'  
or 'mFFFF nB'

#### *Physical ethernet adapter > Specific > receive packets dropped (no/s)*

Source: IBM netstat -v command

Receive Statistics > Packets Dropped

Description: The number of receive packets dropped

Code API: 'Physicalethernetadapter-Specific-receivepacketsdropped'  
or 'mFFFF nC'

#### **Physical ethernet adapter > Specific > uptime (%)**

Source: IBM netstat -v command

100% when 'Device Type Specific Statistics > Link Status' = 'Up'

Description: Percentage uptime

Code API: 'Physicalethernetadapter-Specific-uptime'  
or 'mFFFF nD'

#### **Physical ethernet adapter > Specific > downtime (%)**

Source: IBM netstat -v command

100% when 'Device Type Specific Statistics > Link Status' is not 'Up'

Description: Percentage downtime

Code API: 'Physicalethernetadapter-Specific-downtime'  
or 'mFFFF nE'

### **Virtual ethernet adapter > Specific**

[Adaptateur ethernet virtuel > Spécifique](#)

#### **Virtual ethernet adapter > Specific > bandwidth (kb/s)**

Source: IBM netstat -v command

General Statistics > Adapter Data Rate

Description: Bandwidth

Code API: 'Virtual ethernet adapter-Specific-bandwidth'  
or 'oFFFF nG'

#### **Virtual ethernet adapter > Specific > used bandwidth (%)**

Source: IBM netstat -v command

CALCULATED = 'transmit/receive throughput' / 'bandwidth' \* 100

Description: Percentage of used bandwidth

Code API: 'Virtual ethernet adapter-Specific-usedbandwidth'  
or 'oFFFF nF'

#### **Virtual ethernet adapter > Specific > transmit throughput (kb/s)**

Source: IBM netstat -v command

Transmit Statistics > Bytes

Description: Transmit throughput (kb/s)

Code API: 'Virtual ethernet adapter-Specific-transmitthroughput'  
or 'oFFFF n4'

#### **Virtual ethernet adapter > Specific > receive throughput (kb/s)**

Source: IBM netstat -v command

Receive Statistics > Bytes

Description: Number of receive packets

Code API: 'Virtual ethernet adapter-Specific-receivethroughput'  
or 'oFFFF n5'

#### **Virtual ethernet adapter > Specific > transmit/receive throughput (kb/s)**

Source: IBM netstat -v command

(Transmit Statistics > Bytes) + (Receive Statistics > Bytes)

Description: Transmit/receive throughput (kb/s)

Code API: 'VirtualEthernetAdapter-Specific-transmitreceivethroughput'  
or 'oFFFF n6'

#### ***Virtual ethernet adapter > Specific > transmit packets (no/s)***

Source: IBM netstat -v command

Transmit Statistics > Packets

Description: Number of transmit packets

Code API: 'VirtualEthernetAdapter-Specific-transmitpackets'  
or 'oFFFF n2'

#### ***Virtual ethernet adapter > Specific > receive packets (no/s)***

Source: IBM netstat -v command

Receive Statistics > Packets

Description: Number of receive packets

Code API: 'VirtualEthernetAdapter-Specific-receivepackets'  
or 'oFFFF n3'

#### ***Virtual ethernet adapter > Specific > transmit interrupts (no/s)***

Source: IBM netstat -v command

Transmit Statistics > Interrupts

Description: Number of transmit interrupts

Code API: 'VirtualEthernetAdapter-Specific-transmitinterrupts'  
or 'oFFFF n7'

#### ***Virtual ethernet adapter > Specific > receive interrupts (no/s)***

Source: IBM netstat -v command

Receive Statistics > Bytes

Description: Number of Receive interrupts (no/s)

Code API: 'VirtualEthernetAdapter-Specific-receiveinterrupts'  
or 'oFFFF n8'

#### ***Virtual ethernet adapter > Specific > transmit errors (no/s)***

Source: IBM netstat -v command

Transmit Statistics > Errors

Description: Number of transmit errors

Code API: 'VirtualEthernetAdapter-Specific-transmiterrors'  
or 'oFFFF n9'

#### ***Virtual ethernet adapter > Specific > receive errors (no/s)***

Source: IBM netstat -v command

Receive Statistics > Errors

Description: Number of receive errors

Code API: 'VirtualEthernetAdapter-Specific-receiveerrors'  
or 'oFFFF nA'

#### ***Virtual ethernet adapter > Specific > transmit packets dropped (no/s)***

Source: IBM netstat -v command

Transmit Statistics > Packets Dropped

Description: Transmit packets dropped

Code API: 'VirtualEthernetAdapter-Specific-transmitpacketdropped'  
or 'oFFFF nB'

### *Virtual ethernet adapter > Specific > receive packets dropped (no/s)*

Source: IBM netstat -v command

Receive Statistics > Packets Dropped

Description: The number of receive packets dropped

Code API: 'Virtual ethernet adapter-Specific-receive packets dropped'  
or 'oFFFF nC'

## Link aggregation ethernet adapter > Specific

Adaptateur ethernet d'agrégation de liens > Spécifique

### *Link aggregation ethernet adapter > Specific > bandwidth (kb/s)*

Source: IBM netstat -v command

General Statistics > Adapter Data Rate

Description: Bandwidth

Code API: 'Link aggregation ethernet adapter-Specific-bandwidth'  
or 'pFFFF nG'

### *Link aggregation ethernet adapter > Specific > used bandwidth (%)*

Source: IBM netstat -v command

CALCULATED = 'transmit/receive throughput' / 'bandwidth' \* 100

Description: Used bandwidth

Code API: 'Link aggregation ethernet adapter-Specific-used bandwidth'  
or 'pFFFF nF'

### *Link aggregation ethernet adapter > Specific > transmit throughput (kb/s)*

Source: IBM netstat -v command

Transmit Statistics > Bytes

Description: Transmit throughput

Code API: 'Link aggregation ethernet adapter-Specific-transmit throughput'  
or 'pFFFF n4'

### *Link aggregation ethernet adapter > Specific > receive throughput (kb/s)*

Source: IBM netstat -v command

Receive Statistics > Bytes

Description: Receive throughput

Code API: 'Link aggregation ethernet adapter-Specific-receive throughput'  
or 'pFFFF n5'

### *Link aggregation ethernet adapter > Specific > transmit/receive throughput (kb/s)*

Source: IBM netstat -v command

(Transmit Statistics > Bytes) + (Receive Statistics > Bytes)

Description: Transmit/receive throughput

Code API: 'Link aggregation ethernet adapter-Specific-transmit/receive throughput'  
or 'pFFFF n6'

### *Link aggregation ethernet adapter > Specific > transmit packets (no/s)*

Source: IBM netstat -v command

Transmit Statistics > Packets

Description: The number of transmit packets

Code API: 'Link aggregation ethernet adapter-Specific-transmit packets'  
or 'pFFFF n2'

### *Link aggregation ethernet adapter > Specific > receive packets (no/s)*

Source: IBM netstat -v command

Receive Statistics > Packets

Description: The number of receive packets

Code API: 'Linkaggregationethernetadapter-Specific-receivepackets'  
or 'pFFFF n3'

### *Link aggregation ethernet adapter > Specific > transmit interrupts (no/s)*

Source: IBM netstat -v command

Transmit Statistics > Interrupts

Description: The number of transmit interrupts

Code API: 'Linkaggregationethernetadapter-Specific-transmitinterrupts'  
or 'pFFFF n7'

### *Link aggregation ethernet adapter > Specific > receive interrupts (no/s)*

Source: IBM netstat -v command

Receive Statistics > Bytes

Description: Receive interrupts

Code API: 'Linkaggregationethernetadapter-Specific-receiveinterrupts'  
or 'pFFFF n8'

### *Link aggregation ethernet adapter > Specific > transmit errors (no/s)*

Source: IBM netstat -v command

Transmit Statistics > Errors

Description: The number of transmit errors

Code API: 'Linkaggregationethernetadapter-Specific-transmiterrors'  
or 'pFFFF n9'

### *Link aggregation ethernet adapter > Specific > receive errors (no/s)*

Source: IBM netstat -v command

Receive Statistics > Errors

Description: The number of receive errors

Code API: 'Linkaggregationethernetadapter-Specific-receiveerrors'  
or 'pFFFF nA'

### *Link aggregation ethernet adapter > Specific > transmit packets dropped (no/s)*

Source: IBM netstat -v command

Transmit Statistics > Packets Dropped

Description: The number of transmit packets dropped

Code API: 'Linkaggregationethernetadapter-Specific-transmitpacketsdropped'  
or 'pFFFF nB'

### *Link aggregation ethernet adapter > Specific > receive packets dropped (no/s)*

Source: IBM netstat -v command

Receive Statistics > Packets Dropped

Description: The number of receive packets dropped

Code API: 'Linkaggregationethernetadapter-Specific-receivepacketsdropped'  
or 'pFFFF nC'

## **Physical FC adapter > Specific**

Adaptateur FC physique > Spécifique



### ***Physical FC adapter > Specific > bandwidth (kb/s)***

Source: IBM fcstat command

Port Speed (running)

Description: Bandwidth

Code API: 'PhysicalFCadapter-Specific-bandwidth'  
or 'qFFFF q2'

### ***Physical FC adapter > Specific > used bandwidth (%)***

Source: IBM fcstat command

CALCULATION = Physical FC adapter > transmit/receive throughput / Physical FC adapter > bandwidth \* 100

Description: Percentage of used bandwidth

Code API: 'PhysicalFCadapter-Specific-usedbandwidth'  
or 'qFFFF q3'

### ***Physical FC adapter > Specific > transmit throughput (kb/s)***

Source: IBM fcstat command

FC SCSI Traffic Statistics > Output Bytes

Description: Transmit throughput

Code API: 'PhysicalFCadapter-Specific-transmitthroughput'  
or 'qFFFF q4'

### ***Physical FC adapter > Specific > receive throughput (kb/s)***

Source: IBM fcstat command

FC SCSI Traffic Statistics > Input Bytes

Description: Receive throughput

Code API: 'PhysicalFCadapter-Specific-receivethroughput'  
or 'qFFFF q5'

### ***Physical FC adapter > Specific > transmit/receive throughput (kb/s)***

Source: IBM fcstat command

CALCULATION = FC SCSI Traffic Statistics > Output Bytes + FC SCSI Traffic Statistics > Input Bytes

Description: Transmit/receive throughput (kb/s)

Code API: 'PhysicalFCadapter-Specific-transmitreceivethroughput'  
or 'qFFFF q6'

### ***Physical FC adapter > Specific > transmit requests (no/s)***

Source: IBM fcstat command

FC SCSI Traffic Statistics > Output Requests

Description: Number of transmit requests (no/s)

Code API: 'PhysicalFCadapter-Specific-transmitrequests'  
or 'qFFFF q7'

### ***Physical FC adapter > Specific > receive requests (no/s)***

Source: IBM fcstat command

FC SCSI Traffic Statistics > Input Requests

Description: Number of receive requests

Code API: 'PhysicalFCadapter-Specific-receiverequests'  
or 'qFFFF q8'

### ***Physical FC adapter > Specific > transmit frames (no/s)***

Source: IBM fcstat command  
Transmit Statistics > Frames  
Description: Number of transmit frames  
Code API: 'PhysicalFCadapter-Specific-transmitframes'  
or 'qFFFF q9'

#### **Physical FC adapter > Specific > receive frames (no/s)**

Source: IBM fcstat command  
Receive Statistics > Frames  
Description: The number of receive frames  
Code API: 'PhysicalFCadapter-Specific-receiveframes'  
or 'qFFFF qA'

#### **Physical FC adapter > Specific > transmit words (no/s)**

Source: IBM fcstat command  
Transmit Statistics > Words  
Description: The number of transmit words  
Code API: 'PhysicalFCadapter-Specific-transmitwords'  
or 'qFFFF qB'

#### **Physical FC adapter > Specific > receive words (no/s)**

Source: IBM fcstat command  
Receive Statistics > Words  
Description: The number of receive words  
Code API: 'PhysicalFCadapter-Specific-receivewords'  
or 'qFFFF qC'

## **Processor activity > Overall**

Activité processeur > Globale

#### **Processor activity > Overall > %user mode (%) [%user]**

Activité processeur > Globale > %mode utilisateur (%) [%utilisateur]

Description: Refer to Agent for Unix  
Code API: 'Processoractivity-Overall-pc\_usermode'  
or 'SCPU V1'

#### **Processor activity > Overall > %system mode (%) [%sys]**

Activité processeur > Globale > %mode noyau (%) [%noyau]

Description: Refer to Agent for Unix  
Code API: 'Processoractivity-Overall-pc\_systemmode'  
or 'SCPU V2'

#### **Processor activity > Overall > %wait for I/O completion (%) [%wait]**

Activité processeur > Globale > %attente de fin d'entrée-sortie (%) [%attente fin E-S]

Description: Refer to Agent for Unix  
Code API: 'Processoractivity-Overall-pc\_waitforIOcompletion'  
or 'SCPU V3'

#### **Processor activity > Overall > %idle time (%) [%idle]**

Activité processeur > Globale > %durée d'inactivité (%) [%inactivité]

Description: Refer to Agent for Unix  
Code API: 'Processoractivity-Overall-pc\_idletime'  
or 'SCPU V4'

#### **Processor activity > Overall > total Cpu use (%)**

Activité processeur > Globale > consommation Cpu totale (%) [charge Cpu]

Description: Refer to Agent for Unix

Code API: 'Processoractivity-Overall-totalCpuuse'  
or 'SCPU V5'

### **Processor activity > Overall > system contribution (%)**

Activité processeur > Globale > contribution mode noyau (%) [contribution noyau]

Description: Refer to Agent for Unix

Code API: 'Processoractivity-Overall-systemcontribution'  
or 'SCPU V6'

### **Processor activity > Overall > number of known processes (no) [known processes]**

Activité processeur > Globale > nb processus connus du système (nb) [processus connus]

Description: Refer to Agent for Unix

Code API: 'Processoractivity-Overall-numberofknownprocesses'  
or 'SCPU V7'

### **Processor activity > Overall > context switches (no/s)**

Activité processeur > Globale > nb commutations de processus (nb/s) [commutations]

Description: Refer to Agent for Unix

Code API: 'Processoractivity-Overall-contextswitches'  
or 'SCPU V8'

### **Processor activity > Overall > run queue occupation time (%) [run queue occ.]**

Activité processeur > Globale > taux d'attente proc. éligibles (%) [tx attente exécution]

Description: Refer to Agent for Unix

Code API: 'Processoractivity-Overall-runqueueoccupationtime'  
or 'SCPU V9'

### **Processor activity > Overall > average run queue length (no) [queue length]**

Activité processeur > Globale > nb processus éligibles (nb) [processus éligibles]

Description: Refer to Agent for Unix

Code API: 'Processoractivity-Overall-averagerunqueuelength'  
or 'SCPU VA'

### **Processor activity > Overall > total system calls (no/s) [system calls]**

Activité processeur > Globale > ensemble des appels systèmes (nb/s) [appels systèmes]

Description: Refer to Agent for Unix

Code API: 'Processoractivity-Overall-totalsystemcalls'  
or 'SCPU VB'

### **Processor activity > Overall > read and write system calls (%) [rd/wr system calls]**

Activité processeur > Globale > taux d'appels read et write (%) [tx as read/write]

Description: Refer to Agent for Unix

Code API: 'Processoractivity-Overall-readandwritesystemcalls'  
or 'SCPU VC'

### **Processor activity > Overall > entitled processing capacity (ent) (no) [ent]**

Activité processeur > Globale > capacité processeur allouée (ent) (nb) [ent]

Description: Refer to Agent for Unix

Code API: 'Processoractivity-Overall-entitledprocessingcapacity\_ent'  
or 'SCPU VI'

### **Processor activity > Overall > entitled capacity consumed (entc) (%) [%entc]**

Activité processeur > Globale > capacité allouée consommée (entc) (%) [%entc]

Description: Refer to Agent for Unix

Code API: 'Processoractivity-Overall-entitledcapacityconsumed\_entc'  
or 'SCPU VF'

### **Processor activity > Overall > physical proc. consumed (physc) (no) [physc]**

Activité processeur > Globale > proc. physique consommé (physc) (nb) [physc]

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Overall-physicalproconsumed\_physc'  
or 'SCPU VE'

### **Processor activity > Overall > available physical proc. (app) (no) [app]**

*Activité processeur > Globale > proc. physique disponible (app) (nb) [app]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Overall-availablephysicalproc\_app'  
or 'SCPU VG'

### **Processor activity > Overall > logical proc. utilization (lbusy) (%) [lbusy]**

*Activité processeur > Globale > utilisation proc. logiques (lbusy) (%) [lbusy]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Overall-logicalprocutilization\_lbusy'  
or 'SCPU VH'

### **Processor activity > Overall > min total Cpu use (%)**

*Activité processeur > Globale > consommation Cpu totale min (%) [charge Cpu min]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Overall-mintotalCpuuse'  
or 'SCPU VJ'

### **Processor activity > Overall > max total Cpu use (%)**

*Activité processeur > Globale > consommation Cpu totale max (%) [charge Cpu max]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Overall-maxtotalCpuuse'  
or 'SCPU VK'

### **Processor activity > Overall > load average over 1 min (no) [loadavg 1 min]**

*Activité processeur > Globale > load average over 1 mn (nb) [loadavg 1 mn]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Overall-loadaverageover1min'  
or 'SCPU VL'

### **Processor activity > Overall > load average over 5 min (no) [loadavg 5 min]**

*Activité processeur > Globale > load average over 5 mn (nb) [loadavg 5 mn]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Overall-loadaverageover5min'  
or 'SCPU VM'

### **Processor activity > Overall > load average over 15 min (no) [loadavg 15 min]**

*Activité processeur > Globale > load average over 15 mn (nb) [loadavg 15 mn]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Overall-loadaverageover15min'  
or 'SCPU VN'

### **Processor activity > Overall > number of processor cores (no) [processor cores no]**

*Activité processeur > Globale > nombre de coeurs (nb) [nb de coeurs]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Overall-numberofprocessorcores'  
or 'SCPU VP'

### **Processor activity > Overall > processor frequency (MHz)**

*Activité processeur > Globale > fréquence du processeur (MHz) [fréquence du processeur]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Overall-processorfrequency'  
or 'SCPU VR'

### **Processor activity > Overall > number of active physical processors (no) [active physical processors]**

*Activité processeur > Globale > nb de processeurs physiques actifs (nb) [processeurs physiques actifs]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Overall-numberofactivephysicalprocessors'  
or 'SCPU VS'

### **Processor activity > Overall > number of logical processors (no) [logical processors]**

*Activité processeur > Globale > nb processeurs logiques (nb) [processeurs logiques]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Overall-numberoflogicalprocessors'  
or 'SCPU V0'

## **Processor activity > Specific**

*Activité processeur > Spécifique*

### **Processor activity > Specific > %user mode (%) [%user]**

*Activité processeur > Spécifique > %mode utilisateur (%) [%utilisateur]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Specific-pc\_usermode'  
or 'C? K1'

### **Processor activity > Specific > %system mode (%) [%sys]**

*Activité processeur > Spécifique > %mode noyau (%) [%noyau]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Specific-pc\_systemmode'  
or 'C? K2'

### **Processor activity > Specific > %wait for I/O completion (%) [%wait]**

*Activité processeur > Spécifique > %attente de fin d'entrée-sortie (%) [%attente fin E-S]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Specific-pc\_waitforIOcompletion'  
or 'C? K3'

### **Processor activity > Specific > %idle time (%)**

*Activité processeur > Spécifique > %durée d'inactivité (%) [%inactivité]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Specific-pc\_idletime'  
or 'C? K4'

### **Processor activity > Specific > total Cpu use (%) [total Cpu]**

*Activité processeur > Spécifique > consommation Cpu totale (%) [charge Cpu]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Specific-totalCpuuse'  
or 'C? K5'

### **Processor activity > Specific > system contribution (%)**

*Activité processeur > Spécifique > contribution mode noyau (%) [contribution noyau]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Specific-systemcontribution'  
or 'C? K6'

### **Processor activity > Specific > number of known processes (no) [known processes]**

*Activité processeur > Spécifique > nb processus connus du système (nb) [processus connus]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Specific-numberofknownprocesses'  
or 'C? K7'

### **Processor activity > Specific > context switches (no/s)**

*Activité processeur > Spécifique > nb commutations de processus (nb/s) [commutations]*

**Description:** Refer to Agent for Unix

**Code API:** 'Processoractivity-Specific-contextswitches'  
or 'C? K8'

### **Processor activity > Specific > run queue occupation time (%) [run queue occ.]**

Activité processeur > Spécifique > taux d'attente proc. éligibles (%) [tx attente exécution]

Description: Refer to Agent for Unix

Code API: 'Processoractivity-Specific-runqueueoccupationtime'  
or 'C? K9'

### **Processor activity > Specific > average run queue length (no) [queue length]**

Activité processeur > Spécifique > nb processus éligibles (nb) [processus éligibles]

Description: Refer to Agent for Unix

Code API: 'Processoractivity-Specific-averagerunqueuelength'  
or 'C? KA'

### **Processor activity > Specific > total system calls (no/s) [system calls]**

Activité processeur > Spécifique > ensemble des appels systèmes (nb/s) [appels systèmes]

Description: Refer to Agent for Unix

Code API: 'Processoractivity-Specific-totalsystemcalls'  
or 'C? KB'

### **Processor activity > Specific > read and write system calls (%) [rd/wr system calls]**

Activité processeur > Spécifique > taux d'appels read et write (%) [tx as read/write]

Description: Refer to Agent for Unix

Code API: 'Processoractivity-Specific-readandwritesystemcalls'  
or 'C? KC'

### **Processor activity > Specific > entitled capacity consumed (entc) (%) [%entc]**

Activité processeur > Spécifique > capacité allouée consommée (entc) (%) [%entc]

Description: Refer to Agent for Unix

Code API: 'Processoractivity-Specific-entitledcapacityconsumed\_entc'  
or 'C? KE'

### **Processor activity > Specific > physical proc. consumed (physc) (no) [physc]**

Activité processeur > Spécifique > proc. physique consommé (physc) (nb) [physc]

Description: Refer to Agent for Unix

Code API: 'Processoractivity-Specific-physicalproconsumed\_physc'  
or 'C? KD'

### **Processor activity > Specific > logical proc. utilization (lbusy) (%) [lbusy]**

Activité processeur > Spécifique > utilisation proc. logiques (lbusy) (%) [lbusy]

Description: Refer to Agent for Unix

Code API: 'Processoractivity-Specific-logicalprocutilization\_lbusy'  
or 'C? KF'

## **Memory utilization > Overall**

Utilisation mémoire > Globale

### **Memory utilization > Overall > available main memory (kB) [avail. main memory]**

Utilisation mémoire > Globale > mémoire physique disponible (ko) [mémoire phys. libre]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-availablemainmemory'  
or 'SMEM Q1'

### **Memory utilization > Overall > main memory load ratio (%) [main memory load]**

Utilisation mémoire > Globale > taux d'occupation mémoire (%) [tx occupation mémoire]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-mainmemoryloadratio'  
or 'SMEM Q2'

### **Memory utilization > Overall > swap used (kB)**

Utilisation mémoire > Globale > swap utilisé (ko) [swap utilisé]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-swapused'  
or 'SMEM QK'

### **Memory utilization > Overall > swap available (kB)**

Utilisation mémoire > Globale > swap libre (ko) [swap libre]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-swapavailable'  
or 'SMEM Q3'

### **Memory utilization > Overall > swap memory load ratio (%) [swap memory load]**

Utilisation mémoire > Globale > tx occupation swap (%) [occupation swap]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-swapmemoryloadratio'  
or 'SMEM Q4'

### **Memory utilization > Overall > page-out requests (overall) (no/s) [page-out overall]**

Utilisation mémoire > Globale > pages évacuées (global) (nb/s) [pages évacuées]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-pageoutrequests\_overall'  
or 'SMEM Q5'

### **Memory utilization > Overall > page-in requests (overall) (no/s) [page-in overall]**

Utilisation mémoire > Globale > pages chargées (global) (nb/s) [pages chargées]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-pageinrequests\_overall'  
or 'SMEM Q6'

### **Memory utilization > Overall > page-out requests (swap) (no/s) [page-out swap]**

Utilisation mémoire > Globale > pages évacuées (swap) (nb/s) [pages évacuées swap]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-pageoutrequests\_swap'  
or 'SMEM QD'

### **Memory utilization > Overall > page-in requests (swap) (no/s) [page-in swap]**

Utilisation mémoire > Globale > pages chargées (swap) (nb/s) [pages chargées swap]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-pageinrequests\_swap'  
or 'SMEM QE'

### **Memory utilization > Overall > attached pages (no/s)**

Utilisation mémoire > Globale > attachements de pages (nb/s) [pages attachées]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-attachedpages'  
or 'SMEM Q7'

### **Memory utilization > Overall > address faults (no/s)**

Utilisation mémoire > Globale > défauts d'adressage (nb/s) [pages défauts]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-addressfaults'  
or 'SMEM Q8'

### **Memory utilization > Overall > pages scanned in memory (no/s) [scanned pages]**

Utilisation mémoire > Globale > pages analysées en mémoire (nb/s) [pages analysées]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-pagesscannedinmemory'  
or 'SMEM Q9'

### **Memory utilization > Overall > freed memory pages (no/s) [freed pages]**

Utilisation mémoire > Globale > pages libérables de la mémoire (nb/s) [pages libérables]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-freedmemorypages'  
or 'SMEM QA'

### **Memory utilization > Overall > swapped-out processes (no/s) [swap-out proc.]**

Utilisation mémoire > Globale > processus évacués hors mémoire (nb/s) [processus évacués]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-swappedoutprocesses'  
or 'SMEM QB'

### **Memory utilization > Overall > swapped-in processes (no/s) [swap-in proc.]**

Utilisation mémoire > Globale > processus remontés en mémoire (nb/s) [processus remontés]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-swappedinprocesses'  
or 'SMEM QC'

### **Memory utilization > Overall > main memory cached (kB) [cached]**

Utilisation mémoire > Globale > mém. phys. occupée par le cache (ko) [cache]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-mainmemorycached'  
or 'SMEM QH'

### **Memory utilization > Overall > main memory buffers (kB) [buffers]**

Utilisation mémoire > Globale > mém. phys. occupée par les buffers (ko) [buffers]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-mainmemorybuffers'  
or 'SMEM QI'

### **Memory utilization > Overall > main memory slab allocator (kB) [slab]**

Utilisation mémoire > Globale > mém. phys. occupée par le slab allocator (ko) [slab]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-mainmemoryslaballocator'  
or 'SMEM QL'

### **Memory utilization > Overall > main memory page tables (kB) [page tables]**

Utilisation mémoire > Globale > mém. phys. occupée par les page tables (ko) [page tables]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-mainmemorypagetables'  
or 'SMEM QM'

### **Memory utilization > Overall > main memory huge pages (kB) [huge pages used]**

Utilisation mémoire > Globale > mém. phys. occupée par les huge pages (ko) [huge pages]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-mainmemoryhugepages'  
or 'SMEM QN'

### **Memory utilization > Overall > main memory huge pages free (kB) [huge pages free]**

Utilisation mémoire > Globale > mém. phys. disponible pour les huge pages (ko) [huge pages disponibles]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-mainmemoryhugepagesfree'  
or 'SMEM QO'

### **Memory utilization > Overall > main memory non huge pages (kB) [non huge pages]**

Utilisation mémoire > Globale > mém. phys. occupée par les non huge pages (ko) [non huge pages]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-mainmemorynonhugepages'  
or 'SMEM QP'

### **Memory utilization > Overall > non-root Shared Memory (kB) [non-root SHM]**

Utilisation mémoire > Globale > mém. partagée non-root (ko) [mém. partagée non-root]

Description: Refer to Agent for Unix



Code API: 'Memoryutilization-Overall-nonrootSharedMemory'  
or 'SMEM QQ'

### **Memory utilization > Overall > total main memory (kB) [main memory]**

Utilisation mémoire > Globale > mémoire physique totale (ko) [mém. physique totale]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-totalmainmemory'  
or 'SMEM QR'

### **Memory utilization > Overall > main memory free (memfree) (kB) [memfree]**

Utilisation mémoire > Globale > mémoire physique libre (memfree) (ko) [memfree]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-mainmemoryfree\_memfree'  
or 'SMEM QS'

### **Memory utilization > Overall > swap cached size (kB) [swap cached]**

Utilisation mémoire > Globale > taille du cache swap (ko) [cache swap]

Description: Refer to Agent for Unix

Code API: 'Memoryutilization-Overall-swapcachedsize'  
or 'SMEM QJ'

## **Application > Specific**

### **Application > Specific > %user mode (%) [%user]**

Application > Spécifique > %mode utilisateur (%) [%utilisateur]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-pc\_usermode'  
or 'aFFFF AY'

### **Application > Specific > %system mode (%) [%sys]**

Application > Spécifique > %mode noyau (%) [%noyau]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-pc\_systemmode'  
or 'aFFFF A2'

### **Application > Specific > total Cpu use (%) [total Cpu]**

Application > Spécifique > consommation Cpu totale (%) [charge Cpu]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-totalCpuuse'  
or 'aFFFF A3'

### **Application > Specific > physical proc. consumed (physc) (no) [physc]**

Application > Spécifique > proc. physique consommé (physc) (nb) [physc]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-physicalproconsumed\_physc'  
or 'aFFFF AT'

### **Application > Specific > entitled capacity consumed (entc) (%) [%entc]**

Application > Spécifique > capacité allouée consommée (entc) (%) [%entc]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-entitledcapacityconsumed\_entc'  
or 'aFFFF AU'

### **Application > Specific > system contribution (%)**

Application > Spécifique > contribution mode noyau (%) [contribution noyau]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-systemcontribution'  
or 'aFFFF A4'

### **Application > Specific > voluntary context switches (no/s) [voluntary switches]**

Application > Spécifique > commutations proc. volontaires (nb/s) [commutations volont.]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-voluntarycontextswitches'  
or 'aFFFF AJ'

### Application > Specific > context switches (no/s)

Application > Spécifique > commutations de processus (nb/s) [commutations]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-contextswitches'  
or 'aFFFF A5'

### Application > Specific > total system calls (no/s) [system calls]

Application > Spécifique > ensemble des appels systèmes (nb/s) [appels systèmes]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-totalsystemcalls'  
or 'aFFFF A6'

### Application > Specific > repaging done (no)

Application > Spécifique > repagination effectuée (nb) [rep. effectuée]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-repagingdone'  
or 'aFFFF AK'

### Application > Specific > main memory load (kB)

Application > Spécifique > occupation mémoire physique (ko) [occ. mémoire phys.]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-mainmemoryload'  
or 'aFFFF A7'

### Application > Specific > total memory load (kB)

Application > Spécifique > occupation mémoire totale (ko) [occ. mémoire totale]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-totalmemoryload'  
or 'aFFFF A8'

### Application > Specific > major page faults (no/s)

Application > Spécifique > fautes de pages majeures (nb/s) [fautes pgs majeures]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-majorpagefaults'  
or 'aFFFF A9'

### Application > Specific > minor page faults (no/s)

Application > Spécifique > fautes de pages mineures (nb/s) [fautes pgs mineures]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-minorpagefaults'  
or 'aFFFF AA'

### Application > Specific > physical read operations (no/s) [physical reads]

Application > Spécifique > opérations physiques lecture (nb/s) [lectures phys.]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-physicalreadoperations'  
or 'aFFFF AB'

### Application > Specific > physical write operations (no/s) [physical writes]

Application > Spécifique > opérations physiques écriture (nb/s) [écritures phys.]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-physicalwriteoperations'  
or 'aFFFF AC'

### **Application > Specific > messages sent over sockets (no/s) [messages sent]**

Application > Spécifique > messages envoyés sur socket (nb/s) [messages envoyés]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-messagesentoversockets'  
or 'aFFFF AD'

### **Application > Specific > messages received from sockets (no/s) [messages received]**

Application > Spécifique > messages reçus sur socket (nb/s) [messages reçus]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-messagesreceivedfromsockets'  
or 'aFFFF AE'

### **Application > Specific > bytes read (kB/s)**

Application > Spécifique > octets lus (ko/s) [octets lus]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-bytesread'  
or 'aFFFF AX'

### **Application > Specific > bytes written (kB/s)**

Application > Spécifique > octets écrits (ko/s) [octets écrits]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-byteswritten'  
or 'aFFFF AW'

### **Application > Specific > number of threads (no) [threads]**

Application > Spécifique > nombre de threads (nb) [threads]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-numberofthreads'  
or 'aFFFF AV'

### **Application > Specific > number of open file descriptors (no) [open file descriptors]**

Application > Spécifique > nombre de descripteurs de fichier ouverts (nb) [descripteurs de fichier ouverts]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-numberofopenfiledescriptors'  
or 'aFFFF AZ'

### **Application > Specific > number of known processes (no) [known processes]**

Application > Spécifique > nombre de processus présents (nb) [processus présents]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-numberofknownprocesses'  
or 'aFFFF AH'

### **Application > Specific > ratio of active processes (%) [% active processes]**

Application > Spécifique > taux de processus actifs (%) [tx processus actifs]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-ratioofactiveprocesses'  
or 'aFFFF AI'

### **Application > Specific > presence of a process (0/1) [presence process]**

Application > Spécifique > présence d'un processus (0/1) [présence processus]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-presenceofaprocess'  
or 'aFFFF AF'

### **Application > Specific > activity of a process (0/1) [activity process]**

Application > Spécifique > activité d'un processus (0/1) [activité processus]

Description: Refer to Agent for Unix

Code API: 'Application-Specific-activityofaprocess'  
or 'aFFFF AG'

### **Application > Specific > ratio of present process (%) [% present process]**

*Application > Spécifique > taux de présence d'un process (%) [tx présence processus]*

**Description:** Refer to Agent for Unix

**Code API:** 'Application-Specific-ratioofpresentprocess'  
or 'aFFFF AM'

### **Application > Specific > ratio of absent process (%) [% absent process]**

*Application > Spécifique > taux d'absence d'un process (%) [tx absence processus]*

**Description:** Refer to Agent for Unix

**Code API:** 'Application-Specific-ratioofabsentprocess'  
or 'aFFFF AN'

### **Application > Specific > dedicated storage space (MB) [dedicated space]**

*Application > Spécifique > espace de stockage dédié (Mo) [espace dédié]*

**Description:** Refer to Agent for Unix

**Code API:** 'Application-Specific-dedicatedstoragespace'  
or 'aFFFF AO'

### **Application > Specific > used storage space (MB) [used space]**

*Application > Spécifique > espace de stockage occupé (Mo) [espace occupé]*

**Description:** Refer to Agent for Unix

**Code API:** 'Application-Specific-usedstoragespace'  
or 'aFFFF AP'

### **Application > Specific > ratio of used storage space (%) [% used space]**

*Application > Spécifique > tx d'espace de stockage occupé (%) [% espace occupé]*

**Description:** Refer to Agent for Unix

**Code API:** 'Application-Specific-ratioofusedstoragespace'  
or 'aFFFF AQ'

### **Application > Specific > free storage space (MB) [free space]**

*Application > Spécifique > espace de stockage disponible (Mo) [espace disponible]*

**Description:** Refer to Agent for Unix

**Code API:** 'Application-Specific-freestoragespace'  
or 'aFFFF AR'

### **Application > Specific > ratio of free storage space (%) [% free space]**

*Application > Spécifique > tx d'espace de stockage disponible (%) [% espace disponible]*

**Description:** Refer to Agent for Unix

**Code API:** 'Application-Specific-ratiooffreestoragespace'  
or 'aFFFF AS'

## **Virtualization - IBM > CPU Pool**

Virtualisation - IBM > Pool CPU

### **Virtualization - IBM > CPU Pool > pool size (no)**

*Virtualisation - IBM > Pool CPU > taille du pool (nb) [taille du pool]*

**Description:** Refer to Agent for Unix

**Code API:** 'VirtualizationIBM-CPUPool-poolsize'  
or 'SVPPOOL P1'

### **Virtualization - IBM > CPU Pool > availability (app) (%)**

*Virtualisation - IBM > Pool CPU > disponibilité (app) (%) [disponibilité (app)]*

**Description:** Refer to Agent for Unix

**Code API:** 'VirtualizationIBM-CPUPool-availability\_app'  
or 'SVPPOOL P2'

### **Virtualization - IBM > CPU Pool > utilization (%)**

*Virtualisation - IBM > Pool CPU > utilisation (%) [utilisation]*

**Description:** Refer to Agent for Unix

Code API: 'VirtualizationIBM-CPUPOOL-utilization'  
or 'SVPOOL P3'

### **Virtualization - IBM > CPU Pool > frame active procs (no) [active procs]**

Virtualisation - IBM > Pool CPU > procs actifs frame (nb) [procs actifs]

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-CPUPOOL-frameactiveprocs'  
or 'SVPOOL P4'

### **Virtualization - IBM > CPU Pool > frame max procs (no) [max procs]**

Virtualisation - IBM > Pool CPU > max procs frame (nb) [max procs]

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-CPUPOOL-framemaxprocs'  
or 'SVPOOL P5'

## **Virtualization - IBM > LPAR**

Virtualisation - IBM > LPAR

### **Virtualization - IBM > LPAR > %user mode (%) [%user]**

Virtualisation - IBM > LPAR > %mode utilisateur (%) [%utilisateur]

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LPAR-pc\_usermode'  
or 'SVCPU H2'

### **Virtualization - IBM > LPAR > %system mode (%) [%sys]**

Virtualisation - IBM > LPAR > %mode noyau (%) [%noyau]

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LPAR-pc\_systemmode'  
or 'SVCPU H3'

### **Virtualization - IBM > LPAR > %wait for I/O completion (%) [%wait]**

Virtualisation - IBM > LPAR > %attente de fin d'entrée-sortie (%) [%attente fin E-S]

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LPAR-pc\_waitforIOcompletion'  
or 'SVCPU H4'

### **Virtualization - IBM > LPAR > %idle time (%) [%idle]**

Virtualisation - IBM > LPAR > %durée d'inactivité (%) [%inactivité]

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LPAR-pc\_idletime'  
or 'SVCPU H5'

### **Virtualization - IBM > LPAR > entitled processing capacity (ent) (no) [ent]**

Virtualisation - IBM > LPAR > capacité processeur allouée (ent) (nb) [ent]

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LPAR-entitledprocessingcapacity\_ent'  
or 'SVCPU H6'

### **Virtualization - IBM > LPAR > entitled capacity consumed (entc) (%) [entc]**

Virtualisation - IBM > LPAR > capacité allouée consommée (entc) (%) [entc]

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LPAR-entitledcapacityconsumed\_entc'  
or 'SVCPU H7'

### **Virtualization - IBM > LPAR > physical proc. consumed (physc) (no) [physc]**

Virtualisation - IBM > LPAR > proc. physique consommé (physc) (nb) [physc]

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LPAR-physicalprocconsumed\_physc'  
or 'SVCPU H8'

### **Virtualization - IBM > LPAR > logical proc. utilization (lbusy) (%) [lbusy]**

*Virtualisation - IBM > LPAR > utilisation proc. logiques (lbusy) (%) [lbusy]*

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LPAR-logicalprocutilization\_lbusy'  
or 'SVCPU H9'

### **Virtualization - IBM > LPAR > min capacity (ent min) (no) [ent min]**

*Virtualisation - IBM > LPAR > capacité min (ent min) (nb) [ent min]*

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LPAR-mincapacity\_entmin'  
or 'SVCPU G1'

### **Virtualization - IBM > LPAR > max capacity (ent max) (no) [ent max]**

*Virtualisation - IBM > LPAR > capacité max (ent max) (nb) [ent max]*

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LPAR-maxcapacity\_entmax'  
or 'SVCPU G2'

### **Virtualization - IBM > LPAR > number of virtual processors (no) [total vCPUs]**

*Virtualisation - IBM > LPAR > nombre de processeurs virtuels (nb) [total vCPUs]*

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LPAR-numberofvirtualprocessors'  
or 'SVCPU G3'

### **Virtualization - IBM > LPAR > capped (0/1)**

*Virtualisation - IBM > LPAR > bridé (0/1) [bridé]*

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LPAR-capped'  
or 'SVCPU G5'

### **Virtualization - IBM > LPAR > weight (uncapped) (no)**

*Virtualisation - IBM > LPAR > poids (non bridé) (nb) [poids (non bridé)]*

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LPAR-weight\_uncapped'  
or 'SVCPU G4'

### **Virtualization - IBM > LPAR > SMT enabled (0/1)**

*Virtualisation - IBM > LPAR > SMT activé (0/1) [SMT activé]*

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LPAR-SMTenabled'  
or 'SVCPU G6'

## **Virtualization - IBM > LCPU**

*Virtualisation - IBM > LCPU*

### **Virtualization - IBM > LCPU > %user mode (%) [%user]**

*Virtualisation - IBM > LCPU > %mode utilisateur (%) [%utilisateur]*

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LCPU-pc\_usermode'  
or 'GFFFF H2'

### **Virtualization - IBM > LCPU > %system mode (%) [%sys]**

*Virtualisation - IBM > LCPU > %mode noyau (%) [%noyau]*

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LCPU-pc\_systemmode'  
or 'GFFFF H3'

### **Virtualization - IBM > LCPU > %wait for I/O completion (%) [%wait]**

*Virtualisation - IBM > LCPU > %attente de fin d'entrée-sortie (%) [%attente fin E-S]*

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LCPU-pc\_waitforIOcompletion'  
or 'GFFFF H4'

### **Virtualization - IBM > LCPU > %idle time (%) [%idle]**

Virtualisation - IBM > LCPU > %durée d'inactivité (%) [%inactivité]

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LCPU-pc\_idletime'  
or 'GFFFF H5'

### **Virtualization - IBM > LCPU > entitled processing capacity (ent) (no) [ent]**

Virtualisation - IBM > LCPU > capacité processeur allouée (ent) (nb) [ent]

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LCPU-entitledprocessingcapacity\_ent'  
or 'GFFFF H6'

### **Virtualization - IBM > LCPU > entitled capacity consumed (entc) (%) [entc]**

Virtualisation - IBM > LCPU > capacité allouée consommée (entc) (%) [entc]

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LCPU-entitledcapacityconsumed\_entc'  
or 'GFFFF H7'

### **Virtualization - IBM > LCPU > physical proc. consumed (physc) (no) [physc]**

Virtualisation - IBM > LCPU > proc. physique consommé (physc) (nb) [physc]

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LCPU-physicalprocconsumed\_physc'  
or 'GFFFF H8'

### **Virtualization - IBM > LCPU > logical proc. utilization (lbusy) (%) [lbusy]**

Virtualisation - IBM > LCPU > utilisation proc. logiques (lbusy) (%) [lbusy]

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-LCPU-logicalprocutilization\_lbusy'  
or 'GFFFF H9'

## **Virtualization - IBM > VMM**

Virtualisation - IBM > VMM

### **Virtualization - IBM > VMM > %comp (%)**

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-VMM-pc\_comp'  
or 'SVMEM J1'

### **Virtualization - IBM > VMM > %noncomp (%)**

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-VMM-pc\_noncomp'  
or 'SVMEM J2'

### **Virtualization - IBM > VMM > %minperm (%)**

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-VMM-pc\_minperm'  
or 'SVMEM J3'

### **Virtualization - IBM > VMM > %maxperm (%)**

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-VMM-pc\_maxperm'  
or 'SVMEM J4'

### **Virtualization - IBM > VMM > %client (%)**

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-VMM-pc\_client'  
or 'SVMEM J5'

### Virtualization - IBM > VMM > page steals (no/s)

Description: Refer to Agent for Unix

Code API: 'VirtualizationIBM-VMM-pagesteals'  
or 'SVMEM J6'

## Saturation Diagnostic > Overall

Diagnostic saturation > Global

### Saturation Diagnostic > Overall > saturation ratio (%)

Diagnostic saturation > Global > taux de saturation (%) [tx de saturation]

Description: Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'SaturationDiagnostic-Overall-saturationratio'  
or 'SMETAGLOB 72'

### Saturation Diagnostic > Overall > availability ratio (%)

Diagnostic saturation > Global > taux de disponibilité (%) [tx de disponib.]

Description: Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'SaturationDiagnostic-Overall-availabilityratio'  
or 'SMETAGLOB 73'

### Saturation Diagnostic > Overall > number of incidents (no) [number of incid.]

Diagnostic saturation > Global > nombre d'incidents (nb) [nb d'incidents]

Description: Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'SaturationDiagnostic-Overall-numberofincidents'  
or 'SMETAGLOB 74'

### Saturation Diagnostic > Overall > duration of incidents (sec) [duration of incid.]

Diagnostic saturation > Global > durée des incidents (sec) [durée des incid.]

Description: Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'SaturationDiagnostic-Overall-durationofincidents'  
or 'SMETAGLOB 75'

## Saturation Diagnostic > Processor

Diagnostic saturation > Processeur

### Saturation Diagnostic > Processor > saturation ratio (%)

Diagnostic saturation > Processeur > taux de saturation (%) [tx de saturation]

Description: Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'SaturationDiagnostic-Processor-saturationratio'  
or 'SMETAPROC 72'

### Saturation Diagnostic > Processor > availability ratio (%)

Diagnostic saturation > Processeur > taux de disponibilité (%) [tx de disponib.]

Description: Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'SaturationDiagnostic-Processor-availabilityratio'  
or 'SMETAPROC 73'

### Saturation Diagnostic > Processor > number of incidents (no) [number of incid.]

Diagnostic saturation > Processeur > nombre d'incidents (nb) [nb d'incidents]

Description: Refer to the "Agents for Operating Systems" document for a concise description of these metrics.



Code API: 'SaturationDiagnostic-Processor-numberofincidents'  
or 'SMETAPROC 74'

### **Saturation Diagnostic > Processor > duration of incidents (sec) [duration of incid.]**

*Diagnostic saturation > Processeur > durée des incidents (sec) [durée des incid.]*

**Description:** Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'SaturationDiagnostic-Processor-durationofincidents'  
or 'SMETAPROC 75'

## **Saturation Diagnostic > Memory**

[Diagnostic saturation > Mémoire](#)

### **Saturation Diagnostic > Memory > saturation ratio (%)**

*Diagnostic saturation > Mémoire > taux de saturation (%) [tx de saturation]*

**Description:** Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'SaturationDiagnostic-Memory-saturationratio'  
or 'SMETAMEM 72'

### **Saturation Diagnostic > Memory > availability ratio (%)**

*Diagnostic saturation > Mémoire > taux de disponibilité (%) [tx de disponib.]*

**Description:** Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'SaturationDiagnostic-Memory-availabilityratio'  
or 'SMETAMEM 73'

### **Saturation Diagnostic > Memory > number of incidents (no) [number of incid.]**

*Diagnostic saturation > Mémoire > nombre d'incidents (nb) [nb d'incidents]*

**Description:** Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'SaturationDiagnostic-Memory-numberofincidents'  
or 'SMETAMEM 74'

### **Saturation Diagnostic > Memory > duration of incidents (sec) [duration of incid.]**

*Diagnostic saturation > Mémoire > durée des incidents (sec) [durée des incid.]*

**Description:** Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'SaturationDiagnostic-Memory-durationofincidents'  
or 'SMETAMEM 75'

## **Usage Diagnostic > Processor**

[Diagnostic utilisation > Processeur](#)

### **Usage Diagnostic > Processor > power (rpi)**

*Diagnostic utilisation > Processeur > puissance (rpi) [puissance]*

**Description:** Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'UsageDiagnostic-Processor-power'  
or 'SUTILPROC 82'

### **Usage Diagnostic > Processor > usage ratio (%)**

*Diagnostic utilisation > Processeur > taux d'utilisation (%) [tx d'utilisation]*

**Description:** Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'UsageDiagnostic-Processor-usageratio'  
or 'SUTILPROC 83'

### **Usage Diagnostic > Processor > idle ratio (%)**

*Diagnostic utilisation > Processeur > taux d'inactivité (%) [tx d'inactivité]*

**Description:** Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'UsageDiagnostic-Processor-idleratio'  
or 'SUTILPROC 84'

### **Usage Diagnostic > Processor > used power (rpi)**

*Diagnostic utilisation > Processeur > puissance utilisée (rpi) [puissance utilisée]*

**Description:** Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'UsageDiagnostic-Processor-usedpower'  
or 'SUTILPROC 85'

### **Usage Diagnostic > Processor > idle power (rpi)**

*Diagnostic utilisation > Processeur > puissance disponible (rpi) [puiss. disponible]*

**Description:** Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'UsageDiagnostic-Processor-idlepower'  
or 'SUTILPROC 86'

## **Usage Diagnostic > Memory**

*Diagnostic utilisation > Mémoire*

### **Usage Diagnostic > Memory > total memory size (MB) [tot. memory size]**

*Diagnostic utilisation > Mémoire > taille totale (Mo) [taille totale]*

**Description:** Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'UsageDiagnostic-Memory-totalmemorysize'  
or 'SUTILMEM 88'

### **Usage Diagnostic > Memory > usage ratio (%)**

*Diagnostic utilisation > Mémoire > taux d'utilisation (%) [tx d'utilisation]*

**Description:** Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'UsageDiagnostic-Memory-usageratio'  
or 'SUTILMEM 89'

### **Usage Diagnostic > Memory > available memory ratio (%) [avail. memory ratio]**

*Diagnostic utilisation > Mémoire > taux de mémoire disponible (%) [tx de mém. dispo.]*

**Description:** Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'UsageDiagnostic-Memory-availablememoryratio'  
or 'SUTILMEM 8A'

### **Usage Diagnostic > Memory > used memory (MB)**

*Diagnostic utilisation > Mémoire > mémoire utilisée (Mo) [mém. utilisée]*

**Description:** Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'UsageDiagnostic-Memory-usedmemory'  
or 'SUTILMEM 8B'

### **Usage Diagnostic > Memory > available memory (MB)**

*Diagnostic utilisation > Mémoire > mémoire disponible (Mo) [mém. disponible]*

**Description:** Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'UsageDiagnostic-Memory-availablememory'  
or 'SUTILMEM 8C'

### **Usage Diagnostic > Memory > total virtual memory (MB)**

*Diagnostic utilisation > Mémoire > mémoire virtuelle totale (Mo) [mém. virtuelle totale]*

**Description:** Refer to the "Agents for Operating Systems" document for a concise description of these metrics.

Code API: 'UsageDiagnostic-Memory-totalvirtualmemory'  
or 'SUTILMEM 8D'