

Agent for PowerVM

The Agent monitors PowerVM

CPU > Overall

CPU > Overall > CPU unit configurable in the system (no)

CPU > Globale > unités CPU configurable dans le système (nb) [unités CPU configurable dans le système]

Comments: Appeared in Agent version 5.60.

Code API: 'CPU-Overall-CPUunitconfigurableinthesystem'
or 'S2 CD'

CPU > Overall > configurable CPU pool unit (no)

CPU > Globale > unités CPU configurable du pool (nb) [unités CPU configurable du pool]

Source: Command "lslparutil -r pool -m ", value of "configurable_pool_proc_units".

Description: Total processor units on the PowerVM System.

Code API: 'CPU-Overall-configurableCPUpoolunit'
or 'S2 C2'

CPU > Overall > configured CPU pool unit (no)

CPU > Globale > unités CPU configurée du pool (nb) [unités CPU configurée du pool]

Source: Command "lslparutil -r pool -m ", value of "total_pool_cycles / time_cycles".

Description: Total configured processor units on the PowerVM System.

Code API: 'CPU-Overall-configuredCPUpoolunit'
or 'S2 C3'

CPU > Overall > CPU unit borrowed by pool (no)

CPU > Globale > unités CPU empruntée par le pool (nb) [unités CPU empruntée par le pool]

Source: Command "lslparutil -r pool -m ", value of "borrowed_pool_proc_units".

Description: Processing units that are being borrowed from powered off partitions with dedicated processors.

Code API: 'CPU-Overall-CPUunitborrowedbypool'
or 'S2 C4'

CPU > Overall > used CPU unit (physc) (no)

CPU > Globale > unités CPU utilisée (physc) (nb) [unités CPU utilisée (physc)]

Source: Command "lslparutil -r pool -m ", value of "utilized_pool_cycles / total_pool_cycles".

Description: Used processor units on the PowerVM System.

Code API: 'CPU-Overall-usedCPUunit_physc'
or 'S2 C5'

CPU > Overall > free CPU unit (app) (no)

CPU > Globale > unités CPU disponible (app) (nb) [unités CPU disponible (app)]

Source: Command "lslparutil -r pool -m ", value of "curr_avail_pool_proc_units".

Description: Number of processor units available.

Code API: 'CPU-Overall-freeCPUunit_app'
or 'S2 C6'

CPU > Overall > used CPU (entc) (%)

CPU > Globale > CPU utilisée (entc) (%) [CPU utilisée (entc)]

Source: Calculated by the Agent Collector.

Code API: 'CPU-Overall-usedCPU_entc'
or 'S2 C7'

CPU > Overall > % free CPU (%)

CPU > Globale > CPU % disponible (%) [CPU % disponible]

Code API: 'CPU-Overall-pc_freeCPU'
or 'S2 CC'

CPU > Overall > used CPU bandwidth (MHz)

CPU > Globale > capacité CPU utilisée (MHz) [capacité CPU utilisée]

Source: Command "lslparutil -r pool -m ", value of "utilized_pool_cycles" / "total_pool_cycles".

Description: Total processor bandwidth (capacity) on the PowerVM System.

Code API: 'CPU-Overall-usedCPUbandwidth'
or 'S2 C8'

CPU > Overall > free CPU bandwidth (MHz)

CPU > Globale > capacité CPU disponible (MHz) [capacité CPU disponible]

Source: Calculated by the Agent Collector.

Description: Total processor capacity not consumed (headroom) on the PowerVM System.

Comments: "Configured" - "Used".

Code API: 'CPU-Overall-freeCPUbandwidth'
or 'S2 C9'

CPU > Overall > configured CPU bandwidth (MHz)

CPU > Globale > capacité CPU configurée (MHz) [capacité CPU configurée]

Code API: 'CPU-Overall-configuredCPUbandwidth'
or 'S2 CA'

CPU > Overall > configurable CPU bandwidth (MHz)

CPU > Globale > capacité CPU configurable (MHz) [capacité CPU configurable]

Code API: 'CPU-Overall-configurableCPUbandwidth'
or 'S2 CB'

Memory > Overall

Mémoire > Globale

Memory > Overall > configurable memory (MB)

Mémoire > Globale > mémoire configurable (Mo) [mémoire configurable]

Source: Command "lslparutil -r sys -m ", value of "configurable_sys_mem".

Description: Total memory configured on the PowerVM System.

Code API: 'Memory-Overall-configurablememory'
or 'S3 D2'

Memory > Overall > free memory (MB)

Mémoire > Globale > mémoire disponible (Mo) [mémoire disponible]

Source: Command "lslparutil -r sys -m ", value of "curr_avail_sys_mem".

Description: The amount of memory available to be assigned to partitions.

Code API: 'Memory-Overall-freememory'
or 'S3 D3'

Memory > Overall > used memory (MB)

Mémoire > Globale > mémoire utilisée (Mo) [mémoire utilisée]

Source: Calculated by the Agent Collector: (configurable_sys_mem) - (curr_avail_sys_mem) - (sys_firmware_mem)

Description: Total memory used by LPARs on the PowerVM System.

Comments: Does not take into account memory used by the firmware.

Code API: 'Memory-Overall-usedmemory'
or 'S3 D4'

Memory > Overall > firmware memory (MB)

Mémoire > Globale > mémoire firmware (Mo) [mémoire firmware]

Source: Command "lslparutil -r sys -m ", counter "sys_firmware_mem".

Description: Amount of memory on the managed system that is being used by system firmware.

Comments: This can be seen as memory overhead for running virtualization.

Code API: 'Memory-Overall-firmwarememory'
or 'S3 D5'

Memory > Overall > % free memory (%)

Mémoire > Globale > mémoire % disponible (%) [mémoire % disponible]

Source: Calculated by the Agent Collector.

Description: Memory headroom as a percentage.

Comments: ("free memory" / "configurable memory") * 100.

Code API: 'Memory-Overall-pc_freememory'
or 'S3 D6'

Memory > Overall > % used memory (%)

Mémoire > Globale > mémoire % utilisée (%) [mémoire % utilisée]

Source: Calculated by the Agent Collector.

Description: Used processor capacity as a percentage.

Comments: ("Used CPU" / "configured CPU") / 100.

Code API: 'Memory-Overall-pc_usedmemory'
or 'S3 D7'

System > Overall

Système > Globale

System > Overall > uptime (%)

Source: Command "lssyscfg -r sys".

Description: The value is "100" if the Sysload Agent managed to obtain some metrics on the PowerVM System.

Code API: 'System-Overall-uptime'
or 'S0 AA'

System > Overall > downtime (%)

Source: Command "lssyscfg -r sys".

Description: The value is "100" if the Sysload Agent did not managed to obtain metrics on the PowerVM System.

Code API: 'System-Overall-downtime'
or 'S0 AB'

LPAR > Overall

LPAR > Overall > total number of LPAR defined (no) [total defined]

LPAR > Globale > nombre total de LPAR définis (nb) [total défini]

Source: Command "lssyscfg -r lpar -m ", value of "lpar_env".

Description: Total number of LPARs found on the PowerVM System. VIO Servers included.

Code API: 'LPAR-Overall-totalnumberofLPARdefined'
or 'S1 B7'

LPAR > Overall > number of VIOS defined (no) [VIOS defined]

LPAR > Globale > nombre de VIOS définis (nb) [VIOS définis]

Source: Command "lssyscfg -r lpar -m ", value of "lpar_env=vioserver".

Description: Number of Virtual I/O Server LPARs on the PowerVM System.

Code API: 'LPAR-Overall-numberofVIOSdefined'
or 'S1 B8'

LPAR > Overall > number of AIX or Linux defined (no) [AIX or Linux defined]

LPAR > Globale > nombre de AIX ou Linux définis (nb) [AIX ou Linux définis]

Source: Command "lssyscfg -r lpar -m ", value of "lpar_aixlinux".

Description: Total number of AIX and Linux LPARs (altogether) on the PowerVM System.

Code API: 'LPAR-Overall-numberofAIXorLinuxdefined'
or 'S1 B9'

LPAR > Overall > number of OS400 defined (no) [OS400 defined]

LPAR > Globale > nombre de OS400 définis (nb) [OS400 définis]

Source: Command "lssyscfg -r lpar -m ", value of "lpar_env=os400".

Description: Total number of OS/400 LPARs on the PowerVM System.

Code API: 'LPAR-Overall-numberofOS400defined'
or 'S1 BA'

LPAR > Overall > total number of LPARs on-line (no) [total on-line]

LPAR > Globale > nombre total de LPAR en exécution (nb) [total en exécution]

Source: Command "lssyscfg -r lpar -m ", value of "state=Running".

Description: Total number of LPARs on-line (all types together) on the PowerVM System.

Code API: 'LPAR-Overall-totalnumberofLPARsonline'
or 'S1 BC'

LPAR > Overall > total number of LPARs off-line (no) [total off-line]

LPAR > Globale > nombre total de LPAR non activés (nb) [total non activés]

Source: Command "lssyscfg -r lpar -m ", value of "state=Not Activated".

Description: Total number of off-line LPARs (all types together) on the PowerVM System.

Code API: 'LPAR-Overall-totalnumberofLPARsoffline'
or 'S1 BD'

LPAR > Overall > LPAR headroom (no)

Source: Calculated by the Agent Collector. Takes into account spare capacity and average LPAR usage.

Description: Number of LPARs that can be added to the PowerVM System.

Code API: 'LPAR-Overall-LPARheadroom'
or 'S1 BE'

LPAR > Specific

LPAR > Specific > configured CPU unit (ent) (no)

LPAR > Spécifique > unités CPU configurée (ent) (nb) [unités CPU configurée (ent)]

Source: Command "lslparutil -r lpar -m --filter lpar_names=", counter "curr_proc_units".

Description: Processor units entitled to the LPAR.

Code API: 'LPAR-Specific-configuredCPUunit_ent'
or 'AFFFF B2'

LPAR > Specific > used CPU unit (physc) (no)

LPAR > Spécifique > unités CPU utilisée (physc) (nb) [unités CPU utilisée (physc)]

Source: Command "lslparutil -r lpar -m --filter lpar_names=". (capped_cycles + uncapped_cycles) / (time_cycles).

Description: Used processor units by the LPAR.

Code API: 'LPAR-Specific-usedCPUunit_physc'
or 'AFFFF B4'

LPAR > Specific > used CPU (entc) (%)

LPAR > Spécifique > CPU utilisée (entc) (%) [CPU utilisée (entc)]

Source: Command "lslparutil -r lpar -m --filter lpar_names=". (capped_cycles + uncapped_cycles) / (entitled_cycles).

Description: Percentage of processor units consumed by the LPAR; percentage versus "configurable CPUs" on the PowerVM System.

Code API: 'LPAR-Specific-usedCPU_entc'
or 'AFFFF B5'

LPAR > Specific > used CPU bandwidth (MHz)

LPAR > Spécifique > capacité CPU utilisée (MHz) [capacité CPU utilisée]

Source: Calculated by the Agent Collector.

Description: Used processor bandwidth by the LPAR.

Code API: 'LPAR-Specific-usedCPUbandwidth'
or 'AFFFF BF'

LPAR > Specific > configured memory (MB)

LPAR > Spécifique > mémoire configurée (Mo) [mémoire configurée]

Source: Command "lslparutil -r lpar -m --filter lpar_names=", counter "curr_mem".

Description: The amount of memory assigned to the partition.

Code API: 'LPAR-Specific-configuredmemory'
or 'AFFFF B6'

LPAR > Specific > uptime (%)

Source: The Agent Collector sets the value "100" according to result of the command "lssyscfg -r lpar -m ", "state=Running" for the considered LPAR.

Description: Percentage of time the LPAR is up.

Code API: 'LPAR-Specific-uptime'
or 'AFFFF B3'

LPAR > Specific > downtime (%)

Source: The Agent Collector sets the value "100" according to result of the command "lssyscfg -r lpar -m ", "state=Not Activated" for the considered LPAR.

Description: The value is "100" if the Sysload Agent did not manage to obtain metrics on the LPAR.

Code API: 'LPAR-Specific-downtime'
or 'AFFFF BB'