

Virt

Metrics List & Descriptions:

Technology/ Category	Metric /Feature Name	Date Type	Format Example	Collectd Release	Collectd Plugin	Description	Dependencies	Limitations	Comments
Virt	cpu_affinity	Int	None	5.8	virt	Gets the vcpu affinity details			Gets the data from hypervisor
Virt	disk_octets	Int	None	5.8	virt	Gets the number of read/write bytes performed on a disk partition			Gets the data from hypervisor
Virt	disk_time	Int, Int	None	5.8	virt	Gets the Guest disk time			Gets the data from hypervisor
Virt	disk_ops	Int	None	5.8	virt	Gets the number of read and write requests on a disk partition			Gets the data from hypervisor
Virt	if_dropped	Int	None	5.8	virt	Gets the number of packets dropped on vNIC interfaces			Gets the data from hypervisor
Virt	if_errors	Int	None	5.8	virt	Gets the number of errored packets on vNIC interfaces			Gets the data from hypervisor
Virt	if_octets	Int	None	5.8	virt	Gets the number of bytes transmitted/recieved on vNIC interfaces			Gets the data from hypervisor
Virt	if_packets	Int	None	5.8	virt	Gets the total number of packets transmitted/recieved on vNIC interfaces			Gets the data from hypervisor
Virt	memory-actual	Int	None	5.8	virt	Gets the current memory for the VM or target			Gets the data from hypervisor
Virt	memory-last	Int	None	5.8	virt	Gets the last piece of memory of a guest (memory remains after add up guest RAM, guest video RAM, and memory overhead of QEMU)			Gets the data from hypervisor
Virt	memory-rss	Int	None	5.8	virt	Gets the resident set size memory (memory allocated to a process in RAM)			Gets the data from hypervisor
Virt	memory-total	Int	None	5.8	virt	Gets the total guest RAM			Gets the data from hypervisor
Virt	percent-virt_cpu_total	Float	None	5.8	virt	Gets the percentage of total available CPU			Gets the data from hypervisor
Virt	ps_cputime	Int	None	5.8	virt	Gets the cpu time (Say its sum of the user time,system time and guest time). IT might be used to calculate the vCPU usage			Gets the data from hypervisor
Virt	total_requests-flush	Int	None	5.8	virt	Gets the total flush rquests of the block device or guest			Gets the data from hypervisor

Sub-sections:

[Libvirt Plugin High Level Design Document](#)

[Libvirt Executed tests](#)

[vHost devices executed tests](#)