1、虚拟机指标。

名称	类型	单位	资源	说明
cpu	c	ns	inst ID	CPU time used
cpu_util	g	%	inst ID	Average CPU utilization
vcpus	g	vcpu	inst ID	Number of VCPUs
memory	g	MB	inst ID	Volume of RAM allocated in MB
memory.usage	g	MB	inst ID	Volume of RAM used by the instance from the amount of its allocated memory
disk.total.size	g	GB	inst ID	Size of disk allocated in GB
disk.read.bytes	c	B	inst ID	Volume of reads in B
disk.read.bytes.rate	g	B/s	inst ID	Average rate of reads in B per second
disk.write.bytes	c	B	inst ID	Volume of writes in B
disk.write.bytes.rate	g	B/s	inst ID	Average rate of writes in B per second
network.incoming.bytes	c	B	iface ID	Number of incoming bytes on a VM network interface
network.incoming.bytes.rate	g	B/s	iface ID	Average rate per sec of incoming bytes on a VM network interface
network.outgoing.bytes	c	B	iface ID	Number of outgoing bytes on a VM network interface
network.outgoing.bytes.rate	g	B/s	iface ID	Average rate per sec of outgoing bytes on a VM network interface

2、物理机指标。

名称	类型	单位	资源	说明
compute.node.cpu.percent	g	%	host ID	CPU utilization
compute.node.memory.total	g	MB	host ID	Volume of total RAM in MB

compute.node.memory.used	g	MB	host ID	Volume of RAM used in MB
compute.node.disk.total	g	GB	host ID	Size of disk in GB
compute.node.disk.used	g	GB	host ID	Size of disk used in GB
compute.node.disk.read.bytes.rate	g	B/s	host ID	Average rate of reads in B per second
compute.node.disk.write.bytes.rate	g	B/s	host ID	Average rate of writes in B per second
compute.node.network.incoming.bytes.rate	g	B/s	iface ID	Average rate per sec of incoming bytes on a network interface
compute.node.network.outgoing.bytes.rate	g	B/s	iface ID	Average rate per sec of outgoing bytes on a network interface
compute.node.network.bandwidth	g	Mb/s	iface ID	Bandwidth of network interface

3、Cinder。

名称	类型	单位	资源	说明
capacity.total.size	g	GB	pool/backend	total physical capacity of a pool/backend
capacity.free.size	g	GB	pool/backend	real physical available capacity of a pool/backend
capacity.allocated.size	g	GB	pool/backend	physical capacity allocated directly through Cinder
capacity.provisioned.size	g	GB	pool/backend	capacity provisioned in a pool/backend
capacity.virtual_free.size	g	GB	pool/backend	available virtual capacity in a pool/backend

Ceilometer 使用的 3 种指标类型定义：

类型	定义
Cumulative	Increasing over time (instance hours)

Gauge	Discrete items (floating IPs, image uploads) and fluctuating values (disk I/O)
Delta	Changing over time (bandwidth)