

# Barometer-collectd host dependencies

Barometer-collectd image uses various plugins in order to fetch statistics of Host system.

In example, to be able to get DPDK statistics, both condition have to be true:

- DPDK configuration present in containers shared configuration directory - <BAROMETER\_REPO\_DIR>/src/collectd/collectd\_sample\_configs/
- DPDK have to be installed on HOST system

Configuration files can be found here: [https://github.com/opnfv/barometer/tree/master/src/collectd/collectd\\_sample\\_configs](https://github.com/opnfv/barometer/tree/master/src/collectd/collectd_sample_configs)

Config files directory is mapped as virtual shared directory to barometer-collectd container in /opt/collectd/etc/collectd.conf.d directory.

Below is list of supported functionalities with corresponding configuration files.

Functionality/plugin	Config file name	Feature homepage
CSV	csv.conf	
DPDK	dpdkevents.conf, dpdkstat.conf	<a href="https://www.dpdk.org/">https://www.dpdk.org/</a> (version 16.11)
Notifications (ran via exec plugin)	exec.conf	
Hugepages	hugepages.conf	
Intel PMU	intel_pmu.conf	<a href="https://software.intel.com/en-us/articles/intel-performance-counter-monitor">https://software.intel.com/en-us/articles/intel-performance-counter-monitor</a>
Intel RDT	rdt.conf	<a href="https://github.com/intel/intel-cmt-cat/wiki">https://github.com/intel/intel-cmt-cat/wiki</a>
Kafka	kafka.conf	
InfluxDB(via network plugin)	network.conf	
OVS Events	ovs_events.conf	<a href="https://www.openvswitch.org/">https://www.openvswitch.org/</a>
OVS PMD stats	ovs_stats.conf	<a href="https://www.openvswitch.org/">https://www.openvswitch.org/</a>
SNMP Agent	snmp_agent.conf	
Virt	virt.conf	<a href="https://libvirt.org/">https://libvirt.org/</a>