

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

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	https://www.dpdk.org/ (version 16.11)
Notifications (ran via exec plugin)	exec.conf	
Hugepages	hugepages.conf	
Intel PMU	intel_pmu.conf	https://software.intel.com/en-us/articles/intel-performance-counter-monitor
Intel RDT	rdt.conf	https://github.com/intel/intel-cmt-cat/wiki
Kafka	kafka.conf	
InfluxDB(via network plugin)	network.conf	
OVS Events	ovs_events.conf	https://www.openvswitch.org/
OVS PMD stats	ovs_stats.conf	https://www.openvswitch.org/
SNMP Agent	snmp_agent.conf	
Virt	virt.conf	https://libvirt.org/