Overview

- There will be an LFN Reception at Kubecon in December

- The reception will include Lightning talks by each LFN project

- Requirements:

  - Topic must include some application of container technology in OPNFV

  - Duration: 10 minutes

  - Must be approved by TSC

2018-11-05

OPNFV

Proposed Lightning Talk for LFN Reception / Kubecon

- **Topic:** Container & cloud native monitoring

- **Title:** Monitoring Tug of War: Matching Cloud Native & Infrastructure Monitoring

- **OPNFV Project:** Barometer

- **Brief description:**

- *While Node Exporter extends Prometheus into infrastructure monitoring, security concerns arise from pull model of Prometheus & requirement to open a port for HTTP endpoint at infrastructure level. OPNFV Barometer project, using industry standard Collectd monitoring software, provides wide array of extensible plugins to monitor hardware, services & apps. Collectd uses a "push" model, coupled with HTTP or Network (UDP) for transport to traditional TSDB.*

- *This talk presents a platform that ties Collectd with Prometheus through use of AMQP1.0, addressing security & provides a push/pull adapter. While several adapters exist, we present an adapter that addresses: scalability (>1000 nodes, 100's metrics per second), system debug (uses collectd timestamp for fine-grained cross-correlation of system events) & extensibility (new plugins addressing infrastructure monitoring will be presented).*

2018-11-05

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