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

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).*

Proposed Lightning Talk for LFN Reception / Kubecon

- Presenter: Eddie Arrage
- OPNFV Projects: OPNFV test projects + Clover
- Title: **Transitioning OPNFV Projects into Cloud Native Microservices**
- Abstract

The OPNFV community has many useful test projects that are packaged as Docker containers. But how can these projects employ cloud native methodology to extend their utility across LFN/CNCF borders and beyond?

This session will highlight the efforts to tweak existing OPNFV test project to fit the paradigm by instrumenting them as microservices within Kubernetes allowing them to be more easily consumed and integrated into ephemeral workflows.

The OPNFV Clover project will be used as an example of how OPNFV is adopting cloud native methodology and integrating CNCF software to deliver microservices for unified visibility, continuous validation and CI/CD traffic management.