# Local-agent Discussion

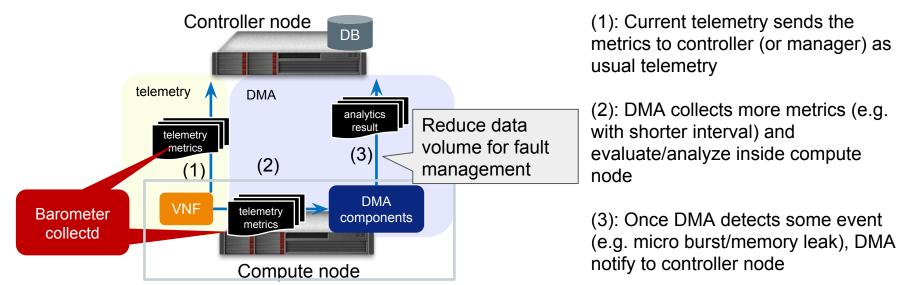
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## Agenda

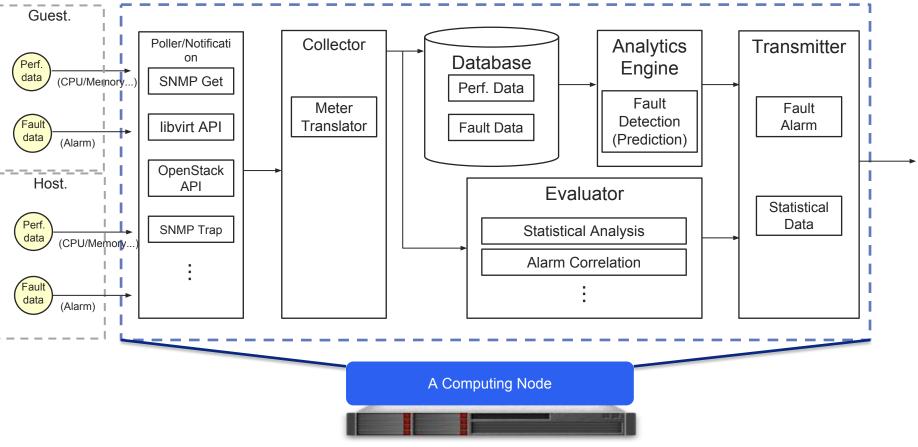
- DMA Quick Introduction
- DMA Architecture
- Local-agent
  - Architecture
- Proposal to Barometer

## Distributed Monitoring and Analytics (DMA)

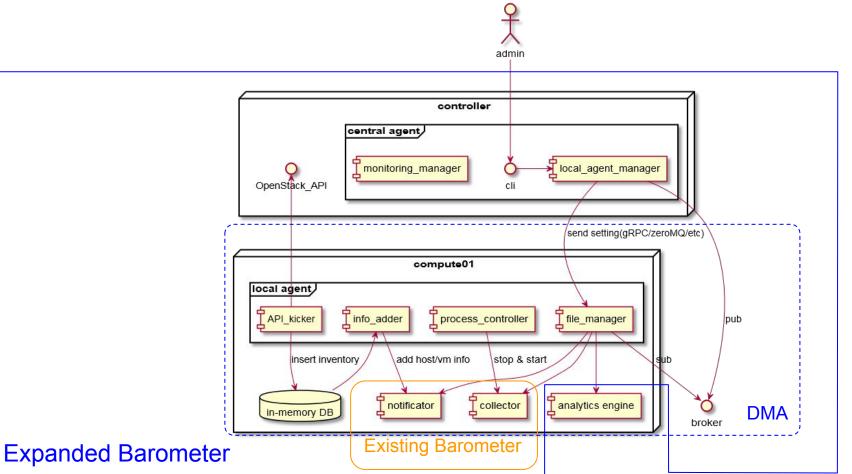
DMA puts monitoring/analytics feature inside compute nodes for fast detection of silent failure or VNF symptom, co-existing current telemetry system (ceilometer and so on) to enable fine-grained/scalable monitoring. DMA also utilizes OPNFV/Barometer (e.g. collectd)



#### **DMA** Architecture



#### **Current Local-agent Architecture**



### Local-agent

We designed "local-agent" having the following feature, which can be a common component for DMA and barometer:

- Metric management function (Managing collectd configuration) Local-agent accept the request from controller side to change the collectd configuration and restart collectd to affect the changes
- Topology caching function
  - To get some information (e.g. OpenStack/libvirt/OvS/etc) regarding topologies for annotating metrics
- Managing DMA component (i.e. evaluator)
  Local-agent manages DMA components, such as evaluator

#### **Proposal to Barometer**

Current Status:

We're working on local-agent prototyping

https://github.com/distributed-monitoring/agent

Our Goal:

Once our local-agent is reaching alpha version, we would like to put this into OPNFV/barometer as part of metric management

Q:

• How to bring local-agent to Barometer?