Manageability

Level Definitions

(Dublin updates in red)

• Level 1:
  ◦ All ONAP components will use a single logging system.
  ◦ Instantiation of a simple ONAP system should be accomplished in <1 hour with a minimal footprint
• Level 2:
  ◦ A component can be independently upgraded (for bug fixes only) without impacting the operation of interacting components
  ◦ Component configuration to be externalized in a common fashion across ONAP projects
  ◦ All application logging to adhere to ONAP Application Logging Specification v1.2
  ◦ Implement guidelines for a minimal container footprint
• Level 3
  ◦ Transaction tracing across components

Minimum Levels

• All Projects: Level 2
  ◦ New projects should adhere to v1.2
  ◦ Existing projects have stretch goal for v1.2
• Stretch Goal: Level 3

  Note: some work will be done in Dublin to test/prep for a release upgrade strategy. This will include common upgrade support capability (ex: Cassandra upgrade) as well as guidelines/requirements for projects to be able to do in-place major/minor upgrades.

Guidance for Implementation

• Please refer to the Logging Enhancements Project documentation for guidance on implementing logging, including the Logging Developer Guide.
  ◦ For transaction tracing, the Logging Spec v1.2 supports MDCs and Markers. In the future, a service mesh could support this.
• Independent bug fix upgrades can be accomplished with OOM and helm charts (helm upgrade).
• Configuration can be externalized into Helm charts via the OOM project. See OOM Configuration Management.
• See this presentation and follow the Container Image Minimization Guidelines

Contacts

CIA, OOM and Logging Enhancement teams.