



# ONAP DCAE Transformation – OOM Impacts

12/09/2020

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# DCAE Honolulu release Plan

- Cloudify remains primary orchestration for dynamic deployments (MOD/CLAMP flows)
- Migrate bootstrap service components to Helm (continue Consul/CBS)
  - Build generic common helm template (to be used by VESCollector, TCAgen2, HV-VES, PRH, Holmes\*)
- Create Helm Repo within DCAE and trigger separate gating (OOM/integration and management TBD)
  - ONAP/Jenkins integration for helm chart build and push into ONAP/nexus
  - Dependency on oom/common to be available under ONAP/nexus
- Design configuration management for service component outside of Consul/CBS
- Building current DCAE platform function as sidecar/init container functionality (*Stretch-goal*)
  - Dynamic Topic/feed (DMAAP) provisioning through helm & K8s operator
  - Policy Handling
- DCAE MODv2 Enhancement for Helm support (*Stretch-goal*)

# OOM Impact/dependencies

- OOM CI
  - LF nexus integration for hosting Helm chart & Versioning
  - ONAP deployment change (use nexus charts instead of local build)
- OOM/Helm service for supporting dynamic deployment (from external registry after main ONAP)
- ONAP deployed helm registry (for pushing dynamically onboarded component through MOD)
- Support of K8s operator for DMAap topic/feed provisioning (OOM/DMAAP – TBD)
  - Native/Kafka integration support
- DCAE MOD Enhancement (plugin or adapter for helm generation)

# DCAE CI/CD Plan

- Create [\*dcaegen2/helm\*](#)(*new repo*) or use [dcaegen2/oom](#)
- dcae-common template (or merge it under OOM/common?)
- Include dcae service charts (ves, tcagen2, hv-ves, prh, holmes?)
  - Deployment yaml will reference dcae/common template
  - Service will use oom/common template
  - \*\* Component chart can be hosted under corresponding repo in latter phase
- Enable OOM/gating check
  - Need OOM/integration help
- Jenkins Merge job to push chart package to nexus (oom-helm-snapshot/oom-helm-staging?)
  - Versioning TBD
- Update [OOM/dcaegen2/bootstrap](#) requirement to include nexus charts
  - Alternative create separate sub-tree under OOM/dcaegen2?
- For new version released; patch version update will be propagated into OOM (instead of actual container version change)

## Questions:

1. Can version override be done in this model from OOM?
2. Any other step missing or need to be considered?