



ONAP DDF, 11-14 June 2019

Release F Architecture

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Previous subcommittee F2F topics

Topic	Description	Status
Model Driven ONAP	Terminology and approach for a model driven ONAP from an architecture perspective	- Describe for one component to illustrate what it means in more detail and come back to architecture
Orchestration Scenarios	Described the current orchestration scenarios and the wanted coming orchestration scenarios including ETSI interfaces	- Requirements forming - Allowing a few weeks to invite additional input and
Allotted Resources	Described an approach for being able to have a resources shared between different services by including context descriptors in the VNFD.	- First time the approach is presented so open for feedback to come back.
Hierarchal orchestration	Was considering hierarchical orchestration using the allocated resource approach previously described. This was not about nested services.	- First time presented so open for feedback to come back.
Edge Automation	Discussed various options for instantiating analytics at the edge and considerations for the OOM and DCAE controller evolution.	- Further consideration required. Proposed to come back with requirements and architectural solutions. - Suggest to take the discussion in steps

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Topic	Description	Status
CLI for VNF	Explanation of the platform used in ONAP CLI project and looking for interest for exploring (and options for) providing a CLI for VNFs/PNFs. There were further uses for the platform suggested	- Positive to explore the CLI NB of ONAP for the VNFs. Need more work on the approach
Controller evolution	Suggesting to move all SDNC and APPC capabilities to the CCSDK, and re-represented the controller persona concept, and suggested first step.	<ul style="list-style-type: none">- Good support for the controller persona concept.- Good support for having one persona, and recommend to move towards that from a deployment and testing perspective.
VNF configuration	Proposes to include the configurable parameters in the VNF package and do a PoC to have the SOL003 VNF_Modify_Info message to the VNF.	<ul style="list-style-type: none">- There was an understanding of the proposal, continue in the orchestration scenarios taskforce

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Topic	Description	Status
Documenting architecture	Went over the status of the architecture documentation	Agreed to have the functional components described in a common way by RC1. ONAP Dublin architecture to be done by MS4.

Release F Architecture Topics Brainstorm

- Service Mesh/Istio (Srini)
 - Revisit requirements
- API GW (Manoj)
- CNCF utilization (Sylvain???? (to be checked))
- There was a question regarding the implementation technologies chosen and stability. Need to consider how/where to address (Adolfo, Alex, Ranny, Ciaran, Seshu)
 - Prescribe implementation patterns
 - How can we identify what is common and break-it down
 - Start with a template guideline (Steve)

- Orchestration Scenarios (Fred/Seshu)

- Alloted/shared - Service/resource (Gil/Borislav)
- Multi-tenancy (Alex)
- Model driven ONAP (Ciaran)
- Highly available and distributed ONAP (Ciaran)
 - Support of multiple parrallel operations.

Release F Architecture Topics

Brainstorm

- There was a suggestion about the operational workflows, and this lead to taking this into integration.
- Architectural considerations for multi-version of the services and VNFs in the network and how to upgrade. (Michela)
- Controller Evolution (Vimal, proposal for decision)
- Internationalization/multi-language (i18n)



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