End User Advisory Group

ONAP top priorities – Orange point of view

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Orange Priority List Backlog: fonctionnal vision

Platform Maturity

Platform Usability

Orange Priority List Backlog: use-case vision

PITEC use-case extension to include closed-loop

vProbe deployment

WAN (IP/MPLS, Optical) Infrastructure Automation Based on "a la carte" scenario

5G VNF/PNF integration

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Priority 1

Platform maturity

Code development
- improve CI/CD chain and versioning
- capability to rebuild images: still complex to rebuild ONAP images from code

Architecture Security
- improve security and reduce CVE, eliminate HTTP for external interactions.
- review some architecture choices (inherited from ECOMP with not a cloud-native approach) and use more tools from CNCF
- ETSI/NFV and SDO harmonization

Operabilty
- improve PF monitorining
- more tools to debug

Priority 2

Platform usability

Flexibity, E2E Automation
- Eliminate manual tasks for service deployments/configuration => improve all tooling to model and configure a service
- Improve capabilities for the LCM
- Improve closed loop development, design

User oriented Documentation
- Better documentation with more E2E vision and more user oriented
- Better documentation for API, to explain component interaction
- Tutorials, Concepts

Usage
- UI full documentation for each field
- UI Harmonization

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Priority 3

"A la carte" service design

Not Plug & Play
- "A la carte" Service design is not fully automated in SO
- A&AI model change requires a new build
- Portal load balancer should be an option

Lack of flexibility
- Some A&AI predefined rules limit the flexibility.
- Some Portal SDK technical choices also limit the flexibility.
- Cannot choose a specific ODL version for SDN-C

Lack of coherency
- http / https are currently mixted
- DG UI not integrated in the portal

Enhancements Proposal

› SDC/SO

› VID

› A&AI

› SDN-C

› OOM

› Portal SDK

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ONAP Service Orchestrator & SDC

- Better user documentation/guidelines are required to explain the usage of different SDC tools.

- Custom BPMN created by SDC workflow tool

  - So far there is no automated way to include information about a WF created by SDC in SO databases, manual intervention is required.

    Proposal : include an Option in SDC workflow tool that can :

    1. Pull or download current SO workflows, modify and Update them if required instead of having to do this manually (download from cockpit then upload back using camunda modeler deploy option)

    2. Update SO catalogue DB with any newly created workflow.

- SO Monitoring tool only showing Completed & Failed tasks, would be great to display the In Progress tasks as well.

ONAP VID

- So far we discovered several limitations with the tool :

  - It is limited so far to run the pre-defined scenarios, Based on A La Carte service.

  - No way to include service parameters in the tool, hence no way to pass service parameters to camunda engine.

    Proposal : update VID interface to provide more service instantiation options.

ONAP AAI

- Creating a relationship between 2 nodes is governed by AAI pre-defined edge rules :

  - To be able to create a new relationship between 2 nodes that are not defined in the edge rules we have to

    1. Add new edgerules in aai-resources, aai-traversal, aai-graphadmin, under v14 folder /opt/app/…/resources/schema/onap/dbedgerules/v14/

    2. Run in aai-graphadmin as aaiadmin user the createDBSchema.sh script under /opt/app/aai-graphadmin/bin/

    3. Restart docker containers (not deleting the pod) aai-resources, aai-traversal, aai-graphadmin

  - Those changes are not persistent so if for any reason the AAI pods get deleted, those updates will be lost.

    › Proposal : Can we have more dynamic way to update the edge rules via API for example ?

- Schema changes to support custom data & relationships as needed requires new builds.

  Proposal : Can we have an API to update current schema without having to re-build the AAI ?

SDN-C

- Add DG to the ONAP portal

- Let the choice of the ODL version to be inserted in the SDN-C

ONAP OOM

- SO Camunda Engine service Port is not exposed by default

  › ➔ Proposal: update Helm Chart for so-bpmn to expose the port

› Add possibility in helm give the possibility (as an option) to setup the ONAP portal accessible through a node Port instead of LoadBalancer

› Stop mixing http and https for various portal to ease global ONAP portal integration

ONAP PORTAL SDK Limitations

- We are not able to choose framework/version that suits the application needs as the SDK app is a template application that enforces you to use specific version of spring framework through a parent pom.

  - for example we were not able to use spring boot 2 to be able to use spring boot features not just spring.

- The SDK App is customizing Spring framework in a way that makes it hard to use spring features easily.

  - For example: Not able to write integration tests when building rest controller because the mock APIs provided by spring (mockMvc) is not working inside the SDK app.

  - You are not able to use ORM layer inside the sdk without modifying other sdk submodules.

- Our application Codebase should contain business related code only not also SDK app code that is written and updated by the community.

  - Because SDK app is a template application, you have to write your own code inside the SDK code so you have to keep both in the source code repositories.

  - When new release of SDK App is launched it will be very hard to upgrade as you need to replace SDK code manually inside our code repositories. This task is done manually and it is error prone.

ONAP PORTAL SDK - Proposals

- The SDK should be a library import and used inside the applications not a template project.

- It can be a maven starter dependency with sub-dependencies to facilitate integration with ONAP components.

- For example library to integrate with AAF and the part related to get user id from cookies. And it can have spring security filter to integrate with spring security.

- Another dependency to integrate with A&AI with rest template already configured and common models already exist. And this can apply to Service orchestration component as well

Thank you

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