ONAP - Usability

Current status and Frankfurt objectives

LFN Developer & Testing Forum – Prague January 13th-16th, 2019

Eric Debeau (Orange)
Andreas Geissler (Deutsche Telekom)
Ken Kanishima (NTT)
Naoki Tateishi (NTT)

Agenda

- Challenges for ONAP Users
- El Alto achievements
  - Documentation, API Postman collection,…
- Frankfurt plans and activities
  - Documentation, SDC, CDS UI, Policy...
- ONAP Modularity (Naoki, Ken)

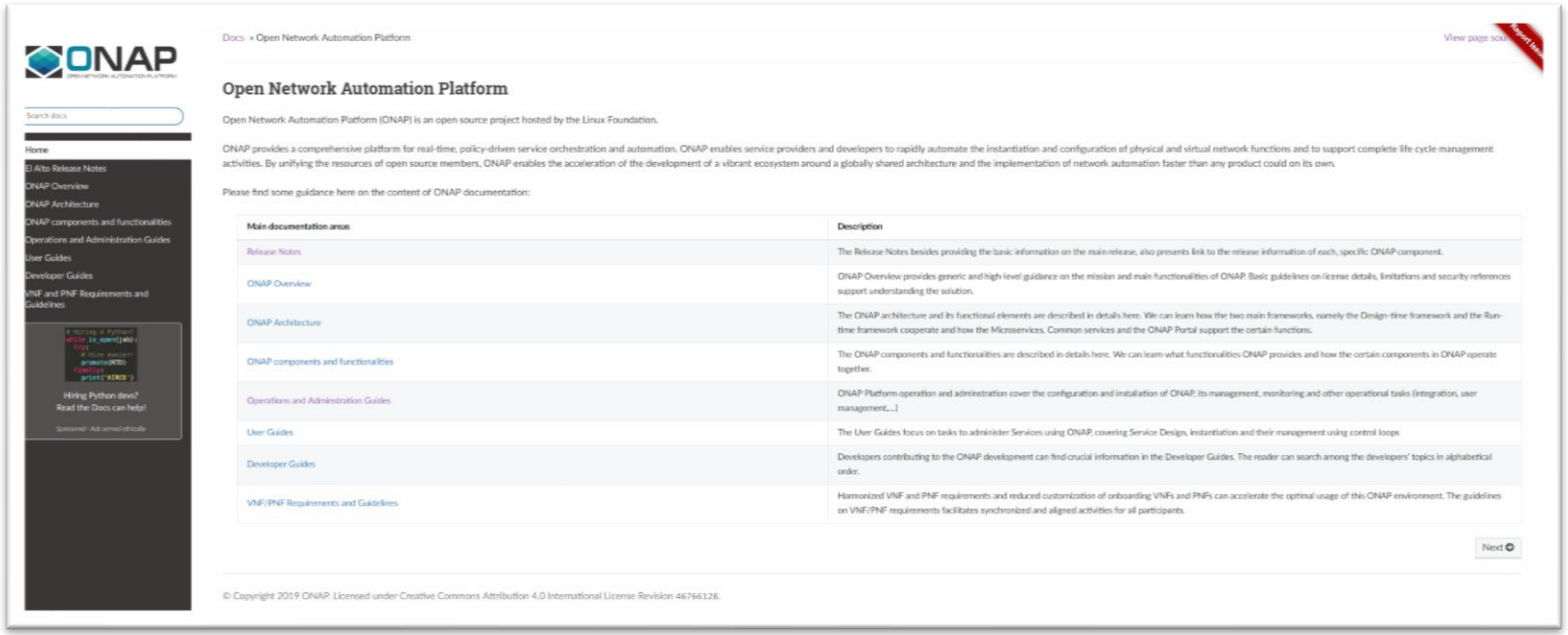
Challenges for ONAP Users

- Where do I find information about ONAP (Wiki, ReadTheDocs,…) ?
- What information belongs to what release ?
- How can I …
  - … start using ONAP ?
  - … setup and operate ONAP ?
  - … choose the right ONAP components for my use case ?
  - … design, onboard and manage a service with ONAP ?
  - … contribute to ONAP ?

- See also: https://wiki.onap.org/display/DW/ONAP+Documentation+Challenges+and+Proposals

El Alto achievements: Documentation

- Start of migration of existing Wiki content to RTD (and update)
- Restructuring of RTD to an End-User focus (E2E):
  - Operations and Administration Guides (in Frankfurt)
    - ONAP Setup
    - ONAP Operation
    - Integration
  - Users Guides
    - Service Design
    - Service Instantiation
    - Service Operation
  - Developer Guides
  - …



User Guide example

ONAP Postman collections

ONAP Integration project provides several Postman collections with two environment files.

Those Postman Collections will allow a Developer to experiment various ONAP API on various ONAP components (SDC, NBI, SO, AAI, SDNC)

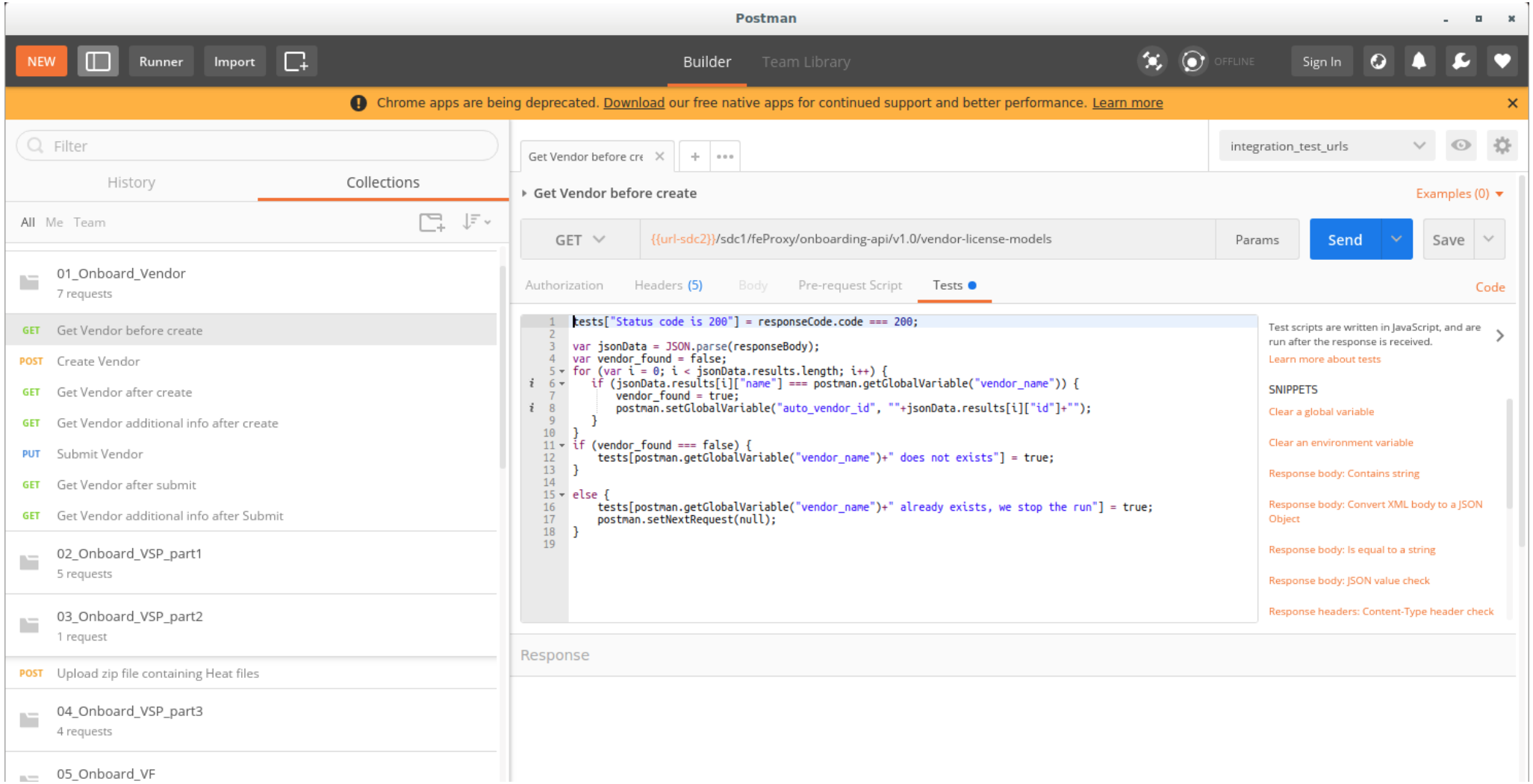
- declare a vendor
- declare a VSP
- upload a package
- declare a VF based on the VSP
- declare a Service composed of the VF and a Virtual Link
- distribute all those informations
- declare a customer, a service subscription
- declare OwningEntity, Platform...
- declare a Complex, Cloud Region, Tenant
- associate customer/service/tenant
- declare a service instance via a serviceOrder
- declare a vnf
- declare a vf-module
- declare a network

A collection is also provided to delete objects (reminder: it is not possible to delete object in SDC)

They have been tested with Onap ElAlto (they are not all compatible with Dublin, and there is not guaranty about ONAP "master" as API definition can change)

https://docs.onap.org/en/elalto/submodules/integration.git/docs/docs_postman.htm

User Guide example using Postman collection



https://docs.onap.org/en/elalto/submodules/integration.git/docs/docs_postman.htm

Frankfurt plans and activities: Documentation Content

- Continuation of Wiki migration and removal/marking of deprecated content
- Continuation of E2E documentation in RTD, e.g.
  - Service Design
  - CDS Design
  - Control Loop Creation
- ONAP Operation Guide extension
  - ONAP Backup/Restore
  - Multi-site ONAP
  - ONAP Networking
  - ONAP Monitoring and Testing
- ONAP Tutorials
  - UseCase specific
  - Should be added to RTD
- Documentation GIT structure update
  - removal of subcomponent structure

Frankfurt plans and activities: Documentation Process

- Define a guideline for the usage of Wiki and RTD
  - What content should go where ?
  - User/Admin Documentation only in RTD
  - Plan to migrate Wiki content to RTD
- Improvement of the development process to document as you code
  - -> How to keep documentation aligned with the code
  - Directly document in RTD instead of Wiki
    - -> Maybe RDT templates could be provided
    - Tutorials or HandsOn session for RDT creation provided for developers
- Milestone criteria for documentation quality and completeness
  - might be added -> Guilin
- Documentation development
  - Better code checks to ensure better build results (currently 1500 warnings)
  - Tutorials and hands-on for RDT creation

Frankfurt plans and activities: Tool Usability

- UI harmonization and integration, e.g.
  - Portal usage and integration improvements
  - SDC
    - Better general usage guide
    - Integrate other artifact design tools (e.g. CDS-UI, Extension of DCAE-DS)
  - Control Loop Design and Execution
    - DCAE-DS integration to SDC
    - CLAMP as Control Loop Management
  - Policy UI
  - DCAE Monitor

Frankfurt plans and activities: Platform

- Reduce Footprint
  - Database consolidation

- Use-case optimized platform
  - Deploy necessary components for a use-case (Modularity)
  - Analysis of Component dependencies and interfaces
  - Definition of “Core ONAP”, Add-ons

We need help and support from the Projects and from End-Users to improve the usability

Challenges

- Keep Documentation aligned with code
- Provide accurate tutorials
- Move specific artifacts related to a use-case in a separate repo
  - Use only such artifacts if required