Week 2019-12-02 Amber Plugfest (Cosmos, Pawr)

- Call for Participation (from O-RAN TIFG): O-RAN TIFG Plugfest Call for Participation.pdf
- Updated slides: 2019-11-13_ORAN-OSC_Amber_OAM_O1_PoC-Plugfest.pptx
- ONAP Version: Frankfurt (https://wiki.onap.org/display/DW/Week+2019+Dec+2nd)

Logistics

Access to the environment / kubernetes clusters in Open-Wireless-Lab - OWL (WINLAB, ORBIT, COSMOS)
https://wiki.onap.org/display/DW/SDN-R+Proof-of-concepts

Schedule

Please note that the plan below is just high-level and based on experience it will for sure be different 😉.

Day	Typical Activities
2019-12-02	Plug and mount devices
2019-12-03	Run the use cases final debugging and finetuning
2019-12-04	Record the use cases for anytime demonstration
2019-12-05	9:30am Eastern readout session
2019-12-06	Document the findings and address findings of concepts, architectures, models to related working groups.

Use cases:

Use Case	Objective	Comments
PNF Plug'n'Play Message Flow	Show interworking of NetConf and VES on PNFs	The use case was already demonstrated in ONAP Dublin with simulators. The focus is on PNF's this time. • O1:REST/VES/pnfRegistration • RAN Devices are visible in ODLUX Connect app as connected, after activation • Devicemanager, Webserver and O-RAN PNF Simulator • Lead developer = Nokia
PM Bulk request	Show interworking of VES and file transfer	• O-RAN PNF Simulator • Lead developer = Ericsson
Basic Fault Message Flow	Show interworking between VES and NetConf.	The interesting part is, if the information of VES fault can be correlated with the objects defined by YANG. • O1:REST/VES/fault • Fault notifications are visible in ODLUX Fault app as notifications • Devicemanager, Webserver and O-RAN PNF Simulator
Basic Configuration Message Flow	Show synchronization of configuration changes via VES events	Open: CM VES format. • O1:REST/VES/configuration, simulated via Fault message • ODLUX Config App ist doing the configuration change as starting point • Devicemanager, Webserver and O-RAN PNF Simulator • Lead developer = CommScope
WG4 Open FH MPlane	Show the usage of the MPlane specification by WG5 OpenFH.	The use case was partly demonstrated in ONAP (pre)ElAlto with simulators. The focus is on PNF's this time. • Lead developer = Samsung

OOF-based 5G optimization	Show enhancements of the use case implementations and a complete closed-loop implementation with RAN.	This use case is an illustration of A1 functionality