2020-11-18 Meeting notes (ONAP/O-RAN-SC/SMO - Meeting)

Date

18 Nov 2020 | 9am PST | noon EST | 17:00 UTC | 18:00 CET | 21:30 IST |

Zoom: https://zoom.us/j/436210993

Attendees

- Martin Skorupski ⭐
- Alex Stancu ⭐
- John Keeney ⭐
- Mahesh Jethanandani⭐
- Swaminathan Seetharaman
- Abhinav Singh
- Alessandro Gerardo D'Alessandro ⭐
- Amy Zwarico
- Andrea Buldorini ⭐
- Andy Mayer ⭐
- @Anh Le
- Claudio David Gasparini ⭐
- Dibas Das ⭐
- @Dmytro Gassanov
- Fernando Oliveira ⭐
- Grzegorz Wielgosinski
- HariomGupta(HCL) ⭐
- Joachim Blixt ⭐
- Kamel Idir ⭐
- user-7f92d
- Kuldeep Negi
- Lasse Kaihlavirta ⭐
- Lathishbabu Ganesan
- Manoj Nair
- marcin krasowski ⭐
- Michela Bevilacqua ⭐
- Paulo Costa ⭐
- Pawel Slowikowski
- Ruslan Kashapov ⭐
- Sonia Sangari ⭐
- Scott Blandford ⭐
- subhash kumar singh ⭐
- Timo Perala ⭐
- @Vidhu Pandey ⭐
- Zu Qiang (Ericsson) ⭐
- emmanuel sarris

Please add yourself. Thanks!

Informed

- Andrea Buldorini
- Alexander Dehn
- @John Ng
- George Clapp
- Herbert Eiselt
- KAPIL SINGAL
- Tracy Van Brakle

See also

- 2020-11-18 Meeting notes - Joint OAM / NONRTRIC / SIM / SMO SCRUM meeting

Goals

- share information between
  - O-RAN-SC Non-RT-RIC
  - O-RAN-SC OAM
  - O-RAN-SC SMO
  - ONAP CCSDK/SDNC/SDN-R
  - LFN 😉

Recording

link to the zoom (mp4 format)

Discussion items

Time	Item	Who	Notes
00:00	Admin	Martin Skorupski	Next meetings: **2020-11-18** Martin Skorupski **2020-11-25:** Martin Skorupski **2020-12-02**: John Keeney **2020-12-08:** Martin Skorupski **2020-12-15**: ???

00:05	O-RAN-SC	O-RAN-SC PTLs	Status reports: ▪ SMO: ▪ init package spec ▪ standardization in O-RAN ▪ CNF package meeting ▪ package validation demo ▪ This is the Gerrit submission for the Postman script. https://gerrit.o-ran-sc.org/r/c/smo/o1/+/4998 ▪ Non-RT-RIC: ▪ focus - R3 (Cherry) - code freeze - documentation in ONAP ongoing ... ▪ http proxy and rest config the function ▪ Non-RT-RIC - bundle function into the same controller as OAM as deployment option ▪ ONAP pull to O-RAN-SC (code is hosted in ONAP) ▪ Deployment based on OOM ▪ policy enrichment functions ▪ end-to-end testing ▪ heath check ▪ Traffic steering ▪ SIM: ▪ wiki for yang-validation: https://wiki.o-ran-sc.org/display/IAT/Sim-01+YANG+model+verification ▪ by John: A1 sim is workinfg fine ▪ OAM: ▪ documentation!!! (dont forget 😉) ▪ Preparation for demo videos for C-Release ▪ Basic Fault ▪ VES for O1 ▪ NetConf notification for O-RAN Fronthaul ▪ Basic PM ▪ VES file ready from O1-Sim ▪ FTPes to O1-Sim ▪ PM-mapper ▪ using a REST client for VES-PM on DMaaP ▪ Basic Config ▪ alarm-list ▪ inventory ▪ visualization and modification of O-RAN-FH parameters
00:22	Use Case	Swaminathan Seetharaman	Use Cases Please see: Potential ONAP <-> O-RAN collaboration use cases
00:25		@Mahesh	Application Package Structure • TOSCA Info from Michela Bevilacqua ▪ ONAP enhanced TOSCA ▪ API schema definition for YANG and VES On the agenda for next week - thanks!!! 😉 Zu Qiang (Ericsson) presenting ONAP on-boarding package -- CNF packaging and App packaging - seems there is some overlap?!?!?
00:30			Questions and Answers • data model - from Bitbucket DM with 3GPP and O-RAN (**draft** - November train) • closed loop use case with A1 and O1 ◦ E2 sim functions may needed Use Case ◦ O-RAN-FH node (VES triggers O1 change) ▪ VES-fault-event ▪ you see it on DMaaP ▪ fault to DMaaP ▪ SMO app via OAM config change (see POSTMAN scripts) ◦ O1 - Near-RT-RIC (VES triggers A1 change) ▪ VES-fault-event ▪ you see it on DMaaP ▪ Non-RT-RIC rApp reads from DMaaP ▪ update A1 policy in Near-RT-RIC/xApp APP package implementation ▪ once the package spec is available - what would be the next steps?

END Backup			
00:10		Mahesh	Postman scripts to interface with the SMO and in turn test O1 interface between the SMO and different parts of O-RAN instances of O-CU, O-DU, O-RU and RIC using these models. • yang modules • framework for test and validate CM share content in in SMO gerrit and create wiki linking to the same source • Working on a framework for vendors for OAM/YANG tests • O-RAN-SC to host the framework • Postman and vsCode as RestClients • Alex about to setup a SIM in OSC lab - involve Rittwik in a O-RAN private lab • OpenFronthaul • 3GPP models are considered. Feedback from Rittwik • SMO in T-Labs • how to run Netopeer server - req to Felix (O-RAN-SC INT PTL) • Alex asked for VMs Init script (Postman) for O-RAN OAM FH M-Plane (o-ran-interface.yang augmenting) interface demoed RFC8040 (RestConf by IETF) support supported by ODL

00:25		Konrad Baka	Konrad is absent this week. The presentation will be made when Konrad is available.
			
			O-RAN Component deployment
			
			The question is: How to deploy the red colored CNFs/VNFs of the O-RAN-Architecture?
			
			▪ CNF for O-RAN-components
			  ▪ model of CNF - how to be configured, how many components, blueprints
			  ▪ CDS model needs to be created
			  ▪ Network-service based on several CNFs
			  ▪ CNF types
			  ▪ Near-RT-RIC
			  ▪ O-CU-UP
			  ▪ O-CU-CP
			  ▪ O-DU
			
			For detailed discussion the following page was created:
			
			▪ CNF deployment of O-RAN Components
			
			Package
			
			▪ for Network Functions (priority)
			▪ for Network Service (second step)
			
			CNFs or VNFs
			
			▪ both should be considered
			  ▪ let's start with CNFs first
			  ▪ VNF is considered as additional option
			
			▪ no CNFs and VNFs combined in a single package
			  ▪ maybe not for rApps
			  ▪ VNF should take care about internal CNFs

Action items

- [ ]