2021-03-31 Meeting notes (ONAP/O-RAN-SC/SMO - Meeting)

31 Mar 2021 **| 9am PDT | noon EDT | 16:00 UTC | 18:00 CEST | 21:30 IST**

Note:

- North American daylight saving 2021 starts March14
- European daylight savings 2021starts March28

ZOOM**:https://us02web.zoom.us/j/89069708424?pwd=aGJOZm54eTUxd0FXR0VCU1N0ejBrUT09**
Meeting ID: 890 6970 8424

Attendees

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

Please add/remove yourself. Thanks!

Informed

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

See also

- 2021-03-31 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

- Recording (cloud)
- Recording (low res mp4)

Discussion items

Time	Item	Who	Notes
00:00	Admin	Martin Skorupski	**Next meetings:** 2021-04-07: John Keeney 2021-04-14: Martin Skorupski - 2021-04-21: John Keeney 2021-04-28: Martin Skorupski

00:05	O-RAN-SC	O-RAN-SC PTLs	Status reports:
			• **Non-RT-RIC:** John Keeney
			  ▪ supporting Dan
			• **SIM:** Alex Stancu
			  ▪ O-RU and O-DU-hello-world under implementation
			• **OAM:** Martin Skorupski
			  ▪ yet another slack 😉 #ccsdk-sdnc-features
			  ▪ Update docker-compose (link)
			  ▪ to onap-sdnc:2.1.3 (version from Mar26)
			  ▪ to org.onap.dcaegen2.collectors.ves.vescollector:1.9.0
			  ▪ to DMaaP - 1.1.18
			  ▪ next steps
			  ▪ integration of an identity server
			  ▪ update ccsdk to ODL silicon - needed for NETCONF-Call-Home/TLS
			  ▪ creation of a use case specific docker-compose with simulated O-RU-Fronthaul and O-DU-hello-world.yang + ves: pnfRegistration (maybe ves:heartbeat, ves:fault) - header VES:7.2.1

00:10	SMO functionality and alignment between ONAP and O-RAN SC	Swaminathan Seetharaman	SMO functionality and alignment between ONAP and O-RAN SC • Swami, John and Martin: slide set was presented • There was a meeting between ONAP TSC and O-RAN-SC ToC - including LFN • 
00:15	Q/A		
00:15	Scope of this call	Damian Nowak	SMO • O-RAN O1 - covered here • O-RAN A1 - covered here • O-RAN O2 How to address it? Waiting for first version of the spec. O-RAN WG6
00:16	"A1 Proxy"	Hieu Nguyen	Proxy between A1-Adatper and Near-RT-RIC • ULRs • Certs
00:16	"A1 Proxy"	Pawel Slowikowski	more on A1 Proxy • internal Proxy 2 proxies in a row • maybe a wiki helps also in future
00:20	Architecture	Pawel Slowikowski	Feedback notification to Policy • Policy vs Analytics - where to implement? • Issue no use case driving this topic yet • Spec says - notification yes, but not info about its processing • Notification receiver - currently logs the notification **from Slack:** Hi O-RAN-ONAP experts! I have one question regarding the feedback policy operation, do you plan (or have some idea) how this operation should be supported in ONAP (as an SMO)? **Answer:** We have a plan - but there are several options and it is not clear which one to choose **follow-up question**: What should be done with such notifications? **potential use case:** UE movement clean up of Policies when moving from one Near-RT-RIC to the next Currently, we have only the status_notification_uri field in the policy preload available. But the http server is missing on the A1-P Consumer site (ONAP-PMS, SDNC/A1 Adapter) that will respond to this POST request (feedback) from the Near RT RIC site. How is the community vision on this topic? I wonder that this "feedback" should be handler by R-APPs or the PMS will be responsible for that? **Answer:** might be use case driven I saw that the community not use this slack channel but this is my first attempt to start some discussion here. Also this topic can be handler during our weekly call blocked URL **we will be better** 😉
END			

00:??	Use Case	@all	**OSC Proposed e2e integration use case: O-RU FH connection recovery**
			• REF/Background:
			  ◦ (OAM) Closed loop use case
			  ◦ (RSAC) Meeting 14 Jan:
			  ▪ Slides: https://wiki.o-ran-sc.org/download/attachments/1179971/RU_failure_recovery_use_case.pptx?version=1&modificationDate=1610637325824&api=v2
			  ▪ Recording: https://zoom.us/rec/share/mKYOGkB3mgpvIo2Hx1eY5Oifyw9qV9NQd7NiEj-FxQKP0kUpWOc7yvMO_LLPhA_M.lmx2LCh7-QwDHAFi
			• Martin Skorupski provided intro
			  ◦ Alarm when fronthaul connection dies (O-DU - O-RU) (VES to SMO)
			• John Keeney If there is a failure both O-DU & O-RU will try reconnect anyway - without this loop? Martin Skorupski Yes.
			• @? How does SMO connect to O-RU?
			  ◦ Martin Skorupski This is a mix of different deployment options (hierarchical vs hybrid, O1 vs M-Plane). Main issue is agreeing models & terminology.
			• John Keeney Seems this use case is not real-world useful, especially since recovery will happen automatically anyway, & mix of standards ...
			• Martin Skorupski John Keeney Using this use case as longer term motivator for SMO/NONRTRIC/rApp development - independent of usecase
			• Topology ??:
			  ◦ May need a topology service for this use case - John Keeney Will use a simple file/hardcoded for initial versions of this use case.
			  ◦ Pawe Pawlak Andy Mayer Topology in A&AI, CPS ? John Keeney No - not initially. Plan to keep it simple for this release.
			
			<bridge dropped recording stopped at this point. Most participants reconnected once bridge started again>
			
			• Topology ??: (contd)
			  ◦ John Keeney Lots of options for how this should be done properly in ONAP.
			  ◦ Swaminathan Seetharaman ONAP usecases already have some plans for this e.g. slicing, oof, etc
			  ◦ Andy Mayer A model should be agreed in ONAP. Lots of previous discussions in ONAP - e.g. what goes in A&AI and CPS ... but that was a while ago.
			  ◦ Martin Skorupski SDNR has some topology model too - not standards based.
			  ◦ @Sven John Keeney Martin Skorupski Lots of issues with different topology models ... and most existing hierarchical models break down in a 5G/CloudRan environment
			  ◦ Lots of work ... Andy Mayer Martin Skorupski Can create a JIRA in ONAP MODCOM ...
			  ◦ ... but will keep it simple here for this use case.
			• @? Will other O1 usecases be effected? Martin Skorupski i No. O1 functions continue as before.
			• Martin Skorupski Please add feedback if any

Action items

- [ ]