2021-04-14 Meeting notes - Joint OAM / NONRTRIC / SIM SCRUM meeting

Time & Location:

Meeting Detail: Times & Joining Info

Wednesdays at 16:00 UTC in Summer (DST), 17:00 UTC in Winter !

NOTE: During the "Daylight Savings Time" changeover periods (US vs Europe vs Asia) the time of the meetings may fluctuate. See the Calendar: (https://lists.o-ran-sc.org/g/main/calendar)

- Summer Daylight Savings time eventually stabilizes to: *9am PDT | 12pm EDT | 16:00 UTC | 17:00 BST | 18:00 CEST | 19:00 EEST | 21:30 IST | 00:00 CST (Thurs) | 01:00 JST (Thurs)*
- Winter (non-DST) time eventually stabilizes to: *9am PST | 12pm EST | 17:00 UTC | 17:00 GMT | 18:00 CET | 19:00 EET | 22:30 IST | 01:00 CST (Thurs) | 02:00 JST (Thurs)*
- *(During WinterSummer DST changeover we follow US time. SummerWinter we follow Europe time)*

Zoom Bridge : *https://us02web.zoom.us/j/89069708424?pwd=aGJOZm54eTUxd0FXR0VCU1N0ejBrUT09*

Joining the meeting:

- Meeting ID: 890 6970 8424
- Dial in: (Local numbers)
  +1 646 558 8656 US (New York)
  +49 30 5679 5800 Germany
  +49 69 3807 9883 Germany
  +353 1 240 8941 Ireland
  +46 8 4468 2488 Sweden
  +46 8 5016 3827 Sweden
  +358 3 4109 2129 Finland
  +358 9 7252 2471 Finland

Date

14 Apr 2021

Attendees

- John Keeney
- Martin Skorupski
- Alex Stancu
- Kenny Paul
- user-4594e
- Andy Mayer
- *Sorry - didn't manage to get a full attendees list for this meeting ... please add yourself* 🙂

See also / co-located (ONAP/O-RAN-SC/SMO - Meeting)

- Co-located with ONAP 2021-04-14 Meeting notes (ONAP/O-RAN-SC/SMO - Meeting)

Contents:

Recording

- [Recording (cloud)](#)
- [Recording (low-res mp4)](#)

Notes:

Housekeeping:

- ***Reminder from previous weeks:***
  - *OSC SMO calls now move to its own time slot - Thursdays*
  - *See OSC RSAC Calendar: https://wiki.o-ran-sc.org/display/RSAC/calendars*
  - *(Note this meeting to open to anyone, including non-ORAN members)*
  - *We will maintain this slot for ONAP Alignment, and try flag issues/question to/from SMO meetings.*
  - *See [OSC SMO Project meeting notes](#)*

OSC Project roundup:

NONRTRIC ([John Keeney](#))

- Prototyping building blocks that might be useful in the future for rApps and R1
  - Many rApps will likely contain helm charts so working on a function to do basic lifecycle management of helm charts
  - A major part of R1 platform will center on service & API exposure. Experimenting with Kong.
- Working hard to increase test coverage & tidy up NONRTRIC control panel.
- Working on updating Gateway function for the Control to use.
- In ONAP: A1 Policy Management needs to maintain state.
  - Implemented as persistent state storage to local storage, which can then be realaised as a K8s persistent volume for state to store/share state across k8s pods and pod restarts
  - May need to use something more complicated later, e.g. DB-backed.
  - Working with OSC IT/DEP and ONAP OOM teams to add these changes to deployment scripts

SIM ([Alex Stancu](#))

- Prepared 2 docker images
  - O-RU simulator with Nov train yang models
  - O-DU simulator with hello-world usecase yang model

OAM ([Martin Skorupski](#))

- VES std-defined event functionality (See last week) to allow other SDOs to inject their schemas into VES body

  - Unlikely to be demonstrated in D Release
- Updated Heloo-World usecase YANG model for O-DU. Still under discussion at RSAC/TOC level - pending reviews. Ref:

  - RSAC meeting ([2021-04-08](#)),
  - JIRA [ODUHIGH_322](#).,
  - [gerrit review 5870](#).
  - [wiki page](#)
- O-DU team confirms ability to send PNF registration VES message and see Netconf session established.
- Request to come up a generic OAM adapter (temporary solution/workaround) to translate to O-RAN conforming interface - External to the network function.
  - Still under evaluation/discussion. More to follow later.

ONAP-OSC & QA:

- Discussion about **LFN 5G Super Blueprint**
  - https://wiki.lfnetworking.org/display/LN/LFN+Demo%3A+5G+Super+Blueprint
  - https://wiki.lfnetworking.org/display/LN/5G+Super+Blueprint+Timeline
  - OSC may be involved in Phase 3.
  - Alot of confusion/discussion about how this could be realized
  - Ref also [RSAC meeting](#) 13/Mar - [Recording](#)
  - Some questions:

    - Who will do all the integration? Drive requirement?
  - [Kenny Paul](#) provided some additional background

    - Landing Page: https://www.lfnetworking.org/5g-super-blueprint/
    - Wiki Page: https://wiki.lfnetworking.org/x/EAADAw
    - Mailing List/Calendar: https://lists.lfnetworking.org/g/lfn-demo
    - Encourage anyone to join the bi-weekly meetings, (next Tuesday 20th @3pm UTC)
  - [John Keeney](#) Who's driving this? Has it resources of its own?

    - [Kenny Paul](#) LFN drives, & depending on resourcing from participating projects

- John Keeney Where there are multiple solutions who drives adoption/architecture decisions?Is there a big picture/goal?

    - Kenny Paul Multiple options exist & need further discussion. Idea to try prove just a small number (or 1) proof point from the many different options.
- John Keeney Please confirm relation with US Gov & US military

    - Kenny Paul Ref https://usgovops.org/ops5g/ & https://www.darpa.mil/program/open-programmable-secure-5g

        - Open to everyone & everything is opensource. US Gov would be a consumer/user.

- Topology Modelling work ongoing in ONAP Martin Skorupski Andy Mayer
    - Looking at use cases
    - John Keeney Is there alignment between O-RAN Alliance & ONAP (& OSC) on this?
        - Andy Mayer That's the idea, but no concrete plan yet. Still working on it
        - Martin Skorupski Need multi-domain topology model - especially for FM for example - so perhaps ONAP is the best home since it's more over arching?
        - Must be able to deal with & provide mapping between models & domains. Lots of work!
        - Aim for Meta-model first & then support domain models & mappings etc.

- Alarm Dictionary work ongoing in ONAP Martin Skorupski
- O-DU O-RU FH Connection supervision hello-world use case ...
    - Will use normal VES collector 1.9.0 from ONAP
    - Plan to use DMaaP to pass events to NonRTRIC DMaaP 1.1.8
        - Will see a an alarm DMaaP message with FH connection is brought down
    - Netconf client will be SDNR/CCSDK.SDNC 2.3.1
        - Will expose RESTCONF NBI to configure O-DU to bring FH conenction back up (Adminstrative State Unlocked) .
    - Still examining different options to implement NONRTRIC link monitor function / app. Still not completely clear yet.
    - Need to work a little on helm charts for OAM/NONRTRIC/SMO environment for the use case.
        - Multiple charts is probably fine - so long as all in same cluster
    - Will use AdministrativeState to bring FH connection Up/Down ... probably not the exact purpose for the AdministrativeState value ... but OK for this hello-world use case.
        - e.g. O-DU needs to "shut down" the FH conenction when "LOCKED" ... but this might not be "normal" real-world behavior
        - O-DU should kill the conenction
        - O-RU should send alarm
- user-4594e Will speak next week about CPS