2021-09-29 Meeting notes - Joint OAM / NONRTRIC / SIM SCRUM meeting

Time & Location:

> ℹ **Meeting Detail: Times & Joining Info**
>
> **Wednesdays at 16:00 UTC in Summer (DST), 17:00 UTC in Winter !**
>
> **Zoom Bridge :** *https://us02web.zoom.us/j/89069708424?pwd=aGJOZm54eTUxd0FXR0VCU1N0ejBrUT09*
>
> - Ensure you are signed into your Zoom account to join.
> - Meeting ID: **890 6970 8424**.
> - *See the Calendar: (**https://lists.o-ran-sc.org/g/main/calendar**)*
> - *NOTE: During the "Daylight Savings Time" changeover periods (US vs Europe vs Asia) the time of the meetings may fluctuate.*
>   - 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 follow US time. SummerWinter DST changeover follow Europe time*
>
> - Meeting ID: **890 6970 8424**
> - You will need a **Participant ID** so you will need to join the meeting from a Zoom client first to get this.
> - 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

29 Sep 2021

Attendees

- John Keeney
- Martin Skorupski
- Alex Stancu
- user-4594e
- David Allabaugh
- David Johnson
- David McBride
- Dibas Das
- Douglass Evans (USN)
- Fernando (Fred) Oliveira (Verizon)
- Hariom Gupta
- Kevin Tang
- Marcin Krasowski
- Martial Ngueko (AT&T)
- Michal Cmarada
- N.K. Shankaranarayanan
- Pawel Slowikowski
- user-59b16
- Sebastien Determe (AT&T)
- Sonia Sangari
- Tracy Van Brakle
- Vidhu Shekhar Pandey
- *May not have captured a full attendee list for this meeting ... please add/remove yourself* 🙂

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

- Co-located with ONAP 2021-09-29 Meeting notes (ONAP/O-RAN-SC/SMO - Meeting)

Contents

Recording

- Recording (MP4 - low res)

Notes:

Housekeeping:

OSC SMO Meeting Series: 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)

- A1 Policy Functions in ONAP: Istanbul release prep:
  - Updating documentation, verifying tests & ensuring version step.
  - Community support - chasing possible bug in A1 Simulator
- NONRTRIC :
  - Introduced a new mediator function to create Enrichment Information producers from DMaaP topics - allows DMaaP information to flow to rApps.
    - Implemented in Java & Go (as a PoC/learning for using Go)
    - Awaiting further clarification to guess if this might be useful later support data exposure over R1
    - Lot of enhancements possible (e.g. filtering, transformation, batching, access control, caching etc)
    - Could be use to present O1 PM/FM/CM-notif to rApps if available on DMaaP
    - Currently unidirectional DMaaP->InfoJobPublisher
  - Examining the possibility of PoCing PM File collection DMaaP (then use function above) (Already working in ONAP)
    - Reuse ONAP DFC function
      - https://docs.onap.org/projects/onap-dcaegen2/en/latest/sections/services/dfc/architecture.html
      - https://wiki.onap.org/display/DW/Bulk+PM+-+PM+Data+Control+Base+Use+Case+Page
    - Maybe later we can Bulk-PM Collection Job/Subscriptions
      - ONAP PMSH service may be useful:
        - https://docs.onap.org/projects/onap-dcaegen2/en/latest/sections/services/pm-subscription-handler/index.html
        - PMSH usecase is quite complicated
          - https://wiki.onap.org/pages/viewpage.action?pageId=71836055
          - https://wiki.onap.org/pages/viewpage.action?pageId=100895810
        - A simpler cut down version with less functionality may be possible.
  - David McBride Ref DMaaP work on using Strimzi etc (Fiachra Corcoran)
    - DMaaP Client APIs changing & possible more direct access to kafka - new Producer?
- PM File management/subscription support in OSC / ORAN RAN functions / Simulators - O1 ?

  - Alex Stancu Martin Skorupski John Keeney
    - Currently hard coded in most simulators
      - Fileready event can be triggered using a netconf rpc action towards OSC simulators
    - Discussions ongoing in O1 spec.
    - perhaps based on 3GPP spec *fileDataReportingMnS* in https://www.3gpp.org/ftp/Specs/archive/28_series/28.532/28532-g81.zip ?

- ○ Pawel Slowikowski - Also on backlog in Samsung simulator in ONAP

SIM (Alex Stancu)

- Working on VES stdDefined support

OAM (Martin Skorupski)

- E2E network slicing study for Orchestration
  - ○ Considering TMForum API instead of 3GPP APIs - easier licensing

O-DU (HariomGupta(HCL))

- Vidhu Shekhar Pandey Working with Mahesh Jethanandani for models
  - ○ Which VES Collector to use?
    - ■ John Keeney Martin Skorupski Should be the same - whichever VES Collector is used - So both?
  - ○ user-59b16 SMO teams will implement DMaaP adapter from their VES collector

News from OSC TOC call this week

- No update

Update on OPS-5G program (David McBride, Doug Evans)

- (@ 26:17 in Recording)
- https://www.darpa.mil/program/open-programmable-secure-5g
- https://usgovops.org/ops5g/
- DARPA Project for "Open Programmable Secure" 5G stack (US GOV OPS)
  - ○ Interested in crosscutting LF projects
- Have development resources available - may contribute to ONAP & OpenDaylight initially
- Interested in Security of Network Slices
  - ○ Note ONAP use case (ONAP Enterprise Task Force team)
    - ■ https://wiki.onap.org/display/DW/TSC+Task+Force%3A+ONAP+for+Enterprise+Business
    - ■ Martial: not yet a use case. Working closely with SABRES research project - University of Southern California (Dr. Erik Kline - USC) for slice security
- Also looking at OpenFlow (OpenDaylight team)
  - ○ Interested in updating OpenFlow support in openDalight (Overlaps with a Georgia Tech. research project)
- OPS-5G MiniSummit will be co-located with ONES summit.
  - ○ https://events.linuxfoundation.org/open-networking-edge-summit-north-america/
  - ○ https://events.linuxfoundation.org/2021/09/22/the-linux-foundations-open-networking-and-edge-one-summit-expands-programming-with-keynote-and-mini-summit-by-the-us-government-enabling-secure-open-and-programmable-5g-networks/
- Way of working
  - ○ US navy acting as an agent for DARPA
  - ○ Network of collaborators (universities, contractors etc) & own staff
  - ○ Code will be upstreamed via LFN projects - so additional open collaboration actions via LFN projects.
  - ○ Separate program to take opensource functions for use in internal testbeds/projects.
    - ■ MOJITO (Multisite OPS-5G Joint Independent Testing Option) (https://usgovops.org/ops5g/)
      - • LF working with US DoD to provide this to test 5G security & prototyping
    - ■ Including supporting US contributors to innovate
      - • With (some?) upstream contribution back to projects
- Desire to add automation in networks & management
- OPS-5G Relationships to 5G SuperBlueprint?
  - ○ Indirect relationship working on constituent parts.
- IPR licensing?
  - ○ Same as any other contributor
  - ○ Some usage may fall under "Governmental Use Rights"

ONAP SMO deployment options

- Not much time ... David Johnson will talk a bit more next week about interactions with ONAP SMO deployment team