2022-08-23 Meeting notes

Date

23 Aug 2022

Attendees

- N.K. Shankaranarayanan
- Malarvizhi Paramasivam
- Vishal Varvate
- Andrew K
- Halil Cakal
- murali parthasarathy k
- John Keeney
- Dilip Krishnaswamy
- Kevin Timoney
- Ahila P

Recording: video1081010987.mp4

Agenda

1. Kohn release timeline - M3 target is Sept 1.
2. Control Loop message format - Reviewed control loop message in JIRA. We have consensus to share format with Policy team
3. RAN-Sim update - Ongoing progress. No issues.
4. Rutgers lab info - Shared info about Rutgers Lab used for integration testing. See Open Wireless Lab - NO LONGER AVAILABLE for info about access

Notes

Item	Who	Notes
Control Loop message format		Converged on a modified Control Loop message format for PCI and ANR messages. Changes made to designate them as SONO1 and SONA1 messages. The message format is tracked in trh Policy JIRA ⚡ **POLICY-4108** - Control Loop Policy for A1-based action for SON Use Case CLOSED There is impact on SONH-MS, SDN-R, RAN-Sim also. 8/23 - Reviewed control loop message in JIRA. We have consensus to share format with Policy team

| A1-Simulator (A1 Terminator) RAN App | | 8/9:

A1-Termination code is in OSC repo

https://gerrit.o-ran-sc.org/r/gitweb?p=sim%2Fa1-interface.git;a=shortlog;h=refs%2Fheads%2Fmaster

Payload of A1 Policy msg will have HO_KPI is numeric form.

RAN App is programmed / configured with a poorHOKPI_threshold (e.g, 20). If HO_KPI < threshold, then the cell relation needs to be marked as isHOAllowed=false.

7/19:

Halil Cakal discussed the previous email message to converge on the Kafka message format between the A1 Terminator and RAN App

- Confirmed details of Kafka message format
- A1 Terminator will own the Kafka topics and mapping to policy_id
- Assume pre-configured knowledge of existence of ANR RAN App so that it does not need to be discovered during initial bootstrap (this would require an interface between A1 Terminator and RANSim Controller which keeps a catalog of RAN Apps)
- Default timeout value of 30 seconds (configurable) for response from RAN App to A1 Term. It might take longer to have Policy processed in RAN-Sim. Can be adjusted during testing.
- Halil will send email with items agreed.

-- from 7/12 last week --

- Need configurable lookup table (Map) for
  - A1 Policy Type :-: Topics (req & resp)
- Need 2 topics: request and response
  - RANSIM will query A1-SIM (adapter) to request lookup table - per A1 Policy Type
  - Each message A1-Sim RanSIM will have a requestID Key - which must be included in the reply RanSIM A1-SIM to correlate requests & responses.
    - Default timeout 30 sec waiting for response.
- Need Near-RT-RIC ID in each message A1 Sim RanSIM
  - Can be ignored by RANSIM - as RANSIM acts as 1 near-RT-RIC, so 1:1:1 mapping A1-SIM : RANSIM : nearRTRIC
- Next week will demo a real A1 Policy Type (prefer the actual use case type) with full end-to-end sequence
  - (request) curl/postman A1(REST) A1-SIM kafkaAdapter kafka broker RANSIM(stub)
  - (response) RANSIM(stub) kafka broker kafka adapter A1-SIM A1(REST) curl/postman |
| RAN App RAN-Sim Controller Honeycomb RAN NF (CU) | | 8/9 See comments in

[⊞ **INT-2129** - Create RAN App in RAN-Sim to support A1-based action for SON Use Case `CLOSED`]

netconf editmsg to change nrcellrelation/isHOAllowed property has been added to the the JIRA. This is aligned with the O-RAN yang model.

RAN App output will use this format as the payload in the websocket msg. |