

Near-RT RIC Cherry integration tests



Deferral

Integration and testing of the following flows are deferred to the Dawn release.

- (1) Testing RIC-95 is essentially the implementation of "RIC On-Demand Health-Check" in <https://wiki.o-ran-sc.org/pages/viewpage.action?pageId=14221844> However the implementation is different from the sequence diagram in that we have an "O1" REST interface to send a health check message to all or a selected list of E2 nodes and then we see "receive timestamps" that indicate that the message was received. The flow would include a near-RT RIC and an E2 node. The E2 node must implement the E2AP RIC Service Update procedure (no matter if it includes actual RAN function lists or not).
- (2) This one does not correspond to any use case defined from RSAC. However, it's a sensible operability use case. Testing E2T statistics being sent to ONAP. With this patch (<https://gerrit.o-ran-sc.org/r/c/ric-plt/vespamgr/+5091>) that has been added into vespamgr it should now be possible to get E2 stats (on number of packets over E2) via the path **E2T->Prometheus->VESPA(ONAP)**. The patch adds an environment variable VESMGR_PLT_CFG_FILE which contains the VESPA mapping for this path: **Prometheus->VESPA**. This part should already work: E2TPrometheus. The case could also be expanded to actually add a E2 node (CU/DU) to actually see how statistics change as there is actual E2 communication with the near-RT RIC.