TF Integration with ONAP

Date

25 Jun 2020

Attendees

LFN Staff: Kenny Paul, Casey Cain

Community: Abirami Thangavel ,@Ahmed Sawaf, @ArunChapagain, @Dan TImoney, @felix katz, @gennadi gorey, Herakliusz Lipiec , @hussain harboosh, @Kaluankumar Asangi, @Khaled Ibrahim, @kingsley lawrence, Krzysztof Kajkowski , @Kuldeep Negi, @lulah Alshogeir, @MD Ishrad Sheikh, @mishal alshahrani, @m suleman tariq, @muhammad sajjad, @munthir alotaibi, Prabhjot Singh Sethi, Sai Pujita T , Ranny Haiby, @reddi sekhar, sagar Chitnis, Soujanya R M, @stefan garcia, Subramanian M @vasyl razinkov

Overview

Discussion on the integration architecture and the work needed to get the integration done

- Schedule: https://teamup.com/event/show/id/Dp4eZkYiouDzfZjT8QY7qFjLdugkpR
- Recording: TF Integration with ONAP.mp4
- Slides:

Minutes

- **Presentation by Prabhjot**
    - Benefits for TF community - additional developers, CNF use cases
    - ONAP community - SDN functionality, variety in SDN controllers, LFN synergy
    - There is a history of integration between ECOMP and Contrail - the commercial "parents" of ONAP and TF
    - Possible integration was discussed in the recent LFN Whitepaper - https://www.lfnetworking.org/resources/2020/04/28/lf-networking-whitepaper/
    - TF extends the OpenStack networking API with templating capabilities. Offering BGP peering, service chaining, etc.
    - TF has integration with both OpenStack and K8S. But the functionality exposed through standard OpenStack and K8S APIs is limited. Real value is provided through extensions.
    - There is an expectation from the TF side to see a standardization of interfaces towards an SDN controller, for providing the required functionality such as BGP.
    - Potential integration should cover both orchestration and E2E monitoring
- **Open discussion**
    - One low hanging fruit could be re-using the code from the ECOMP/Contrail integration. This will require legal approval from the AT&T side
    - legacy code may be obsolete at this point
    - typical end-users of TF are both Telco and Enterprise
    - APIs alone are probably not a significant driver
    - In ONAP Aarna is working on virtual central office (VCO) for telcos - may be a good use-case for collaboration
    - Both communities are limited as to available developer and test resources to perform work
    - Technical followup meeting is necessary - joint meeting between TSCs would be appropriate. Should be a "sales pitch" to ONAP 😉

Action items

- ☑ @Dan Timoney follow-up within AT&T on the possibility of bringing in legacy seed code
- ☑ Kenny Paul , Casey Cain schedule time at an upcoming ONAP TSC meeting for a presentation from TF TSC   09 Jul 2020