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Minutes from the OPNFV End User Advisory Group call (November 29, 2017)

1 message

Min Yu <myu@linuxfoundation.org>

Thu, Nov 30, 2017 at 8:43 PM

To: opnfv-enduser-advisory-group@lists.opnfv.org

Attendees: Bryan Sullivan, Michael Bugenhagen, Rafael Lopez Da Silva, Randy Levensalor, Steven Wright
Joining from The Linux Foundation: Brandon Wick, Min Yu

Agenda

- Review Scope of OPNFV EUAG Pain Points
- Refine the VNF Onboarding and Deployment pain point
- Identify deliverables for pain point
- Create JIRA tickets
- Plan for next pain points meeting

Minutes

- Welcome Rafael from Telefonica as the newest EUAG member
 - Rafael comes from a traditional telecom background and his current focus is on distributing NFV at the edge, hardware migration paths, and distributing VNFs to central offices. Rafael has contributed multi-site use cases and is exploring orchestration, and performance issues as needed.
 - Brandon noted that EUAG calls in 2018 may move to the format of having individual members present their specific challenges as a way to open up discussions about how to address them in the OPNFV technical community. Rafael expressed an interest in participating.
- Review Scope of OPNFV EUAG Pain Points
 - Randy noted that the general consensus is to focus the pain points discussions on infrastructure, VNF onboarding, and the existing pain points listed on the wiki; rather than on customer interfaces as there are other groups defining those and they are outside of the OPNFV scope set by the Board and TSC.
 - Michael brought up the uCPE project that he believes will have a ripple effect throughout different groups as the project meshes cloud native and telecom services. Bryan stated that OPNFV is not there yet and that service templates may become more relevant down the road.
- Refine VNF Onboarding and Deployment pain point and identify deliverables
 - Bryan updated the group that the VNF Event Stream (VES) project has recently been created inside OPNFV. The VES project presents an opportunity for OPNFV to define the artifacts of an onboarding package, which artifacts are provisioned at the infrastructure level, to define and apply policies, and to address closed loop control. Bryan further noted that the Auto, Models, and VES project aim at establishing edge platforms with a distributed control plane. And Randy added a need to address how VNFs are managed and deployed, levels of access, the ability to recover from failure, to scale.
 - Michael raised a concern about the licensing requirement. Bryan acknowledged that the current landscape of deployment and implementation is vendor-centric but will evolve with the move to cloud native, and that abstraction from run time environment is the ideal state in the long run. In the short term, OPNFV is needed to enable the platform to support the onboarding process. Additionally, OPNFV has a great potential to explore platform capabilities in areas such as 1)

enabling the VNF to maximize performance, 2) merging cloud native framework TOSCA and YANG or telecommunications frameworks, and 3) driving the data model for inventory. Randy also noted the minimum hardware requirements such as DPDK and crypto offloading.

- The attendees discussed the need to develop an information model. Some of the work may already have been done in ETSI NFV, so strong links are needed with upstream SDO documents. This should be agnostic to the control plane (e.g. OpenStack), and include services (features and firmware). Michael pointed out a lack of documentation in this area. Bryan and Michael also touched upon the issue of managing crypto keys from VMs and containers and the challenge of replacing the legacy keys.
- Plans for next pain point meeting
 - Randy asked if the current structure of the meeting is effective to move things forward. Steven suggested clarifying the details more succinctly in the format of specific user stories. Randy will take the lead in translating the details into user stories and encouraged others to do the same between now and the next pain points meeting in early 2018. Randy will also create a slide deck on the pain points to present to the technical community at the OPNFV Plugfest next week.

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