PCEI Blueprint Minutes 2020.11.11

Time

5pm, Wednesday, Pacific

Attendees

- Oleg Berzin
- Tina Tsou
- Gao Chen
- Jian Li
- Matt Lehwess, AWS
- Mehmet Toy
- Zhengguang Ou
- XiaoCheng Li, Alibaba
- Trevor Tao
- NanNan Wang
- Asif Mehmood
- Feng Wang
- Jun Cao

Agenda

- MEC services architecture readout
- Technical update on EMCO as seed code for PCEI Enabler
    - Results of initial EMCO deployment and using Aarna Networks AMCOP
    - Azure IoT Edge on Kubernetes. https://microsoft.github.io/iotedge-k8s-doc/introduction.html
- Development planning approach based on EMCO and Azure IoT Edge
- Update on GSMA OPG/TEC

Minutes

- Meeting recording link: https://zoom.us/rec/share/N8h5fa_18SOFuZ68qyA5CaIiWmIH-HIW_jY4b1t1B4RK3WnY1sENLMgxWT4LG_JZ. j5iNJ_jOBH64B3jx
- Introduced PCEI architecture to Matt Lehwess
    - Agreed to follow up with Matt on the AWS Edge architecture/services and how it might interwork with PCEI
    - PCEI Enabler will need to support AWS APIs and/or Terraform to provision both the Public Cloud Core (PCC) and Public Cloud Edge (PCE, e.g. Outposts) services, where the PCE services are likely to be provisioned through the PCC interface
    - Oleg Berzin will invite Matt to present on the PCEI call (likely after the US Thanksgiving holiday)
- Oleg Berzin Introduced draft PCEI Enabler software architecture based on EMCO
- The figure below shows how EMCO can potentially be used to implement PCEI Enabler functions (solid line boxes are existing EMCO capabilities, dashed-line boxes will need to be developed)
    - API Handler (to be developed) could support MEC Services Interfaces (proposed by Mehmet Toy), such as Sonata/Legato, as well as GSMA and ETSI defined NBI and MEC interfaces respectively
    - PCC plugins will be required to provision services in the core clouds. These plugins may be based on Terraform or other APIs (e.g. conforming to Sonata/Legato)
    - EMCO can be used to onboard and deploy PCE as well as MNO functions on distributed K8S clusters