2022-06-DD - ONAP: PCEI Edge to Cloud connectivity and application deployment

Topic Leader(s)

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Topic Description

30m, Sriram Rupanagunta

Complex Multi-domain orchestration across Edge and Public Clouds, using ONAP CDS and Terraform plans

Topic Overview

The purpose of Public Cloud Edge Interface (PCEI) Blueprint is to develop a set of open APIs, orchestration functionalities and edge capabilities for enabling Multi-Domain Interworking across the Operator Network Edge, the Public Cloud Core and Edge, the 3rd-Party Edge as well as the underlying infrastructure such as Data Centers, Compute Hardware and Networks.

In this presentation/demo, we will be showing how ONAP module CDS can be used (along with Terraform plans) to provision Infrastructure on a Bare Metal (Equinix Metal Cloud), install K8S on Bare Metal, and configure Azure Cloud (Express Route, Peering, VNET, VM, IoT Hub). We will then interconnect Edge Cloud with Public Cloud (Equinix Fabric), and deploy Edge Application (PCE), which includes dynamic K8S Cluster Registration to EMCO, dynamic onboarding of App Helm Charts to EMCO, and finally, design and instantiate composite cloud native app deployment and end-to-end operation.

Note: Speakers will NOT be available on Thursday, June 16.

Slides & Recording

The slides are here.

The session recording is here.
Agenda

Minutes

Action Items

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