Akraino R6 includes EALTEdge blueprint (Enterprise Application on Lightweight 5G Telco Edge) an Akraino approved blueprint under 5G MEC system Blueprint Family. BP is intends to provide an ecosystem for enterprise application on light weight Telco Edge.

Akraino Blueprint: Enterprise Application on Light weight 5G Telco Edge (EALTEdge)
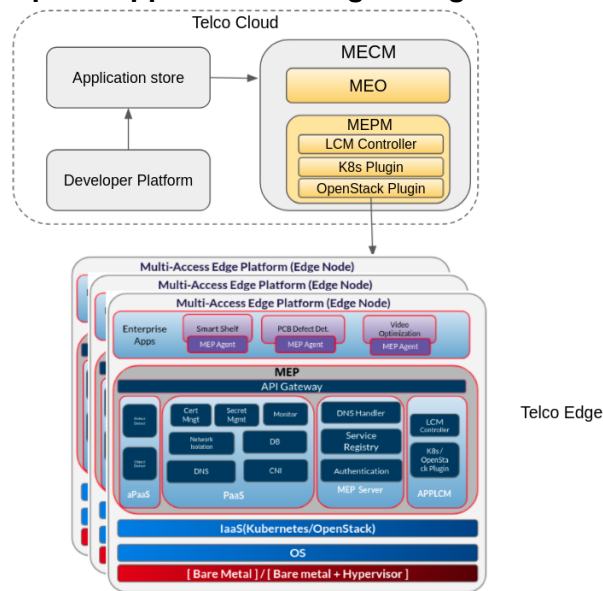

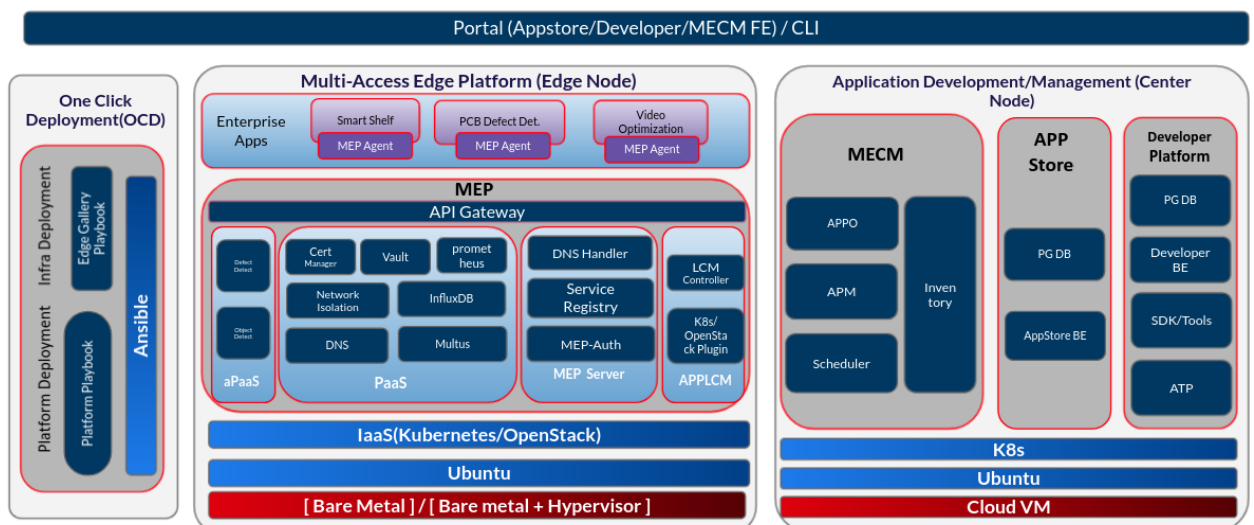Figure 1 – EALTEdge Akraino R6 Architecture

Figure 2 - EALTEdge R6 Software Stack

Overview

Enterprise Application on Lightweight 5G Telco Edge is an Akraino approved blueprint under 5G MEC system Blueprint Family. It intends to provide an ecosystem for enterprise application on light weight 5G Telco Edge. This platform can be leveraged by Telecom operators to provide edge computing capability to its enterprise users. Overall objective of this blueprint is to provide the following main features.

- ❖ Lightweight MEC Solution with reference to ETSI MEC Architecture.
- ❖ Developer Centric approach empowering developers to innovate & ship faster:
    - ❖ Developer Platform with rich tool chain.
    - ❖ Application store for enterprise application.
    - ❖ MEP-Agent for service registry.
- ❖ Rich platform capabilities (Network, PaaS, aPaaS etc.) for Enterprise use cases.
- ❖ Autonomous Edge Sites.
- ❖ Easy Deployment & Maintenance (OCD, CLI, Portals etc.)
- ❖ Heterogeneous deployment on Multi-Arch & Multi OS.

Key enhancements to BP in Akraino Release 5:

- ❖ Upgraded EdgeGallery version 1.1 which has been been added following new features.

1. Profile Management of southbound IoT devices
2. Added image file management service to solve the problem of image file sharing between EdgeGallery central node modules
3. Edgegallery unified portal for Developer, Appstore and MECM. application incubation process optimization in developer portal
4. All modules support data persistence capability

For more information:
https://wiki.akraino.org/display/AK/Enterprise+Applications+on+Lightweight+5G+Telco+Edge