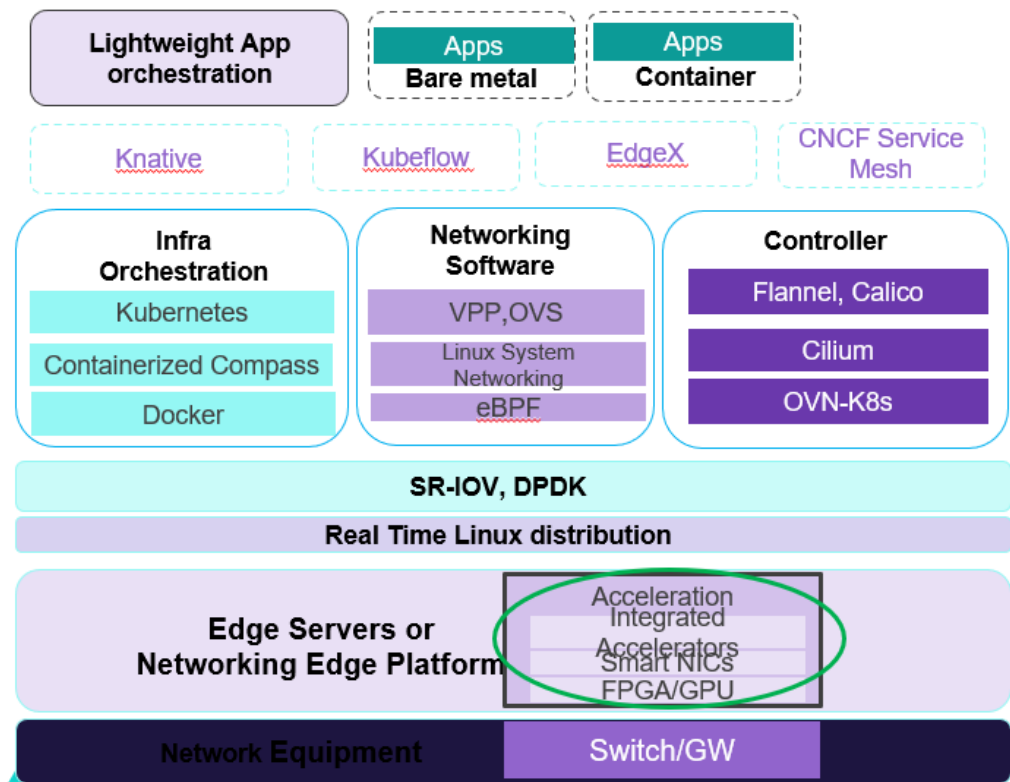# IEC Type 1 & 2 Landing Application

Integrated Edge Cloud(IEC) is a platform that enables new functionalities and business models on the network edge and the project is completely focused on Edge Computing. The IEC supported hardware are edge servers mainly based on arm64. The IEC project will address multiple edge use cases and industry, not just Telco Industry. IEC intends to develop solutions and support for the carrier, provider, and IoT networks.
IEC type1 works on aarch64 low power consumption devices; IEC type2 works both on x86_64 and aarch64 architectures.
The IEC reference stack architecture is given with the following figure:

The infrastructure orchestration of IEC is based on Kubernetes, which is a production-grade container orchestration with a rich running eco-system. The current container network interface(CNI) solution chosen for Kubernetes is project Calico, which is a high performance, scalable, policy enabled and widely used container networking solution with a rather easy installation and arm64 support. IEC also supports other container network solutions, such as Cilium, Flannel, Contiv/VPP, for customers to choose flexibly.

The edge applications run as containers with container orchestration engine and high-performance networking support; The IEC platform provides a management interface and programming interface to deploy/manage edge applications quickly and conveniently

If interested try to deploy IEC, please refer to the IEC repo and IEC release documentation.

https://gerrit.akraino.org/r/admin/repos/iec

WIP

Trevor Tao Jianlin Lv