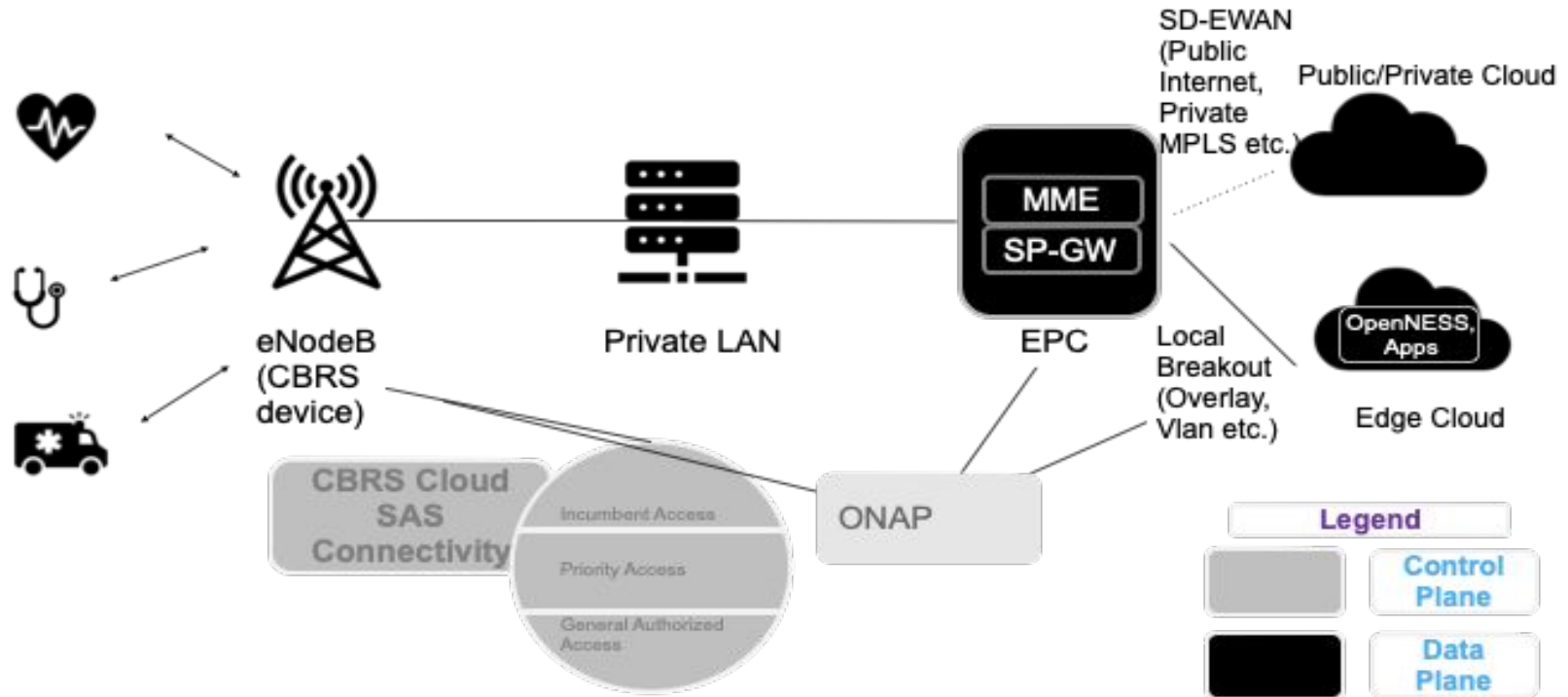
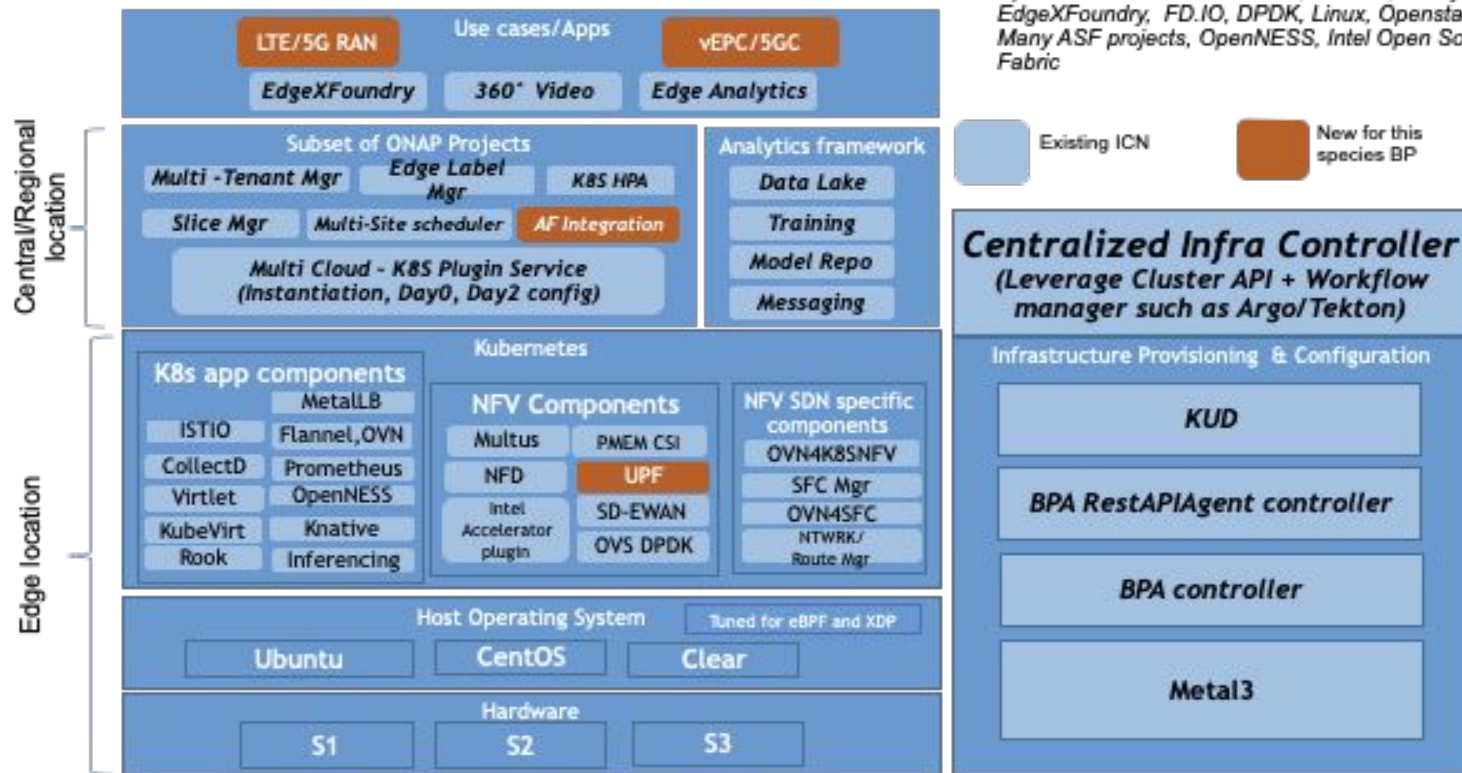


Akraino Private LTE/5G - Overview



Private LTE/5G ICN Stack



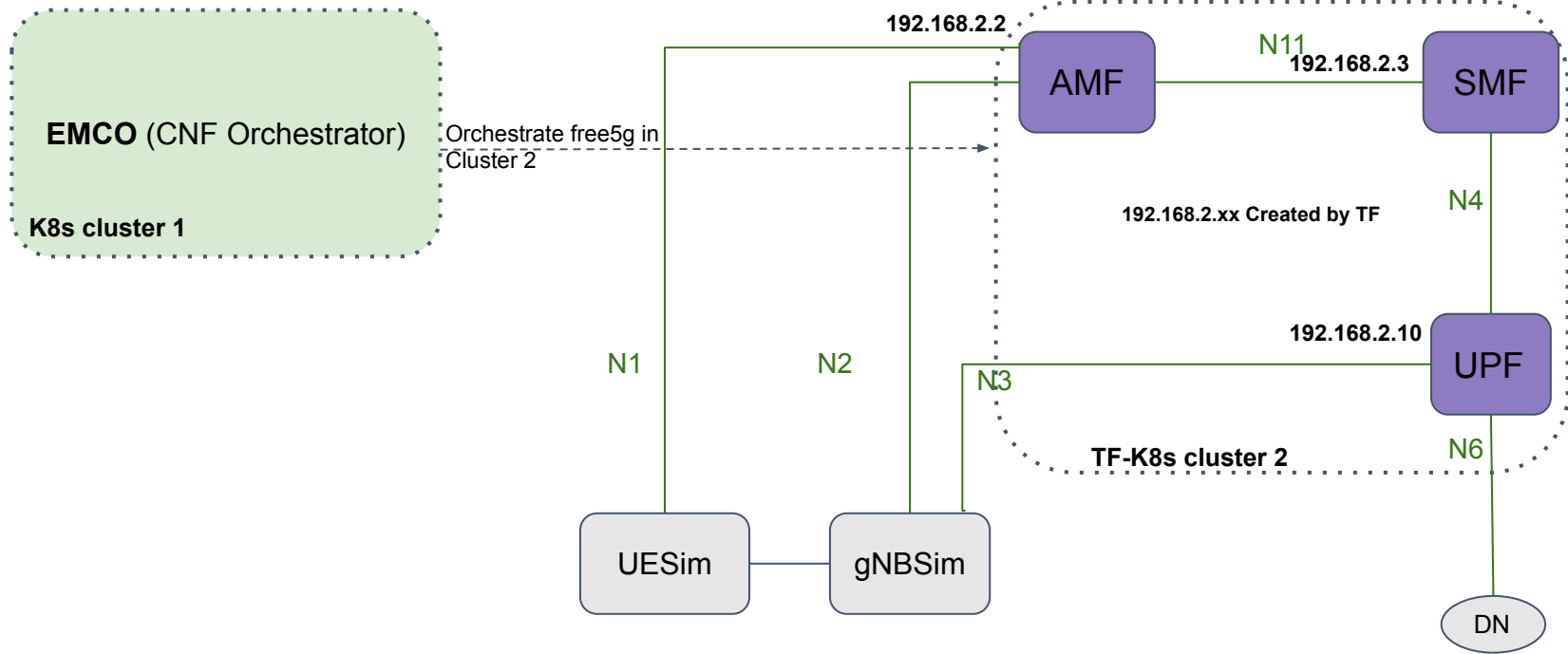
Upstream communities: ONAP, OPNFV, Many CNCF projects, EdgeXFoundry, FD.IO, DPDK, Linux, Openstack Ironic, OVS, Many ASF projects, OpenNESS, Intel Open Source, Tungsten Fabric

Akraino Private LTE/5G

Scope for R4 release

- Integrate components needed for Private LTE/5G with Akraino ICN family
 - i. 5GC (Scope of the project is to harden and enhance UPF, SMF and AMF that is primarily needed for Private LTE/5G)
 - 1. Development
 - a. **Helm chart creation of UPF, SMF and AMF - Completed**
 - b. Integration of EMCO Orchestrator for CNF orchestration - In progress (Dev complete)
 - c. **Underlay network for hosting NF needed for UPF, SMF and AMF - Completed**
 - d. **Helm chart for other 5GC NF - Completed**
 - e. Support for **other** dataplanes
 - i. Integration with Tungsten Fabric - Completed
 - 2. Testing
 - a. Lab setup for testing - Currently leveraging UNH-IOL lab
 - b. Simulators for testing - UESim/gNBSIM
 - i. Verified with the simulators

Private LTE/5G Architecture



Deployment Information

