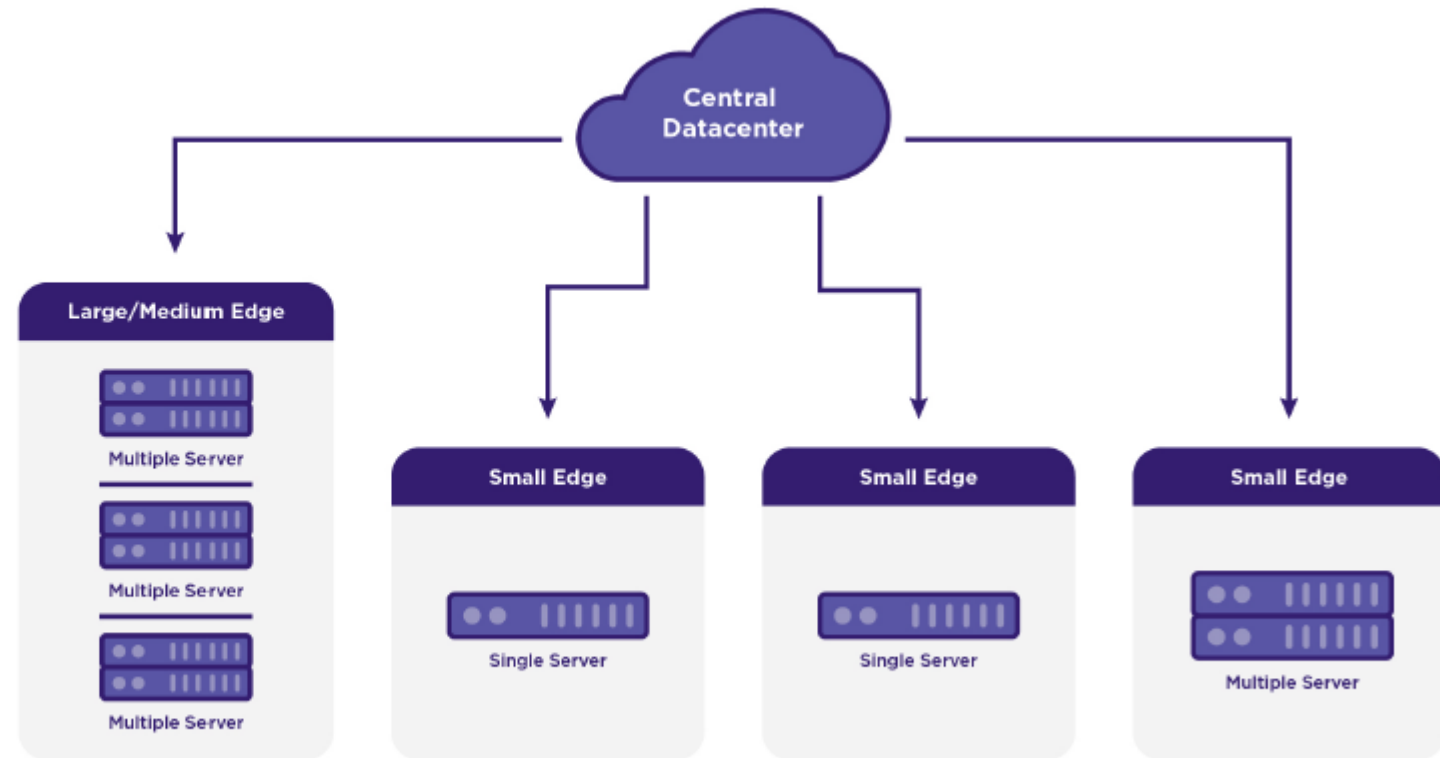


Far Edge Distributed Blueprint



Distributed Far Edge Server

- Geographically distributed multi-region deployment,
- Central Datacenter providing Orchestration and Synchronization Services,
- Geographically distributed Edge Sites of various sizes

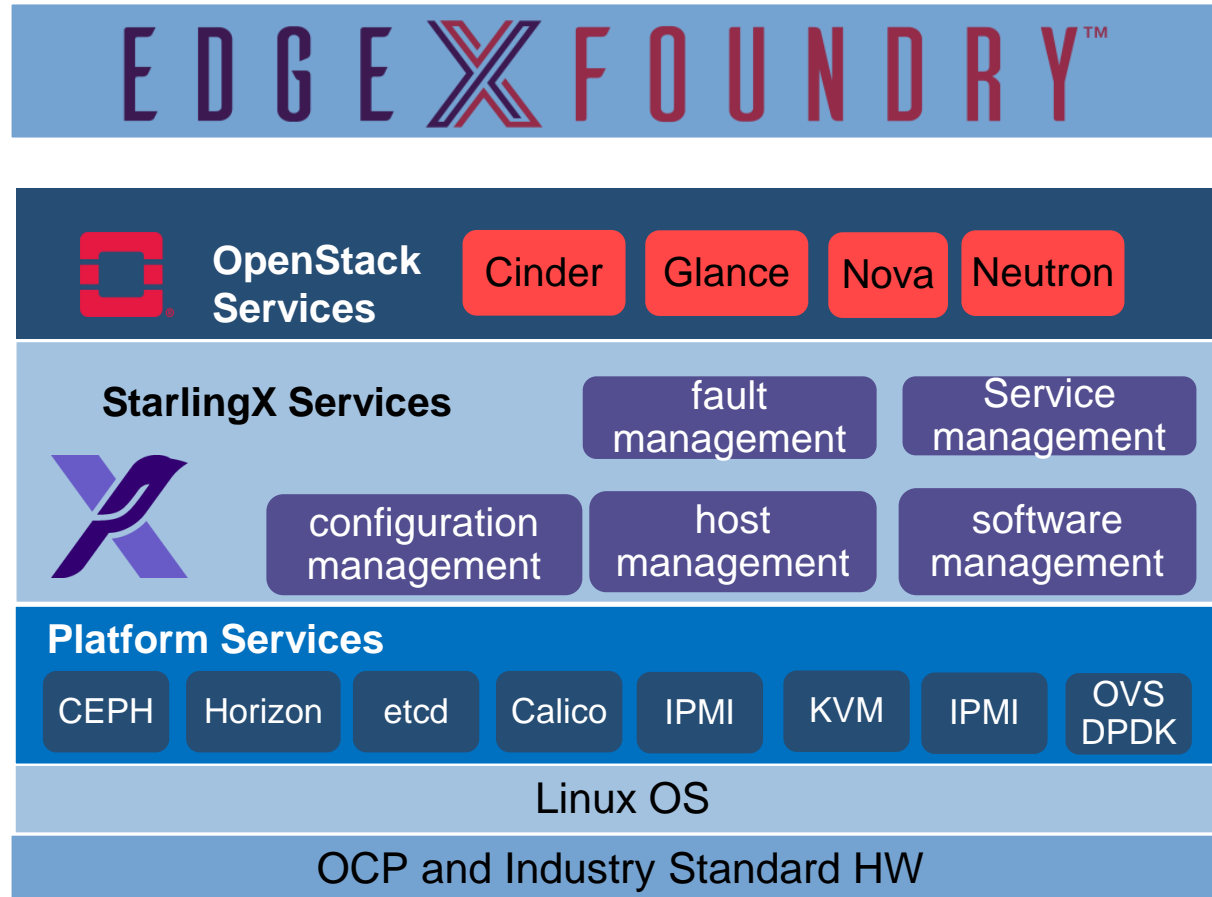


Distributed Far Edge Blueprint Value Proposition

- › Addresses edge and far edge use cases
- › Lowers OPEX by providing a single pane of glass to manage multiple (100s-1000s) of remote nodes
- › Drive down Day 2 operations costs
- › Central point for deploying and managing workl
- › Redundant, hyper converged clouds
- › Autonomous nodes, L3 network connection for control plane



Distributed Far Edge Blueprint Akraino R1

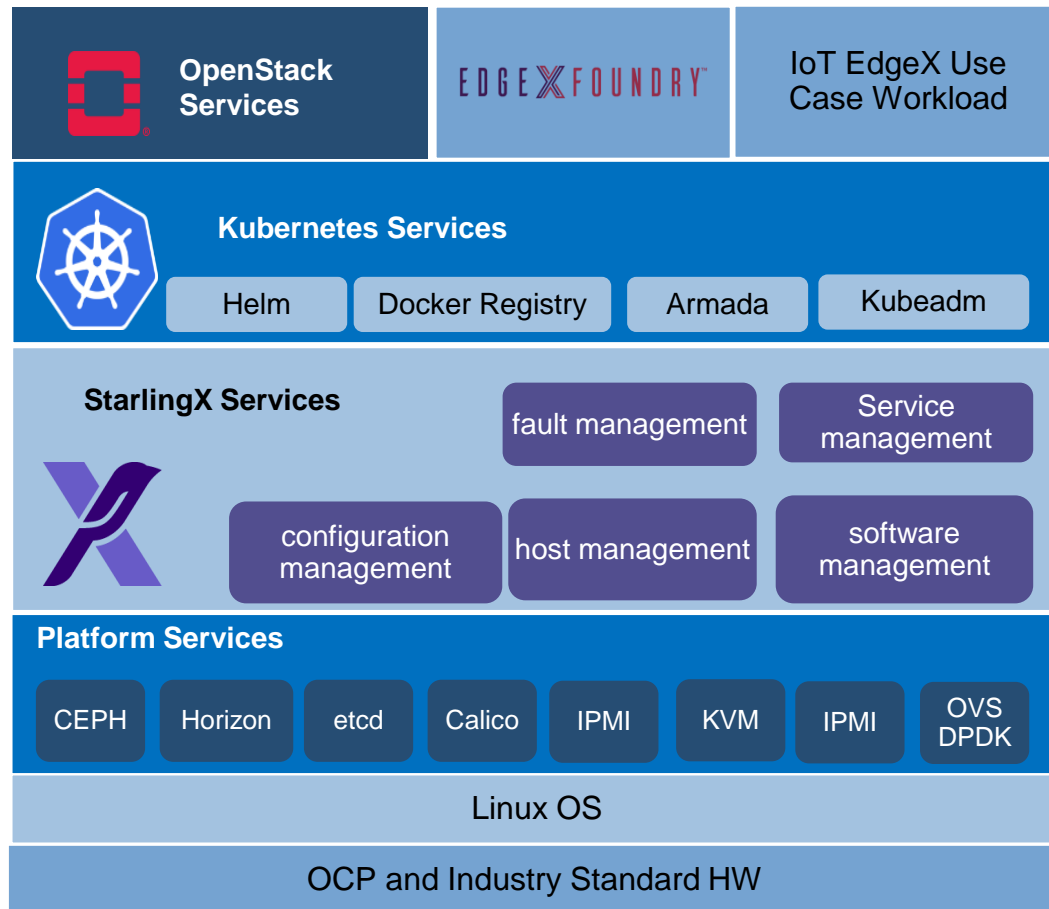


➤ Added EdgeX Foundry as VM workloads to be distributed at far edge

➤ Preintegrated in StarlingX

➤ Little dependency on Akraino CI/CD

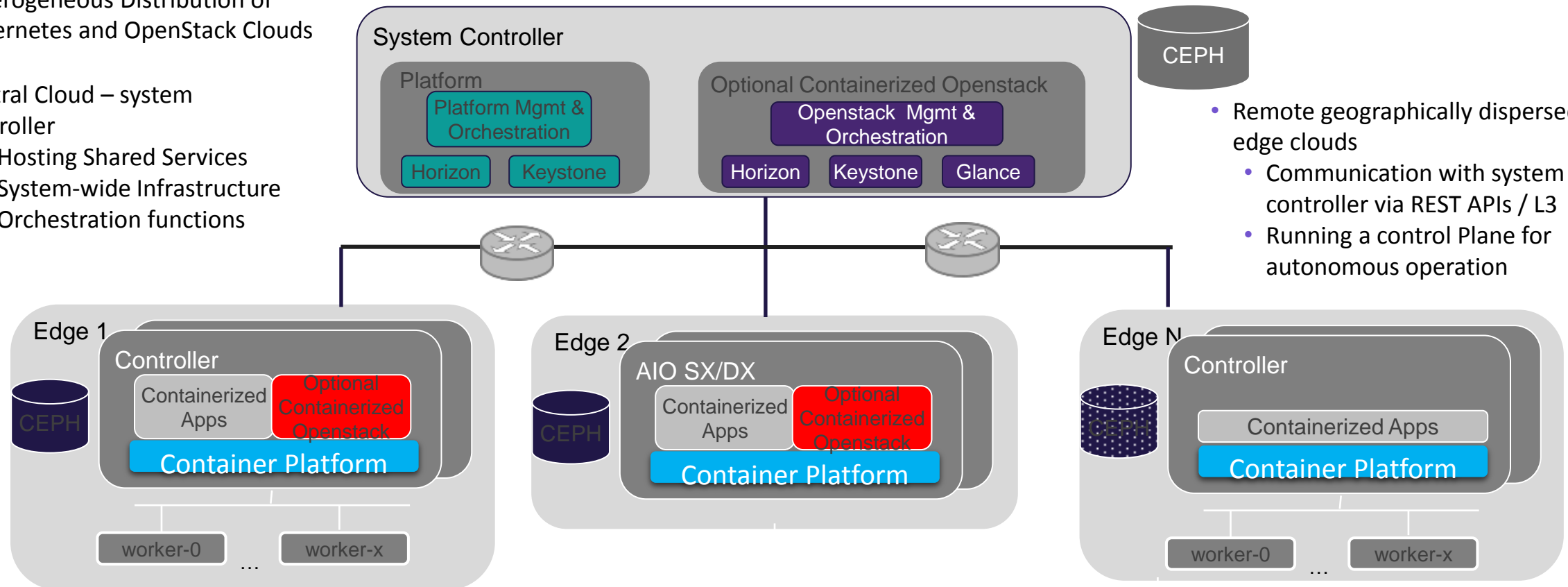
Distributed Far Edge Akraino R2 Blueprint



- Added EdgeX Use Case workload
- Deployed as containers
- Still many projects are preintegrated in StarlingX
- Adds Kubernetes scheduling and workload provisioning
- OpenStack as a containers
- Better integration with Akraino CI/CD

Distributed Far Edge StarlingX R2 / Akraino R2

- Heterogeneous Distribution of Kubernetes and OpenStack Clouds
- Central Cloud – system controller
 - Hosting Shared Services
 - System-wide Infrastructure Orchestration functions



- Remote geographically dispersed edge clouds
 - Communication with system controller via REST APIs / L3
 - Running a control Plane for autonomous operation