Open Horizon

Joe Pearson
Chair, Open Horizon TSC & Documentation WG
TAC Member, LF Edge
Technology Strategist, IBM (Networking & Edge Computing CTO group)

Today's Agenda

1. Welcome Open Horizon's 3rd Mentorship Cohort and Introductions
2. Schedule and Housekeeping
   A. Schedule, Evaluations, Mentors
   B. Communication and tools
   C. Meetings
   D. Mentorship projects and goals
3. LF Edge and Open Horizon
4. Project code and non-project code
5. Q & A

THE **LINUX** FOUNDATION

LF EDGE

Introductions

Open Horizon's Third Mentorship Cohort

LFX Mentorship

Mentors

➢ Jon McGuire (mcgj)

Mentees

➢ Anushree Sabnis

➢ Unnati Chhabra

IBM JumpStart

Mentors

➢ Joe Pearson (joe)

➢ ???

Mentees

➢ Ben Zimmerman

➢ Eli Latocki

➢ Marhababanu Chariwala

➢ Vineeth Vijayan

RPI – RCOS

Mentors

➢ Glen Darling (mosquito)

➢ Joe Pearson (joe)

Mentees

➢ TBD

Spring 2021 Term Graduates

Debabrata Mandal (Deb)
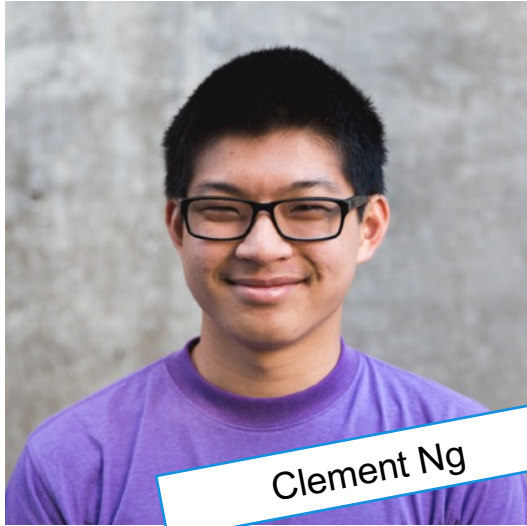
Megha Varshney

Mustafa Altekreeti

Quang Hiệp Mai (Mike)

THE **LINUX** FOUNDATION

Fall 2020 Term Graduates

Clement Ng

Edidiong Etuk (Eddie)

Anukriti Jain
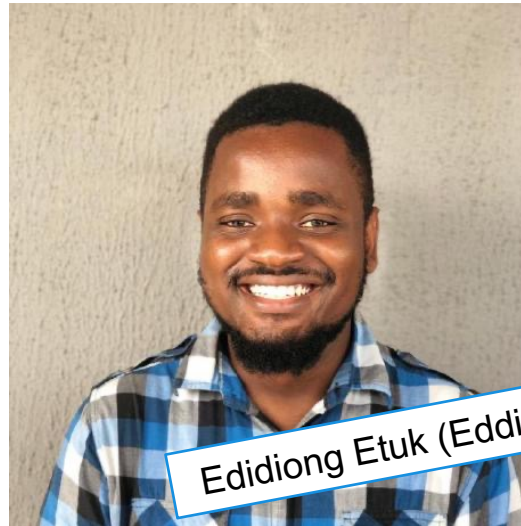
Han Gao

Housekeeping

THE **LINUX** FOUNDATION

LFX Mentorship Schedule and Milestones

› September 1 – Fall 2021 Term begins

› Week 3, September 22

  › Mentors conduct first evaluation

› Week 9, November 3

  › Mentors conduct second and final evaluation

› Week 12, November 30

  › Mentorship officially concludes

› Week 13, December

  › Project issues digital certificate of completion

  › Project marks mentees as graduated

THE LINUX FOUNDATION

Communications and Tools

› LF Edge provides:

    › Matrix chat server (use Element chat client or similar)

    › Groups.io mailing list and calendar

    › Paid Zoom videoconferencing for calls, meetings, and webinars

    › Confluence Wiki for the project

    › Edge Computing Lab for scheduled testing on physical devices

    › CD/CD and DevOps tools and infrastructure and accounts

    › Marketing and social media support and accounts

› All else is up to us
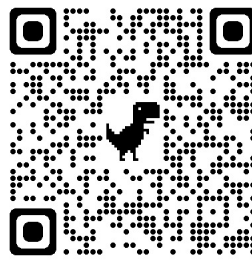
Meetings and Goals

› You'll meet personally with your mentor at the agreed-to cadence

  › Each is different

› You'll want to attend your Working Group (or SIG) meetings and participate there and in the relevant chat rooms

  › You may also need to attend other relevant WG meetings if applicable

› Your mentor will communicate your goals for this term

  › You may publish them on the wiki

  › The goals are aspirational and might not be completed within the term

THE **LINUX** FOUNDATION

LF EDGE

LF Edge and Open Horizon

Introduction to Open Horizon (stage two LF Edge project)

Open Horizon is an application and metadata delivery and management platform.

It provides

    an intent-based policy mechanism to

    securely and autonomously deliver containerized workloads to

    edge compute nodes of varying sizes and capabilities and

    in various connected states.

It allows workload and ML model management across fleets at hyperscale,

    from a single Linux device or Kubernetes cluster

    to deployments of 30,000 nodes or greater,

    without requiring on-premises administration.

Open Horizon helps Enterprises reduce costs by providing remote and autonomous application lifecycle management.

Open Horizon

Open Horizon consists of:

- **Management Hub**: where administrative operations are centralized
- **Edge Device Agent**: combined with container runtime
- **Edge Cluster Agent**: combined with OCP Kube platform
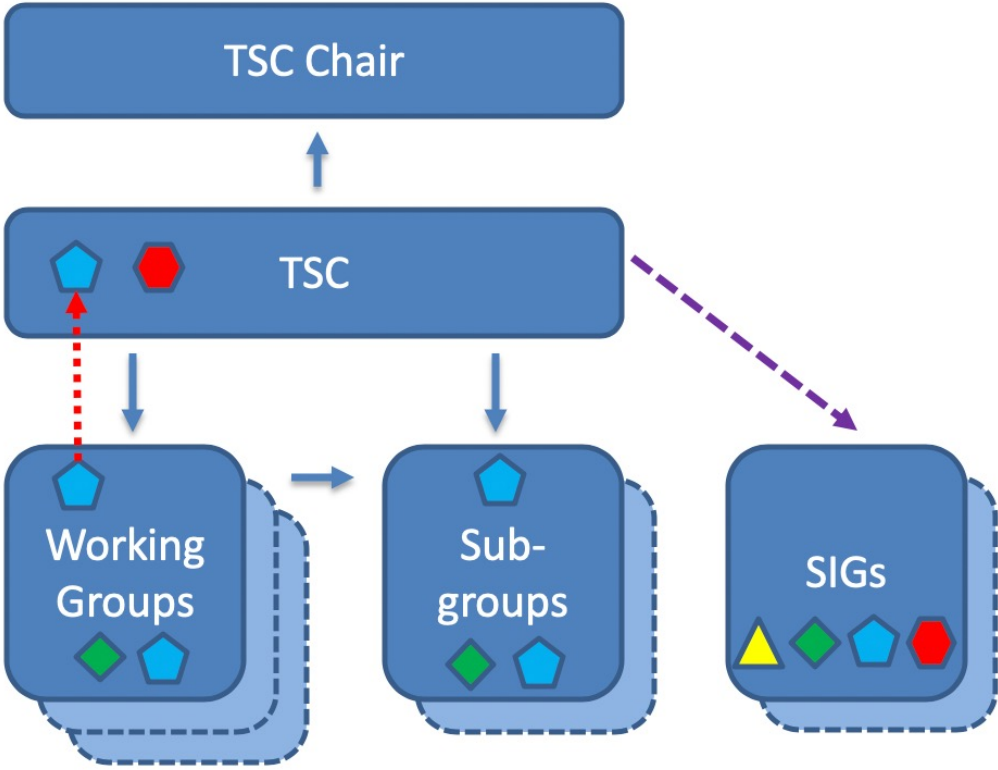
For <u>managing the Edge</u>
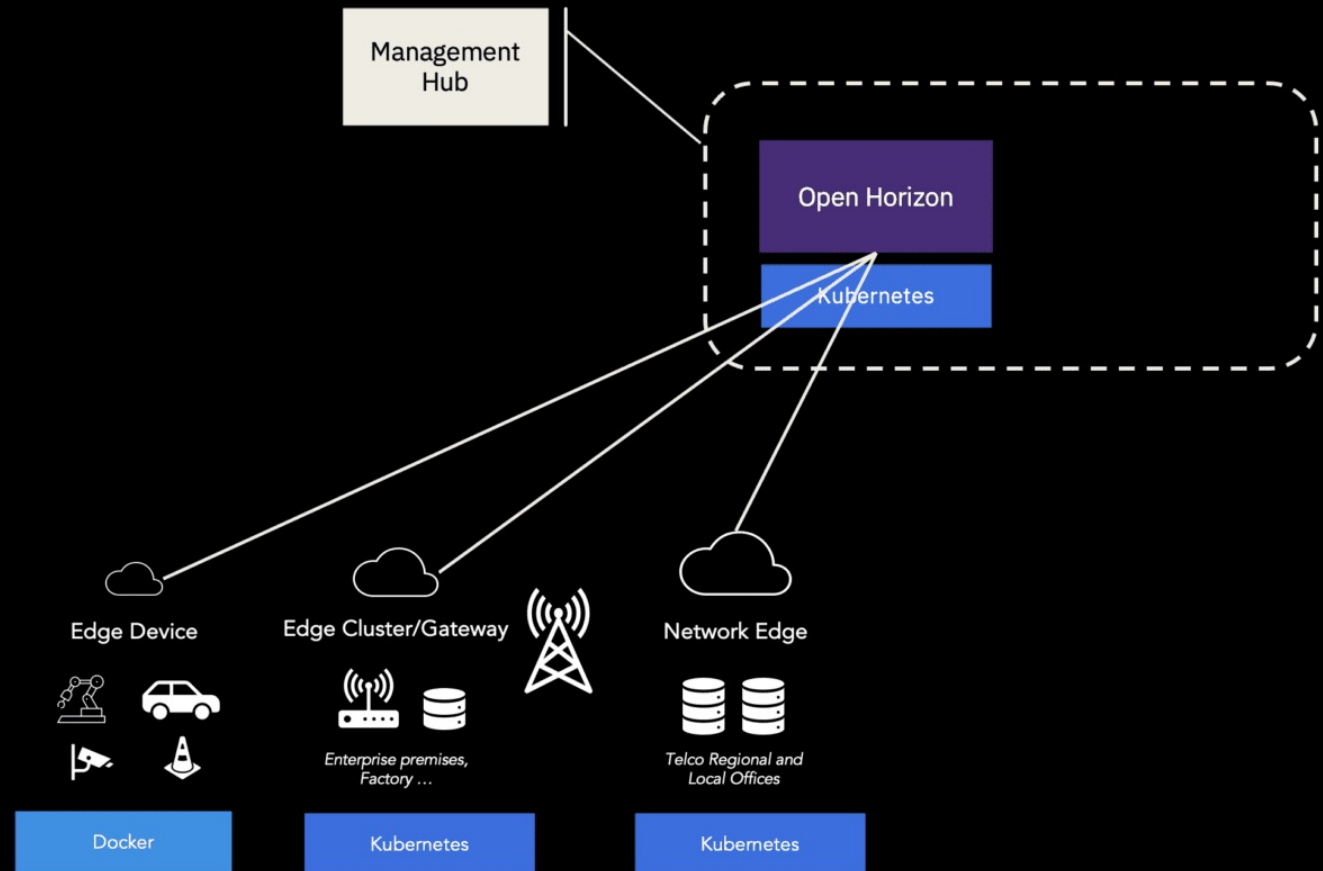
The Main Open Horizon Components
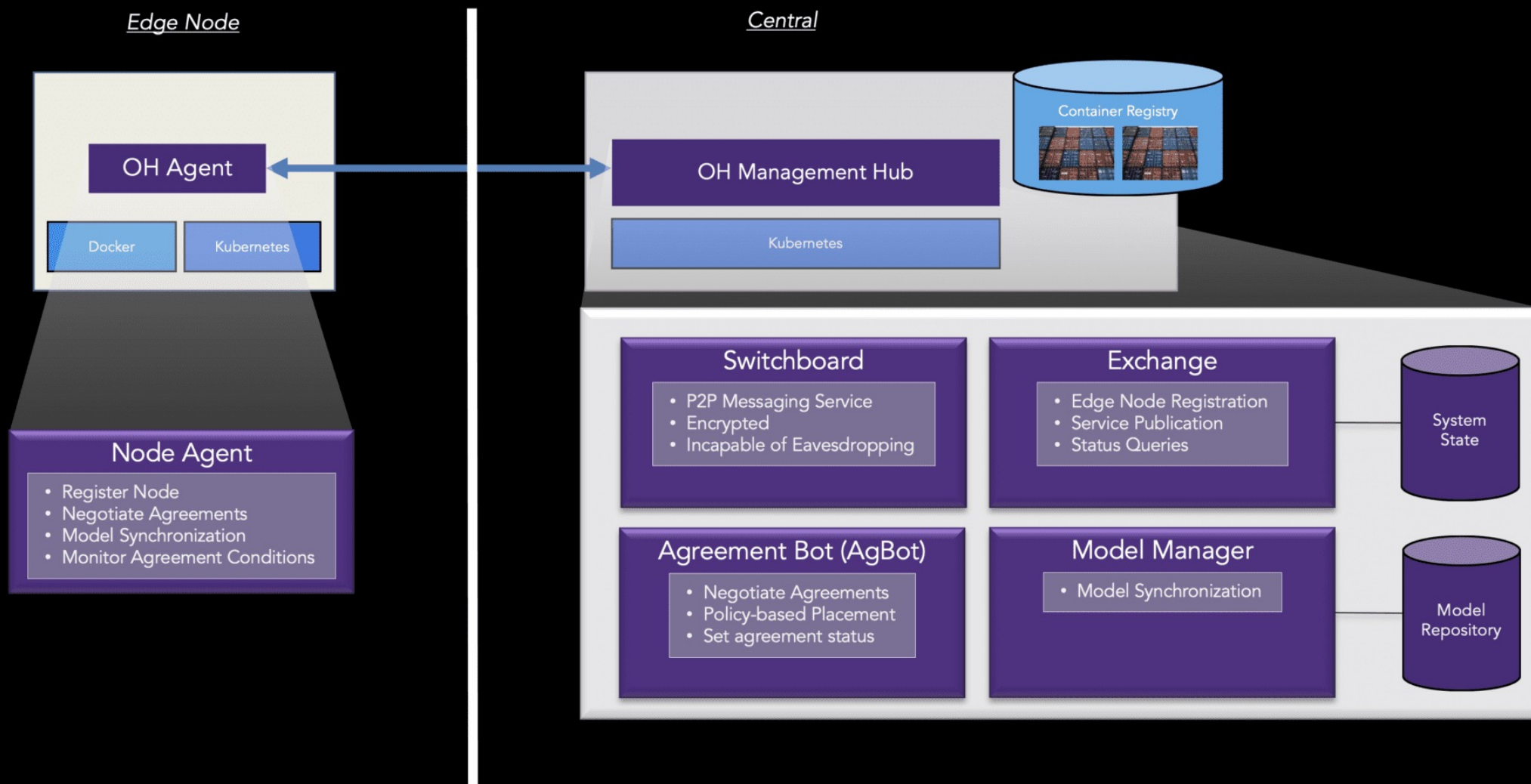
Project Organization Structure

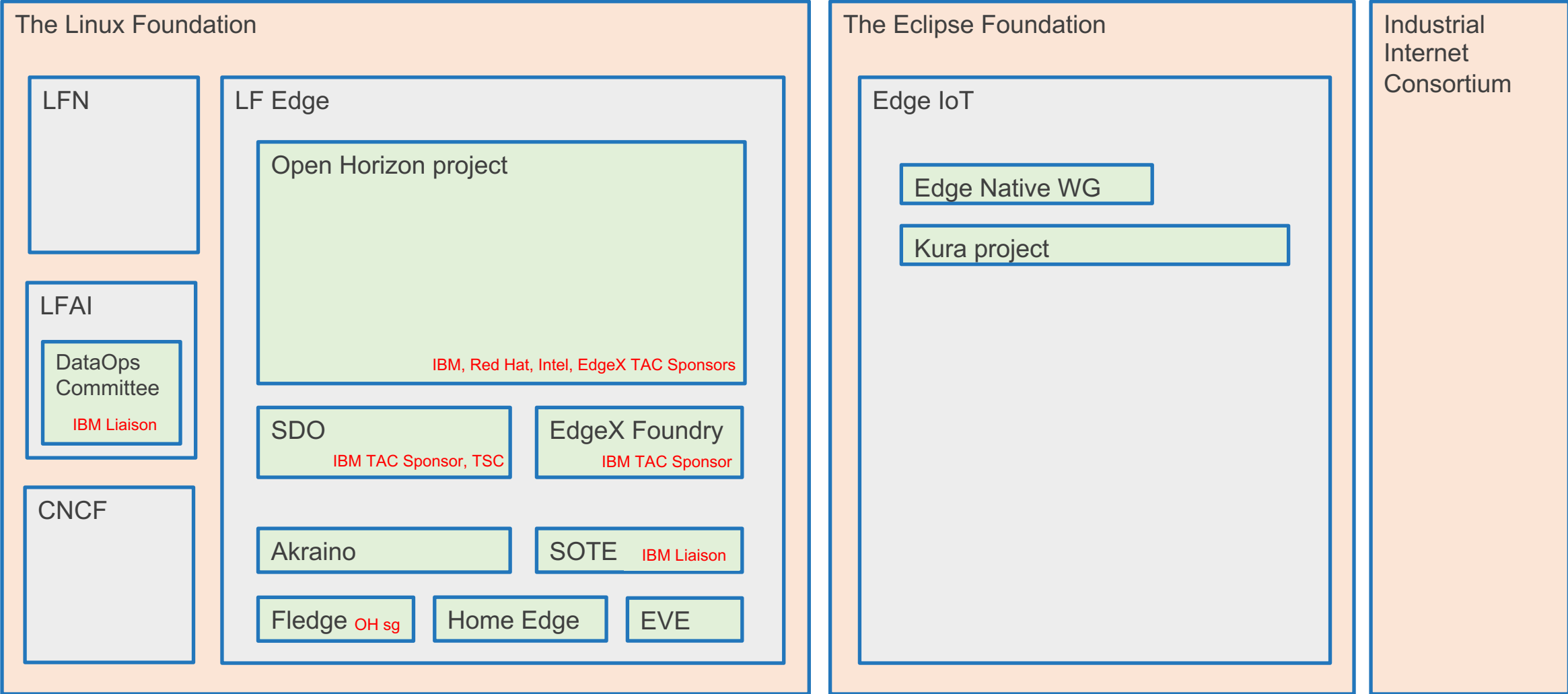# Project Efforts and Relationships
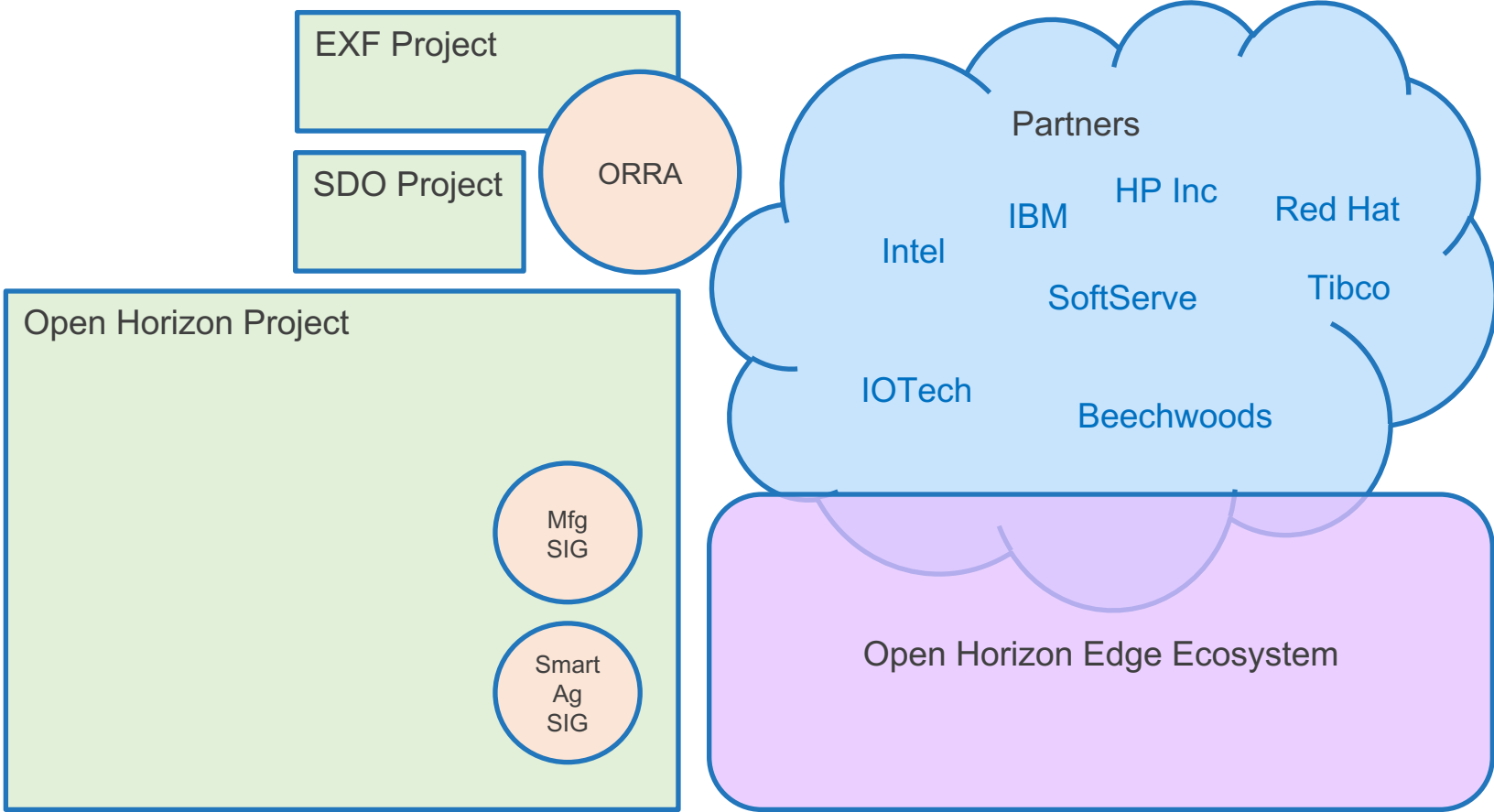
Umbrella Organizations & Open Horizon Edge Interests

The Linux Foundation

LFN

LFAI

DataOps Committee

IBM Liaison

CNCF

LF Edge

Open Horizon project

IBM, Red Hat, Intel, EdgeX TAC Sponsors

SDO

IBM TAC Sponsor, TSC

EdgeX Foundry

IBM TAC Sponsor

Akraino

SOTE   IBM Liaison

Fledge   OH sg

Home Edge

EVE

The Eclipse Foundation

Edge IoT

Edge Native WG

Kura project

Industrial Internet Consortium

Official Project Code

THE **LINUX** FOUNDATION

Official Project Repos

Official Project Code:

› github.com/open-horizon

› github.com/open-horizon-services

Unofficial

› Personal github repos

› Forked repos