

Welcome to the Akraino Wiki

? Unknown Attachment

Integration Projects (aka "Blueprints")

- [5G MEC System Blueprint Family](#)
- [AI/ML and AR/VR applications at Edge](#)
- [Automotive Area](#)
- [CFN \(Computing Force Network\) Ubiquitous Computing Force Scheduling](#)
- [CPS Robot Blueprint family](#)
- [Edge Service Enabling Platform](#)
- [Edge Video Processing](#)
- [Integrated Cloud Native NFV/App stack family \(Short term: ICN\)](#)
- [Integrated Edge Cloud \(IEC\) Blueprint Family](#)
- [IoT Area](#)
- [KubeEdge Edge Service Blueprint](#)
- [Kubernetes-Native Infrastructure \(KNI\) Blueprint Family](#)
- [Metaverse Area](#)
- [MicroMEC](#)
- [Network Cloud Blueprint Family](#)
- [OpenMined PipelineDP](#)
- [Public Cloud Edge Interface \(PCEI\) Blueprint Family](#)
- [Smart Data Transaction for CPS](#)
- [StarlingX Far Edge Distributed Cloud](#)
- [Tami COVID-19 Blueprint Family](#)
- [Telco Appliance Blueprint Family](#)
- [Time-Critical Edge Compute](#)

Feature Projects

- [Cluster Health & Overload Monitoring Platform \(CHOMP\) Feature Project](#)
- [Support of OVS-DPDK in Airship](#)
- [Akraino Portal Feature Project](#)
- [Akraino Blueprint Validation Framework](#)
- [MEC API Framework](#)
- [API Gateway](#)
- [Akraino Profiling](#)
- [Akraino Regional Controller](#)
- [Backup and Restore \(Snappy\) Feature Project](#)
- [KONTOUR](#)

Akraino is an open source software stack that improves the state of edge cloud infrastructure for carrier, provider, and IoT networks.

Akraino offers new levels of flexibility to scale edge cloud services quickly, to maximize the applications or subscribers supported on each server, and to help ensure the reliability of systems that must be up at all times.

Akraino also provides processing power closer to endpoint customer devices to meet application latency requirements of less than ~20 milliseconds.

This open source software stack intends to provide critical infrastructure to:

- Enable line speed processing
- Enable high throughput
- Reduce latency
- Improve availability
- Lower operational overhead
- Provide scalability
- Address security needs
- Improve fault management

The Akraino community is focused on Edge APIs, Middleware, Software Development Kits (SDKs) and will allow for cross-platform interoperability with 3rd party clouds. The Edge Stack will also enable the development of Edge applications and create an application w/ Virtual Network Function (VNF) ecosystem.

The **Akraino Wiki** is a collaboration tool for the Akraino community to work together and publish documents.

Need LF IT help?

If you need help with anything IT-related for your LF Edge project, please use our Service Desk platform to open a support request:
support.linuxfoundation.org

Help Us Improve the Wiki

This Wiki is owned by the Akraino Community. Contributions are always welcomed to help make it better!

In upper right, select Log In. You will need a Linux Foundation Account (can be created at <http://myprofile.linuxfoundation.org/>) to log-in. For a Wiki tutorial, please see [Confluence Overview](#). Thank you!

Recent space activity



Fukano Haruhisa
TSC 2024-6-6 (Thursday) 7:00 am Pacific created May 31, 2024
TSC 2024-5-30 (Thursday) 7:00 am Pacific updated May 30, 2024 [view change](#)

Links

- [Akraino Website](#)
- [General overview of Akraino](#)
- [Community Meetings & Calendar](#)
- [Join LF Edge](#)
- [Network Cloud Family Seed Code](#) (Network Cloud Blueprint)



Yin Ding
TSC 2024-5-30 (Thursday) 7:00 am Pacific updated May 30, 2024 [view change](#)



LOKENDRA SINGH RATHOUR
Private LTE/5G ICN Blueprint commented May 28, 2024



Jeff Brower
2024 Akraino Spring Summit updated May 28, 2024 [view change](#)