

Welcome to the Akraino Wiki

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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 AI Virtual Agents](#)
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- [Integrated Cloud Native NFV/App stack family \(Short term: ICN\)](#)
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- [Sustainability and natural environment protection blueprint](#)
- [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](#)
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- [Akraino Regional Controller](#)
- [Backup and Restore \(Snappy\) Feature Project](#)
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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](#)
[2023 Blueprint Restructure](#) updated about an hour ago [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 2024-4-18 (Thursday) 7:00 am Pacific updated about an hour ago [view change](#)



Fukano Haruhisa

TSC 2024-4-18 (Thursday) 7:00 am Pacific created about 2 hours ago



Jeff Brower

2023 Blueprint Restructure updated Apr 16, 2024 [view change](#)

2024 Akraio Spring Summit updated Apr 14, 2024 [view change](#)