The New Open ”Edge”
IOT+Telecom+Cloud+Enterprise+Industrial

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Vertical Market Adoption of End to End Open Source Software

OPEN NETWORKING, EDGE AND IOT MARKET ADOPTION

- Industrial Manufacturing
- Energy (Oil, Gas Utilities)
- Commerce & Retail
- Home
- Automotive
- Fleet & Transportation
- Logistics
- Building Automation
- Cities & Government
- Healthcare

ENTERPRISE NETWORKING
1. Private Networks 5G/LTE
2. Workloads across Multi-clouds
3. End to end visibility and monitoring

SERVICE PROVIDERS
1. Built on end to end open source 5G & edge
2. Developing countries with 5G and edge
3. Global connectivity

END USERS GOVERNMENT
1. Built on Open Source projects
2. 5G Super Blueprints
3. Unified Cloud, Enterprise, Telco

BUILT ON END TO END OPEN SOURCE PROJECTS

- O-RAN Alliance
- ETSI
- HOME EDGE
- Akraino
- Edgex Foundry
- Fledge
- Anuket
- ONAP
- OpenDaylight
- Kubernetes
- DPDK
- Tungsten Fabric
- Magma
**LF Edge Summary**

**Vision:** Our software & projects enable rapid productization of Edge platforms by leveraging end user input to drive and supply the necessary building blocks (and/or frameworks, reference solutions) to facilitate integration and interoperability for Edge Computing across Telecom Service Providers, Cloud Providers, IOT & Enterprises.

**Projects**

- **IMPACT - STAGE 3**
- **GROWTH - STAGE 2**
- **AT LARGE - STAGE 1**

**Premier Members**

- altran
- AMD
- american tower
- ARM
- AVEVA
- AT&T
- Baidu
- Charter Communications
- DELL Technologies
- DIANOMIC
- EQUINIX
- ERICSSON
- FUJITSU
- FUTUREWEI Technologies
- HP
- HUAWEI
- IBM
- Intel
- NTT
- Radisys
- redhat
- SAMSUNG
- Tencent
- VMware
- Western Digital
- ZEDEDA

- THE LINUX FOUNDATION
- LF EDGE
LF Edge Accelerating Community Collaboration
Participation from Service Providers (Telco, Cloud, Cable), IOT, Enterprise ecosystem

- 25+% New Members
- Y/Y increase
- 80% New Projects increase
- SOTE, Open Horizon, SDO…

- 25+ Global Deployments & Commercial Products
- 8M+/30+ EdgeX Downloads and Akraino Blueprints in development

26k global mentions since launch
2021 State of the Edge Report

- Aspects of Edge Studied
  - Community Standardization of Edge Terminology
  - Market Size / Growth: A use case driven market forecast of the growth and value of edge infrastructure through 2028.
  - Critical Infrastructure: Edge data centers, wireless towers & cable head ends, traditional interconnection, and service providers.
  - Edge Hardware: Key trends, processor platforms, open hardware, virtual networking and storage.
  - Networks & Networking: The networking ecosystem, SD-WAN, edge exchanges, and the wireless edge.
  - Software at the Edge: The “new edge” stack, code at the edge, orchestration, serverless, hyperconverged, and marketplaces.

Download Today

THE LINUX FOUNDATION
You are viewing 163 cards with a total of 105,149 entries, market cap of $9.97 and funding of $5.26B.

landscape.lfedge.org
Premier Members

[Logos of various companies]
General Members

Beechwoods
ubuntuc
EMQ
federated wireless
FogHorn
HCL
Hivecell
IOTech

江行智能
Jiangxing Intelligence
kaloom
MARTELL
mimik
Mobileedge
Nokia
Open Nebula

ori
PLATFORM9
Qualcomm
Qualcomm Technologies, Inc.
Robin
Section
TEAL
ThunderSoft
TOYOTA

Vapor
veea
VoerEir

Associate Members and Liaisons

AECC
北京邮電大学
digital twin
ECLIPSE FOUNDATION
ETRI
Industrial Internet Consortium
Infrastructure Masons
IOL
University of New Hampshire InterOperability Laboratory

IOTA
ITRI
Open Infrastructure Foundation
OPEN-IX
LIONS Center
Project Haystack
Ritsumeikan
SHOPEN

THE LINUX FOUNDATION

OFL EDGE
Edge is part of the end to end ecosystem through LF Networking 5G Super Blueprints
LF Edge projects are an Integral part of 5G Super Blueprints

JOIN THIS COMMUNITY/CROSS COMPANY EFFORT NOW!

- Mailing List
- Bi-Weekly Meeting Calendar
- Slack Channel
- Meeting Agenda/Minutes

Cloud Native 5G Demo
Private LTE/5G ICN Akraiio
ONAP 5G Use Case

End to End Super 5G Blueprint

THIS NEW BLUEPRINT is the community vehicle to collaborate and create end to end 5G solutions
5G Super Blueprint

LF Open Source Component Projects for 5G

Learn more: https://www.lfnetworking.org/5g-super-blueprint/

Read the FAQ: https://wiki.lfnetworking.org/display/LN/5G+Super+Blueprint+FAQ
LF Edge: Key Takeaways

1. Harmonizing Open Source Edge Communities across IOT, Enterprise, Cloud & Telecom

2. Keeping LF Edge Open & Interoperable with
   › Hardware, Silicon, Cloud, OS, Protocol independence
   › Bringing the best of telecom, cloud and enterprise – location, latency & mobility
   › In collaboration with Consortiums/SDO (IIC, AECC, OEC, ETSI)

3. Hosted by the Linux Foundation similar to other Open Source Communities like CNCF (Kubernetes), LF Networking (ONAP) and many more.
Get Involved in the LF Edge Technical Communities

- Participation in LF Edge Projects is open to all
- Getting involved in the technical communities is the best way to learn
  - **Step 1:** Get a Linux Foundation ID Here: [https://identity.linuxfoundation.org/](https://identity.linuxfoundation.org/)
  - **Step 2:** Visit LF Edge Wiki ([https://wiki.lfedge.org/](https://wiki.lfedge.org/))
  - **Step 3:** Join workflows for the projects and working groups, subscribe to mailing lists, ask questions, contribute!

Way to participate:

- Attend project meetings
- Attend developer events
- Join approved projects
- Propose a project
- Write documentation
- Contribute use cases
- Analyze requirements
- Define tests / processes
- Review and submit code patches
- Build upstream relationships
- Contribute upstream code
- Provide feedback through VSFG
- Host and staff a community lab
- Answer questions
- Give a talk / training
- Create a demo
- Evangelize LFE and its projects