

Nexoedge TSC Meeting (Jul 5, 2024)

nexoedge

 THE **LINUX** FOUNDATION

 **LF** EDGE

Agenda

- › Project verticals alignment
- › Project updates
- › AOB

Project Vertical Alignment

- › Introduced in LF Edge TAC meeting on Jun 26
 - Self-reported by LF Edge project teams
 - Strongly recommend marking the status of alignment (e.g., PoC, production) and any relevant adopted standards and/or connected organizations for the alignment
- › Current alignment for Nexoedge: Consumer, Telcom operators, Security/Surveillance
 - No amendment from the project founding team
 - Suggestions on amendments from the community are welcomed

Project Verticals Alignment

> LF Edge Wiki:

<https://wiki.lfedge.org/display/LE/Project+%3C%3E+Verticals+Alignment>

Verticals	Akraino	Alvarium	Baetyl	EdgeX Foundry	EdgeLake	eKulper	EVE	Fledge	FDO	InfiniEdge AI	InstantX	NanoMQ	NexoEdge	OpenBao	Open Horizon
Automotive/Connected Car Automotive Grade Linux (AGL)	✓	X	✓		✓	✓	✓ - Prod	X	✓	✓		✓	X	✓	✓
Chemicals	X	X	X		✓	✓	✓ - Prod	✓ - PoC	X	✓		✓	X	✓	✓
Facilities/Building automation	X	✓	✓		✓	✓	✓	✓	✓	✓		✓	X	✓	✓
Consumer	X	X	X		✓	✓	X	X	X	✓		✓	✓	✓	X
Manufacturing MARGO	✓	✓	✓		✓	✓	✓ - Prod MARGO	✓ - Prod MARGO	✓	✓		✓	X	✓	✓
Metal & Mining	X	X	✓		✓	✓	✓ - PoC	✓ - PoC	✓	X		✓	X	✓	✓
Oil & Gas OSDU	X	✓	✓		✓	✓	✓ - Prod	OSDU	✓	✓		✓	X	✓	✓
Pharma	X	✓	X		✓	✓	✓ - Prod	✓ - PoC	X	X		✓	X	✓	✓
Health Care	X	✓	X		✓	✓	✓	X	X	✓		✓	X	✓	X
Power & Utilities LF Energy	X	✓	✓		✓	✓	✓ - Prod	✓ - Prod LF Energy	✓	✓		✓	X	✓	✓
Pulp & Paper	X	X	X		✓	✓	X	✓ - PoC	X	X		X	X	✓	X
Telco Operators CAMARA	✓	X	✓		✓	✓	✓	X	✓	✓		✓	✓	✓	✓
Telco/CSP and Equip. Prov. 3GPP	✓	X	✓		✓	✓	✓	X	✓	✓		✓	X	✓	✓
Transportation (asset tracking)	X	✓	✓		✓	✓	✓ - Prod	X	✓	✓		✓	X	✓	✓
Supply Chain	X	✓	✓		✓	✓	✓	X	✓	✓		✓	X	✓	✓
Preventative Maintenance	✓	✓	✓		✓	✓	✓ - Prod	✓ - Prod	✓	✓		✓	X	✓	✓
Water Utilities	X	✓	X		✓	✓	✓	✓ - PoC	X	X		✓	X	✓	✓
Security/Surveillance	X	✓	✓		✓	✓	✓	X	✓	✓		✓	✓	✓	✓
Retail/Commerce (POS w/ customers) Open Retail Reference Architecture (ORRA)	X	X	X	ORRA	✓	✓	✓ - PoC	X	X	✓		✓	X	✓	ORRA

Project Updates

- › [Major release v1.1.0](#)
 - Encrypted proxy-agent communication (i.e., data in-transit encryption)
 - Container-based deployment (Tested with Docker container engine)
 - Pre-built Docker images are available as [Github packages](#)
 - Examples on Docker Compose and Kubernetes (K8s)
 - Example on provisioning K8s persistent volume using Kubernetes SMB CSI driver
- › Upcoming plan
 - Integration with other LF Edge projects, in particular Fledge and eKuiper
 - Fledge: North-bound plugin
 - eKuiper: File/image sink

Contact Us

Linux Foundation Edge Project Nexoedge

<https://wiki.lfedge.org/display/NEX/Nexoedge+Home>



Get the code



Find us on Slack (channel #nexoedge)

Community Group Mailing List

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TSC Mailing List

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