LF Edge is an umbrella organization that aims to establish an open, interoperable framework for edge computing independent of hardware, silicon, cloud, or operating system. By bringing together industry leaders, LF Edge will create a common framework for hardware and software standards and best practices critical to sustaining current and future generations of IoT and edge devices.

We are fostering collaboration and innovation across the multiple industries including industrial manufacturing, cities and government, energy, transportation, retail, home and building automation, automotive, logistics and health care — all of which stand to be transformed by edge computing.

Questions? Please visit the FAQ.

Projects

<table>
<thead>
<tr>
<th>Title</th>
<th>Project</th>
<th>Status</th>
<th>CII Badge</th>
<th>Technical Charter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Akraino</td>
<td>Akraino Edge Stack</td>
<td>STAGE 3: IMPACT</td>
<td></td>
<td></td>
<td>Aims to create an open source software stack that supports high-availability cloud services optimized for edge computing systems and applications. Mail Lists</td>
</tr>
<tr>
<td><strong>Baetyl</strong></td>
<td><strong>STAGE 1: AT LARGE</strong></td>
<td><strong>Baetyl (pronounced “Beetle”) offers a general-purpose platform for edge computing that manipulates different types of hardware facilities and device capabilities into a standardized container runtime environment and API, enabling efficient management of application, service, and data flow through a remote console both on cloud and on prem. Baetyl also equips the edge operating system with the appropriate toolchain support, reduces the difficulty of developing edge calculations with a set of built-in services and APIs, and provides a graphical IDE in the future.</strong></td>
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<tr>
<th><strong>EdgeX Foundry</strong></th>
<th><strong>STAGE 3: IMPACT</strong></th>
<th><strong>EdgeX, your data liberated! Highly flexible open source software framework that facilitates interoperability between heterogeneous devices and applications at the IoT Edge, along with a consistent foundation for security and manageability regardless of use case. The open, vendor-neutral platform speeds developer and technology providers time to market by providing modular reference services for device-data ingestion, normalization, analysis and sharing in support of new IoT data services and advanced edge computing applications.</strong></th>
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<tr>
<th><strong>Fledge</strong></th>
<th><strong>STAGE 1: AT LARGE</strong></th>
<th><strong>Fledge is an open source framework and community for the Industrial Edge. Architected for rapid integration of any IIoT device, sensor or machine all using a common set of application, management and security REST APIs with existing industrial &quot;brown field&quot; systems and clouds. Fledge edge services include: Collect Data from any/all sensors, aggregate/combine/organize data. edge based alerting/anomaly detection/machine learning (TensorflowLite, OpenVino), transform/filter data in flight, buffer data, analyze/visualize edge data, and deliver data to multiple local/cloud destinations.</strong></th>
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<tr>
<th><strong>Home Edge</strong></th>
<th><strong>STAGE 2: GROWTH</strong></th>
<th><strong>Interoperable, flexible, and scalable edge computing services platform with a set of APIs that can also run with libraries and runtimes.</strong></th>
</tr>
</thead>
</table>
STAGE 2: GROWTH

Open Glossary
Uses common dictionary-making techniques to maintain a database of canonical definitions for components and concepts important to edge computing. By advocating for industry-wide adoption of common terms, the project seeks to improve dialog and understanding. The project also maintains the Edge Computing Landscape.

Mail Lists

Project EVE
An open abstraction engine that simplifies the development, orchestration and security of cloud-native applications on distributed edge hardware. Supporting containers, VMs and unikernels, EVE provides a flexible foundation for Industrial and Enterprise IoT edge deployments with choice of hardware, applications and clouds.

Mail Lists

Mailing Lists
A full directory of LF Edge Mailing Lists can be found at https://lists.lfedge.org/g/main

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Brett Preston
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TAC Subgroup - archived updated Feb 17, 2020 • view change

Meetup and Event Resources updated Feb 14, 2020 • view change

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• Kandan Kathirvel (156 days ago)
• ...