

Open Horizon - EdgeX Project Group

This page is dedicated to discovering and documenting best practices for integrating EdgeX Foundry and Open Horizon.

Open Horizon Info

UPDATED: This sub-group was active while the Open Horizon project was incubating under EdgeX Foundry. As of May 2020, the Open Horizon project successfully transitioned to [a standalone LF Edge project](#). Collaboration with EdgeX Foundry continues in the [Real Time Sensor Fusion](#) demo, the [Kubernetes Support](#) sub-project, and the [Open Retail Reference Architecture](#) (ORRA).

Resources:

Below are some Open Horizon resources to help you learn more about this open source software.

Project Site: <https://www.lfedge.org/projects/openhorizon/>

Project Wiki: <https://wiki.lfedge.org/display/OH/Community+Membership>

Project Analytics: <https://insights.lfx.linuxfoundation.org/projects/lfedge%2Fopen-horizon/dashboard>

Documentation site: <https://open-horizon.github.io/>

A Chinese version of the documentation: <https://open-horizon-china-sig.github.io/documentation/>

LF Edge Slack: https://join.slack.com/t/lfedge/shared_invite/zt-7kaydtmq-SeyFzM2CEABBckYGEVCgkw

The Open Horizon Slack channels are all prefixed with "open-horizon"

Open Horizon YouTube playlist: <https://www.youtube.com/playlist?list=PLgohd895XSUddtseFy4HxCqTqqIYfW8lx>

LF Edge Mailing Lists: <https://lists.lfedge.org/groups>

IBM Developer portal for Open Horizon: <https://developer.ibm.com/components/open-horizon/>

GitHub: <https://github.com/open-horizon>

Open Horizon lives on the network edge, and typically on constrained devices. Open Horizon is designed to help place your software as close as possible to where the data is being created and right where actions need to be taken. A fully autonomous Open Horizon Agent runs on every edge device to orchestrate and manage the software lifecycles of your containers (e.g., download, verify, sandbox, run, restart, remove) on its device. Open Horizon is mostly decentralized, and designed for massive scale. Driven only by a software deployment pattern you have configured, or by policies (properties and constraints) that you have set, the Open Horizon Agent makes its own decisions about which software to run on its device. The Agent has a very small footprint, currently requiring less than 30MB of RAM at runtime, and we regularly test and support small Linux amd64, arm64v8, and arv32v6/v7 devices (with as little as 512MB RAM).

IBM also has a commercially-supported downstream distribution of Open Horizon named IBM Edge Application Manager. Therefore documentation created for that offering will most likely also apply to Open Horizon. These assets describe the same Open Horizon available in open source so these are valuable assets for our community as well. So some of those assets appear in the list below as well.

[IBM Edge Application Manager 4.2 documentation](#)

Meetings

Topic: Open Horizon Integration Subgroup

Time: Feb 3, 2020 02:00 PM Eastern Time (US and Canada)

Every week on Mon, until Apr 13, 2020, 11 occurrence(s)

Feb 3, 2020 02:00 PM: [Slides](#), [Recording](#)

Feb 10, 2020 02:00 PM: [Slides](#), [Recording](#)

Feb 17, 2020 02:00 PM: [Slides](#), [Recording](#)

Feb 24, 2020 02:00 PM: [Slides](#), [Recording](#)

Mar 2, 2020 02:00 PM: **Note - meeting was cancelled**, [Recording](#)

Mar 9, 2020 02:00 PM: [Slides](#), [Recording](#)

Mar 16, 2020 02:00 PM: [Slides](#), [Recording](#)

Mar 23, 2020 02:00 PM: [Slides](#), [Recording](#)

Mar 30, 2020 02:00 PM: [Slides](#), [Recording](#)

Apr 6, 2020 02:00 PM: [Slides](#), [Recording](#)

Apr 13, 2020 02:00 PM: [Slides](#), [Recording](#) (Access Password: l2+Tt?7f)

May 11, 2020 02:00 PM: [Slides](#), [Recording](#) (Password: 3A?f3wN9)

May 18, 2020 02:00 PM: cancelled, conflicts. Check [#open-horizon-poc](#) for details.

Meetings scheduled from May 11 - June 1.

Join Zoom Meeting

<https://zoom.us/j/99829450178?pwd=cVZPekM4OUtQS0tRUE15d01PMXJnQT09>

Meeting ID: **998 2945 0178**

Password: **099839**

Archives:

October 21, 2019: [Meeting Recording](#)

September 23, 2019: [Meeting Recording](#)

September 9, 2019: [Meeting Recording](#)

August 26, 2019: [Meeting Minutes](#); [Meeting Recording](#)

August 12, 2019: [Meeting Minutes](#); [Meeting Recording](#)

July 29, 2019: [Meeting Minutes](#); [Meeting Recording](#)

July 15, 2019: [Meeting Recording](#)

July 1, 2019: [Meeting Minutes](#); [OH-EdgeX integration.ppt](#); [Meeting Recording](#)

June 17, 2019: [Meeting Minutes](#); [Meeting Recording](#)

June 3, 2019: [Meeting Minutes](#); [Meeting Recording](#)

This is an open meeting. All are encouraged to attend.