Open Horizon - EdgeX Project Group

This page is dedicated to work associated with exploration of the Open Horizon open source effort and possible integration efforts with it.

Open Horizon Info

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).

Resources:

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

Since commercial support for Open Horizon is also offered by IBM under the product name “IBM Edge Computing For Devices” (IEC4D) or “IBM Edge Computing Manager”, several documentation assets have been created. These assets describe the same Open Horizon available in open source so these are valuable assets for our community as well. So some of these assets appear in the list below as well.

Presentation by IBM: Open Horizon PPT

IEC4D documentation: IBM Knowledge Center: IEC4D

Video resources:

Sometimes it is nice to sit back and listen to someone explaining things.

Open-Horizon: How It Works (15 minute overview followed by 16 minute technical deep dive)

Hands On: Software Deployment Patterns Versus Policies (9 minutes)

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
  Mar 2, 2020 02:00 PM
  Mar 9, 2020 02:00 PM
  Mar 16, 2020 02:00 PM
  Mar 23, 2020 02:00 PM
  Mar 30, 2020 02:00 PM
  Apr 6, 2020 02:00 PM
  Apr 13, 2020 02:00 PM

Please download and import the following iCalendar (.ics) files to your calendar system.
Weekly: https://zoom.us/meeting/u3Irc-Gurjul1Xv95S8mFGeMMLyjZSUShVA/ics?icsToken=98tyKu-uqD8iHNSWFi70yCe7QqW8v4bPHml1h2vP9x8LDJJCtV-TzbvDHFZ3-d5JvntB

Join Zoom Meeting
https://zoom.us/j/666486034

Meeting ID: 666 486 034

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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.