

Open Horizon project TAC Annual Review

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Topics

1. Current state


- Maturity
- Commits and contributions
- Community participation
- Governing body
- Documented release processes
- Project adopters

2. 2022 Growth Plan

3. Questions & Advice

Current State - 2021

Current state -- maturity

- › In March, Open Horizon was promoted to Stage Two maturity
- › In April, the project turned one year old
- › Now working towards Stage Three maturity, but still a ways off
- › Core Infrastructure Initiative  A progress bar for the OpenSSF best practices initiative. It consists of a dark grey segment on the left and an orange segment on the right. The orange segment is labeled 'in progress 25%'.

Current state – commits and contributions (new in 2021)

- › Core contributions
 - › Secrets Manager – Vault service as Management Hub component
 - › RISC-V Agent & SDK – Intensivate contribution
- › Project integrations
 - › mimik – extending micro-service delivery to new environments
 - › ORRA – Tibco's Flogo and Project Air
- › Project adoption – development *with* and usage *of*
 - › SoftServe – SmartAg Foundation: containerized, extensible developer stack
 - › OPEN – proposed solution for school/farm cooperative agriculture ventures
 - › HP Inc – announced compatibility with Engage Edge
 - › Added `open-horizon-services` GitHub project

Current state – community participation




- › 26 [Mentees graduated](#) from four programs in 2021
- › 34 new Committers
- › 3 Committers promoted to Maintainers
- › 1 new cross-project vertical organization created -- ORRA



<https://insights.lfx.linuxfoundation.org/projects/health>

Metrics

COMMITTS

	 Open Horizon (beta) ×	 EdgeX Foundry (bet... ×	 Fledge ×
Number of commits in the last 12 months (Feb 27, 2021 - Feb 27, 2022)	↓ 858.00	↓ 2552.00	↑ 1740.00
Number of total code contributors in the last 12 months (Feb 27, 2021 - Feb 27, 2022)	↑ 54.00	↓ 63.00	↓ 16.00
Number of new code contributors in the last 12 months (Feb 27, 2021 - Feb 27, 2022)	↑ 34.00	↓ 31.00	↓ 2.00
Percent of commits from the top organization in the last 12 months (Feb 27, 2021 - Feb 27, 2022)	↓ 76.69% International Business Machines Corporation	↑ 48.04% Intel Corporation	↓ 52.01% Dianomic
Percent of commit contributors from the top organization in the last 12 months (Feb 27, 2021 - Feb 27, 2022)	↓ 50.00% International Business Machines Corporation	↓ 23.81% Intel Corporation	↑ 25.00% Dianomic
Percent of commits by affiliated contributors in the last 12 months (Feb 27, 2021 - Feb 27, 2022)	99.30%	99.88%	100.00%
Percent of affiliated contributors in the last 12 months (Feb 27, 2021 - Feb 27, 2022)	92.59%	88.89%	100.00%

Current state – governing body

- › The TSC size and composition remained unchanged
 - › eight voting members: seven WG chairs and one project partner (IBM)
- › The WGs voted in three new WG chairs – DevOps and Management Hub (2x)
- › The SIGs remained unchanged

Current state – documented release processes

In the process of planning for a community-directed feature roadmap and release process, we realized that we didn't have a process for members to [propose new features](#). We created and implemented that process as part of a [Feature Request Lifecycle](#).

The Feature Request process is divided into four distinct stages, collectively comprising the Feature Request Lifecycle:

- › [Feature Candidate](#) – This is the stage where an idea for one or more user outcomes is defined as a Feature, described and presented, and accepted or rejected.
- › [Feature Design](#) – This is the stage where the Feature is built. The technical requirements will be decomposed into discrete tasks/issues, development will ensue, then testing and deployment.
- › [Feature Support](#) – This stage covers the time when the functionality is available to the public and OH will work to fix any identified bugs.
- › [Feature Archive](#) – This stage is the final resting place for obsolete, superseded, or deprecated Features that may be of historical significance but are no longer under development or supported.

Current state – project adopters (in alphabetical order)

- › Deutsches Zentrum für Luft und Raumfahrt (DLR)
- › Foxconn
- › HP Inc
- › IBM
- › Intersivate
- › Kyndryl
- › mimik
- › SoftServe
- › Submergence Group
- › Tibco

Growth Plan - 2022

2022 Growth Plan

- › Host a public instance of Open Horizon in LF Edge Shared Community Lab
- › Make significant progress towards Stage Three maturity
- › Hold more development-related meetings in public, open office hours
- › Create training materials and developer kits for education
- › Expand the edge beyond trad. containerized hosts – ex. Samsung, mimik
- › Enable smart retail – ex. Vantiq, CapGemini
- › Promote smart agriculture and sustainability – ex. OPEN, DT4GS, N50, AgriRegio
- › Support security on the edge – ex. AccuKnox
- › Foster human/cobot interactions – ex. Boston Robotics
- › Explore application-directed networking
- › Recruit at least four project partners and *obtain resource commitments*

Questions and Advice

Thank You

Backup