



Open Source is the way
forward for mainframe

*John Mertic
Director, Open Mainframe Project*

Why Open Source for mainframe?

Why Open Source for mainframe?

1. Open Source accelerates innovation
2. Open Source is (more) secure



Why Open Source for mainframe?

- I. Open Source accelerates innovation**
- 2. Open Source is (more) secure





Open source is huge and universal

40M

Over 40 million OSS
components available¹

420M

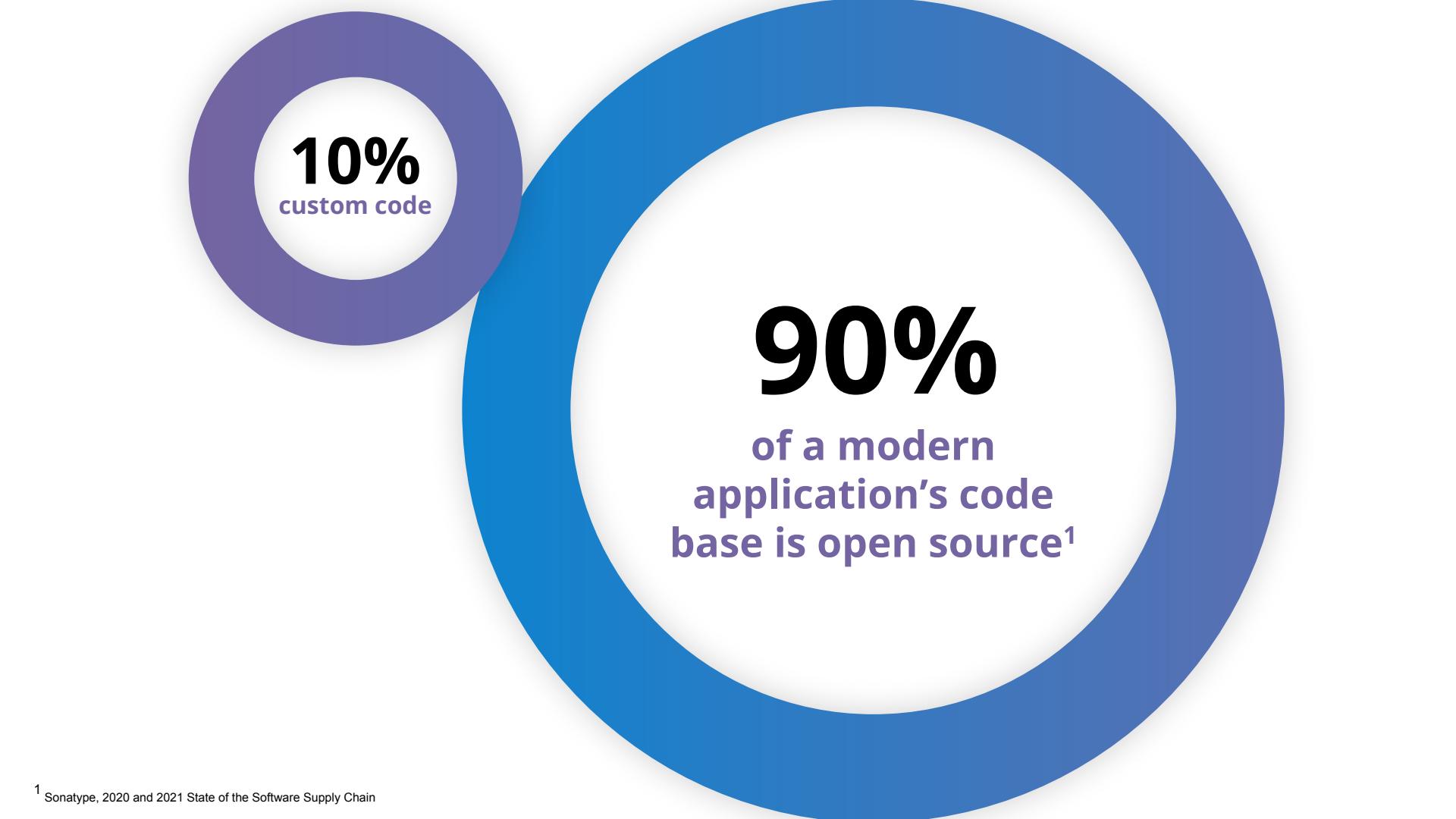
OSS component releases
available by 2026²

2T

2 trillion package
downloads a year³

^{1,3} Sonatype, 2021 State of the Software Supply Chain

² Veracode, The Busy Manager's Guide to Open Source Security



10%
custom code

90%
of a modern
application's code
base is open source¹

Your customers are already using open source!



- Open source is prevalent in the financial services industry
- These companies are developing centers of excellence (open source program offices or OSPOs for using and contributing to open source.

Please select the statement closest to your current employer's policy on incorporating open source libraries or code into your code base.

2021 State of Open Source in Financial Services Survey, May, June, July, 2021

Sample Size = 139



- 42% Use of open source libraries or code is acceptable if it is the best tool
- 25% Use of open source libraries or code is encouraged
- 13% Not sure
- 13% No clear policy
- 6% Use of open source libraries or code is rarely, if ever, permitted

Why Open Source for mainframe?

- I. Open Source accelerates innovation
2. **Open Source is (more) secure**





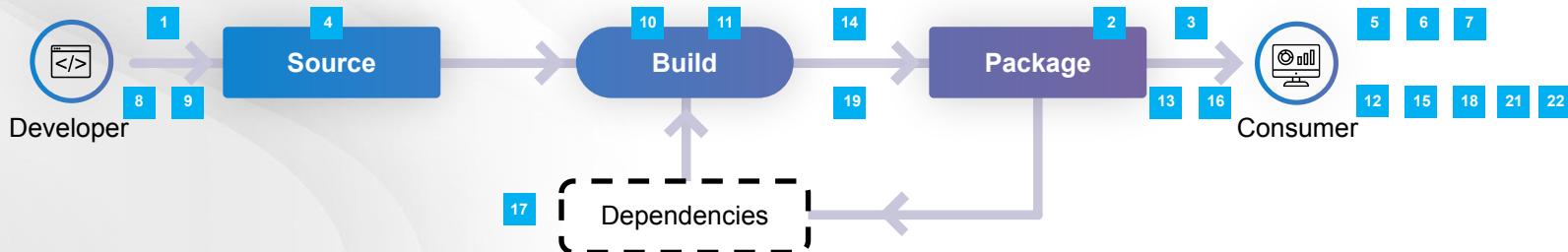
Why is open source more secure?

1. Many more eyes are looking to find and fix problems.
2. Open source projects fix vulnerabilities and release patches and new versions a lot faster.
3. Practically all commercial software uses a healthy chunk of open source, but in many cases it is not appropriately managed.

Source:

<https://www.whitesourcesoftware.com/resources/blog/3-reasons-why-open-source-is-safer-than-commercial-software/>

Open Source has a strong and healthy security Community



1. [OpenSSF](#): find, inform, automate, fix, and educate
2. [SPDX \(ISO 5962\)](#): international standard for Software Bill of Materials
3. [CNCF: guide for supporting software supply chain best practices](#)
4. Best Practices badge: [Core Infrastructure Initiative \(CII\) Best Practices badge signifies code quality and security](#)
5. [SSDF](#): Secure Software Development Fundamentals set courses
6. [Let's Encrypt](#): the world's largest certificate authority for the https:// protocol
7. [CCC: Confidential Computing Consortium](#) protects data in use in memory
8. [CHAOS: Community Health Analytics Open Source Software](#) creates analytics and metrics for OSS that define health and identify risk
9. [Harvard Research Partnership](#): Laboratory for Innovation Science at Harvard co-developed the report [Vulnerabilities in the Core: a Preliminary Report and Census II of Open Source Software](#)
10. [in-toto](#): a framework designed to secure the integrity of software supply chains.
11. [TUF: The Update Framework](#) maintains the security of software update systems
12. [Uptane](#): protects software updates delivered over-the-air to automobiles.
13. [sigstore](#): eases the adoption of cryptographic software signing (of artifacts such as release files and container images) backed by tamper-resistant public logs (now in OpenSSF)
14. [Git](#): Extending git to enable pluggable support for signatures
15. [patatt tool](#): end-to-end cryptographic attestation to patches sent via email
16. [OpenChain \(ISO 5230\)](#): international standard for open source component tracking through supply chain
17. [LFX](#): identify OSS vulnerabilities and code secrets, powered by Snyk and BluBracket
18. [Term](#): software composition analysis tool and library to generates a layer-by-layer view of what's included within a container image
19. [SBOM Generator](#): automatically generate a SBOM from your CI/CD system
20. [CatchIT](#): CI/CD plug-in identifying confidential or sensitive information in code, and catch security violations
21. [osquery](#): perform endpoint visibility
22. [CASE Ontology](#): An international standard supporting automated combination, validation, and analysis of cyber-investigation information

Challenge:
**How can we grow and sustain
open source on mainframe?**



Enter Open Mainframe Project



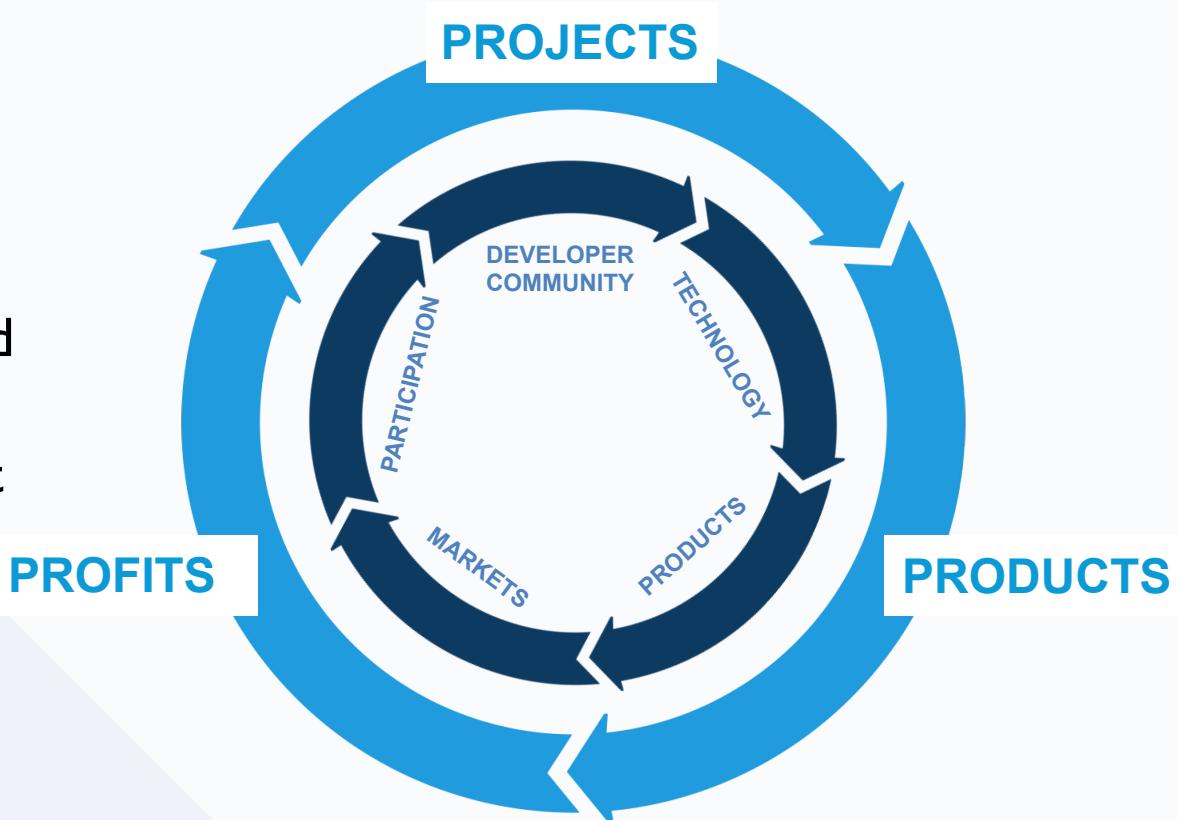
Open Mainframe Project believes...

- that leading organizations leverage their **technology infrastructure as a competitive advantage**.
- that the mainframe design principles of **security, stability, scalability, and performance are important** to these leading organizations
- **having the mainframe interoperable** in a hybrid infrastructure enables leading organizations to realize its benefits.
- technical advancements that are needed by the mainframe community can be **better achieved through open source**.

Open Mainframe Project builds **sustainable open source**



Successful projects depend on members, developers, standards and infrastructure to develop products that the market will adopt.



Frequent Contributors Get High ROI From Open Source Foundation Membership

Return on Investment (ROI)

Those who **frequently** contribute code upstream



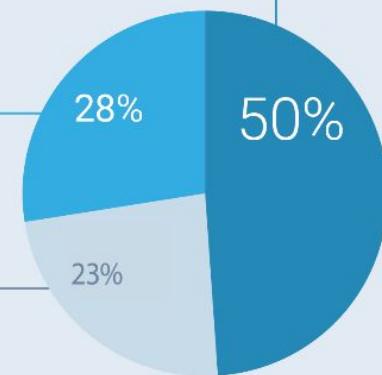
Those who **sometimes** contribute code upstream



Those who **rarely or never** contribute code upstream



Member or sponsor of an open source foundation



Pie chart does not equal 100% because of rounding.

Source: "Open Source Programs in the Enterprise - 2020" Survey.

Is your company a member or sponsor of an open source foundation(s)? (e.g., Linux Foundation, Apache Foundation, Eclipse Foundation, OpenJS Foundation) If yes, how valuable is the support and return on your investment you have received from these open source foundations? Frequently contribute code upstream, n=95; Sometimes contribute code upstream, n=53; Rarely or never contribute code upstream, n=43.



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Vision

The mainframe is an active, integrated, and essential part of modern enterprise IT, consumable by mainstream developers and users, and driven by a vibrant open source community.

Mission

To achieve the vision of the Open Mainframe Project by...



Setting a high bar for application development on the mainframe through documentation, API development, and a security-first approach.



Showcase the mainframe of today to both the mainframe ecosystem as well as the broad enterprise IT community.



Enable the mainframe to be more consumable by developers with a transparent experience in leveraging the value propositions of the mainframe.



Ensure the mainframe aligns well in the changing enterprise IT landscape of cloud-native and DevOps.

Open Mainframe Project enables this innovation

Active



Incubation



Sandbox



Working Groups



Learn about all Open Mainframe projects at <https://www.openmainframeproject.org/projects>

Open Mainframe Project:

part of The Linux Foundation ecosystem of sustainable open source



For the last 16 years, The Linux Foundation has provided unparalleled support for open source communities through financial and intellectual resources, governance structure, IT infrastructure, services, events, and training.

Dedicated to building sustainable ecosystems around open source projects, The Linux Foundation is working with the global technology community to solve the world's hardest problems through open source and **creating the largest shared technology investment in history.**

The Linux Foundation is the umbrella organization for **more than 800 open source projects** accelerating open technology development and commercial adoption. Some of the game-changing initiatives hosted by The Linux Foundation include:



CLOUD NATIVE
COMPUTING FOUNDATION



HYPERLEDGER
BLOCKCHAIN TECHNOLOGIES FOR BUSINESS



Zephyr™
Project



kubernetes



OpenSSF
OPEN SOURCE SECURITY FOUNDATION



Fintech
Open Source
Foundation



ASWF
/* ACADEMY
SOFTWARE
FOUNDATION



Let's
Encrypt



RISC-V®



CALL
FOR
CODE®

LF NETWORKING

LF EDGE

Landscape of open source projects only on mainframe



Open Mainframe Landscape

1.0

See the interactive landscape at [l.openmainframeproject.org](https://landscape.openmainframeproject.org)

Greyed logos are not open source

Linux



z/VM



z/OS



Development Tools



Learning and Mentoring



Other

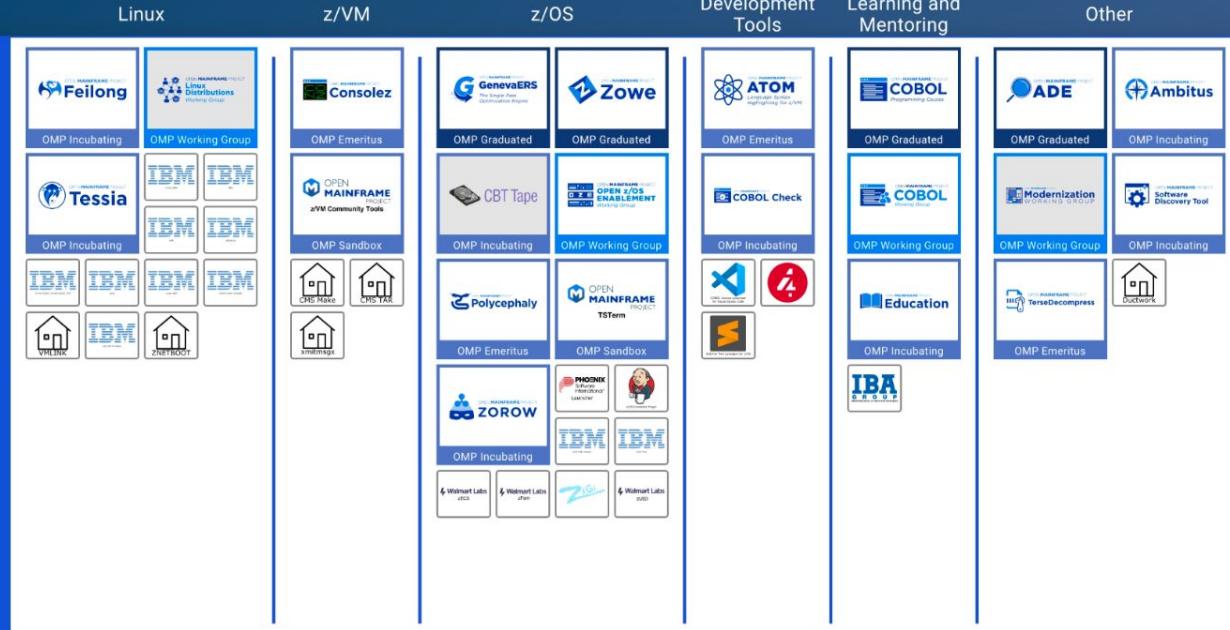


This landscape is intended as a map to explore open source projects within the mainframe industry, and also shows the member companies of the Open Mainframe Project.



[l.openmainframeproject.org](https://landscape.openmainframeproject.org)

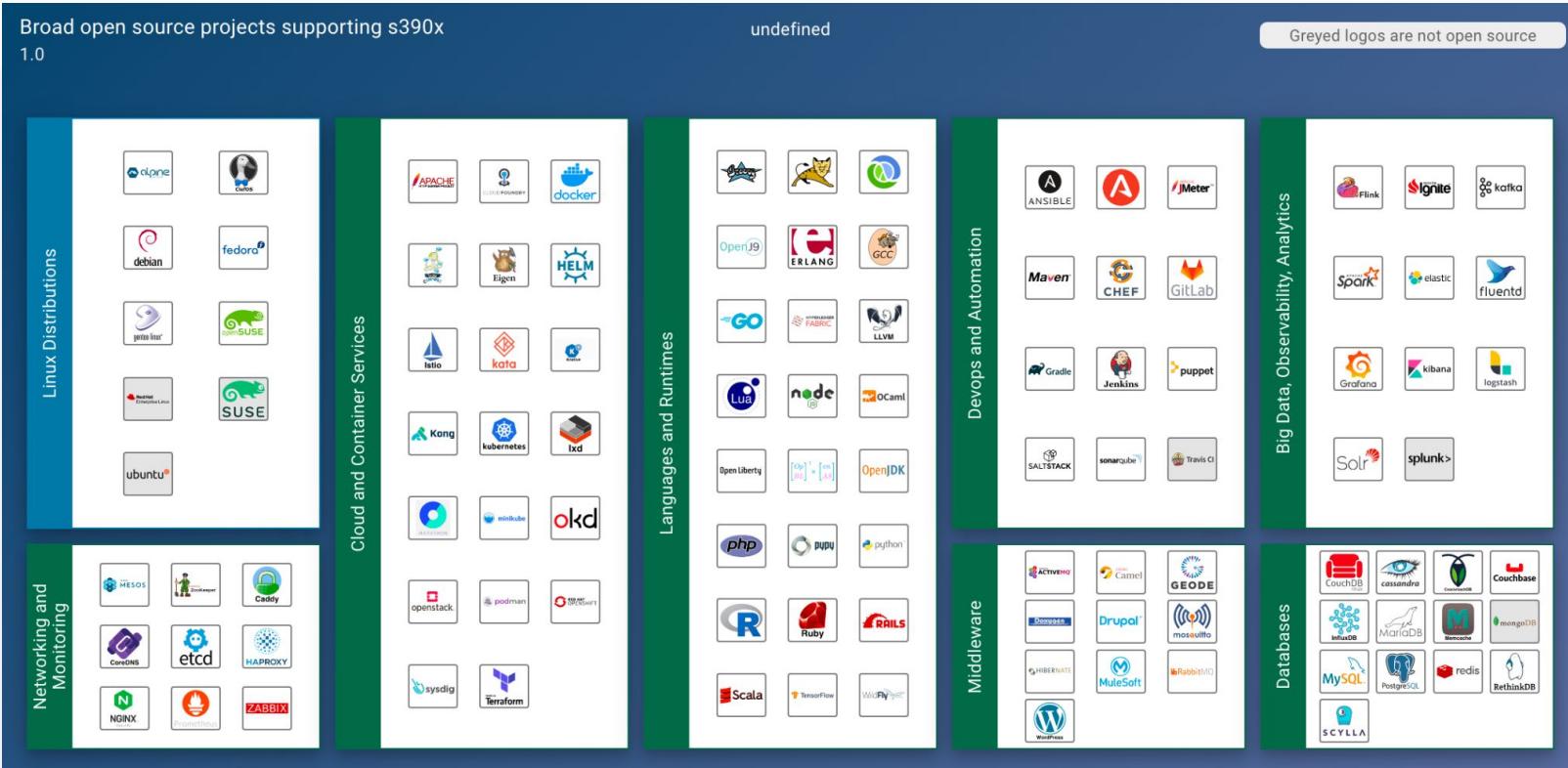
Projects



Source: <https://landscape.openmainframeproject.org/fullscreen>



Broad open source supported on mainframe



Source: <https://landscape.openmainframeproject.org/fullscreen/open-source>

Enabling innovation - connecting z/OS to enterprise devops with Zowe



Major Problem

Modernize integration with z/OS based applications and services
Bridge the talent gap by enabling modern development stacks on z/OS

How We Innovated

2018 Open Mainframe Project added Zowe from contributions from Broadcom, IBM, Rocket Software
2019 Zowe reached 1.0, launched Zowe Conformant to enable downstream ecosystem investments in collaboration, ecosystem development, and infrastructure
2021 Zowe formed TSC to have technologists lead project direction; launched Zowe Support Conformant Program
2022 Zowe 2.0 release

Results - 2022

30000+ Commits, 250+ committers all time
Zowe gaining significant mindshare in DevOps community
50+ Zowe Conformant offerings from vendors including ASG, BMC, Broadcom, IBM, MicroFocus, Phoenix Software International, Rocket Software
2 Zowe Conformant Support Providers - Broadcom and IBM
New project contributions from BMC, IBA Group, Vicom Infinity, and others, has grown codebase

Enabling innovation - create hub for Linux on Z and z/VM community



Major Problem

Users want to manage their mainframes with the same modern cloud technologies used across the enterprise.

z/VM integration with technologies such as OpenStack have long been a challenge.

Contribution base was IBM only, making it challenging to get wider adoption

z/VM lacked a sustainable hub for community tools and utilities

Linux distributions supporting s390x mainframe

How We Innovated

2019 Open Mainframe Project added Feilong

2020 Software Discovery Tool and Tessia added as a projects

2021 z/VM Community Tools forms as a Sandbox project, Linux Distributions Working Group formed

Results - 2022

Central repository for open source on mainframe developed, tracking across all major distributions (
<http://sdt.openmainframeproject.org>)

Sustainable and coordinated maintainership for s390x Linux distributions, including Debian, Fedora, and openSUSE amongst others.

Central hub being developed for z/VM tools and utilities for easier discoverability.

Enabling innovation - modernizing COBOL



Major Problem

COBOL talent is critical to our society, and the need has amplified in the COVID-19 pandemic.

Enabling the next generation to have COBOL skills done in isolation, causing repeated efforts and lower uptick.

COBOL lacking tools that align with modern development

How We Innovated

Launched COBOL Programming Course as an open source project in April 2020

Created collaboration forums and ways that COBOL talent can advertise their availability

Launched COBOL Working Group to bring together leaders in thinking about the future of COBOL

COBOL Check project launched, bringing TDD practices to COBOL

Results - 2022

“Calling all COBOL Programmers” forum has had over 1800 individuals make themselves available since April 2020

COBOL Programming Course has 1.9k stars and 400+ forks, along with 17 contributors from several organizations.

COBOL Working Group getting broad feedback on the future direction of COBOL

COBOL Check a step forward in modern dev practices

Enabling innovation - with the next generation



OPEN MAINFRAME PROJECT

MENTORSHIP

Major Problem

Aging tenured mainframe talent, with a growing mainframe talent gap and skills decline in next generation talent.

Needing to help connect students with opportunities in mainframe, aligning the interests in open source

How We Innovated

Launched first mentorship program in 2016 with 7 mentees.

Connected within the mainframe and broad open source community to ensure mentorship work has upstream project value.

Enabled universities to also leverage the program within class work; successful with VCU and Western University (Ontario)

Results - 2022

60+ mentees completed the program, with broader classwork focus reaching 100+ more.

Upstream work has included ports of Alpine Linux, contributions to HyperLedger, OpenStack, CloudFoundry, Kubernetes, and more.

Several mentees are now employed in mainframe roles with IBM, SUSE, ADP, and more.



Open Mainframe Project enables innovation
through community building

Meet the Open Mainframe Project Ambassadors

Open Mainframe Project Ambassadors are individuals who are passionate about the mainframe technology, recognized for their expertise, and willing to help others learn about it and community. Successful ambassadors are people such as bloggers, influencers, evangelists who are already engaged with an Open Mainframe project in some way including contributing to forums, online groups, community events, etc.

ACTION: If you would like an ambassador to speak at your event, please contact pr@openmainframeproject.org with the name of the conference, date and links.



OPEN MAINFRAME PROJECT
AMBASSADOR



Dan Kelosky
Broadcom

Dan is a Software Architect at Broadcom.

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Elizabeth K. Joseph
Developer Advocate - IBM

Elizabeth K. Joseph is a Linux systems administrator turned developer advocate at IBM Z where she works with the community to explore Linux workloads on mainframes.

[Read More](#)



Greg MacKinnon
Broadcom

Greg is a Distinguished Engineer at Broadcom and participant in OMP's Zowe community.

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Hartanto Ario Widjaya
Student - Singapore Management University

Hartanto is a computer science student from Singapore Management University.

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Jerry Edginton
Western Southern

Jerry Edginton is a Senior Technical Analyst at Western Southern and a lead of OMP's Polycephaly project.

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Jessielaine Punongbayan
Broadcom

Jessielaine Punongbayan is a Product Owner at Broadcom and the Lead for Zowe Explorer Squad.

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Joe Bostian
z/OS Open Source and Analytics Architect at IBM

Joe Bostian is a z/OS Open Source and Analytics Architect at IBM and the lead of the Open Mainframe Project Ambitius project.

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Joe Winchester
IBM

Joe Winchester is a Senior Technical Staff Member at IBM and participates on OMP's Zowe Leadership Committee.

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Matt Hogstrom
Broadcom

Matt Hogstrom is a Distinguished Engineer at Broadcom and one of the original committers of OMP's Zowe project.

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Michael Bauer
Broadcom

Michael Bauer is a Product Owner at Broadcom, Zowe Command Line Interface Squad lead, and a TSC member of the COBOL Programming Course and Zowe.

[Read More](#)



Richelle Anne Craw
Broadcom

Richelle Craw is a Senior Software Engineer at Broadcom and a member of OMP's Zowe Explorer Squad.

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Rose Sakach
Broadcom

Rose is a Global Product Manager at Broadcom and participates on OMP's Zowe Leadership Committee.

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Sarah Julia Kriesch
Contributor - openSUSE

Sarah Julia Kriesch is an educated Computer Science Expert for System Integration and studied Computer Science at the TH Nürnberg.

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Steven Dickens
Vice President of Sales and Business Development and Senior Analyst - Futurum Research

Social media savvy, Sales Leadership, Offering, Product and Marketing professional based in New York.

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Sudharsana Srinivasan
IBM Z Influencer Program Manager at IBM

Sudharsana is the IBM Z Influencer Program Manager at IBM and TSC Chairperson of the COBOL Programming

[Course project](#)

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Timothy Johnson
Software Engineer - Broadcom

Timothy is a Software Engineer at Broadcom and an active member of the Zowe Command Line Interface Squad since 2019.

[Read More](#)

A Focal point for open source on mainframe



Open Mainframe Summit is the annual event that brings together the open source and mainframe ecosystems, discussing projects, trends, and executive insights.



2023 Dates to be announced



Telling the “mainframer” story

- Monthly interview series that highlights diversity in mainframe
- Showcases why people have mainframe in their careers and their views of the technology and career field
- Read and listen at openmainframeproject.org/podcast



Building an ecosystem through Zowe Conformance

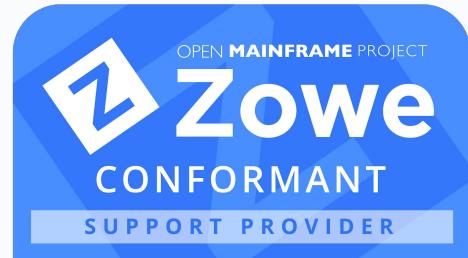


Zowe Conformance Program enables vendors to showcase their offerings based on Zowe, as well as their capabilities in supporting Zowe end-users.

Zowe Support Provider Conformance Program gives vendors the ability to showcase their Zowe support competencies.

Benefits

- Your offering and logo listed in the [Zowe Conformant offering directory](#) or [Zowe Conformant Support Provider directory](#) and showcased in Zowe outreach materials
- Exclusive branding marks to use in your product materials
- Participation in the Zowe Advisory Council (ZAC)
- PR announcement for new organizations providing offerings
- Post a guest blog post on your offering on the Open Mainframe Project and Zowe blog



Fees are waived for Open Mainframe Project members

More details at

<https://www.openmainframeproject.org/projects/zowe/conformance>



Growing diversity and inclusion in mainframe

A REAL CONVERSATION TO ACCELERATE OUR WAY FORWARD

MAKING OUR STRONG COMMUNITY, STRONGER: A COLLABORATIVE INITIATIVE

Webinar: How Personal Experiences Shape Corporate Inclusion

April 28th 2021 | 11:00 CST / 12:00 EST

Moderator: Dr. Gloria Chance
President & CEO, The Moduel Group
Peak Performer, Psychological Innovation & Creativity Expert
Former COO

Dr. Gloria Chance
President & CEO, The Moduel Group
Peak Performer, Psychological Innovation & Creativity Expert
Former COO

Ashley Peterson
Product Marketing Manager, IBM Z and LinuxONE
IBM

Jeff Henry
VP Strategy, Product Mgmt & Design Mainframe Software Division
Broadcom

Sharra Owens-Schwartz
Inclusion, Diversity and Equity Senior Director
Rocket Software

Jerry Chauypradit
Manager, IBM Z Interstage Networking Solutions
IBM

A REAL CONVERSATION TO ACCELERATE OUR WAY FORWARD

MAKING OUR STRONG COMMUNITY, STRONGER: A COLLABORATIVE INITIATIVE

Webinar: Unmasking Our 'Whole Self' - Can We Create Inclusive Psychologically Safe Spaces in the Workplace?

July 28th 2021 | 9:00 PDT / 12:00 EDT

Moderator: Dr. Gloria Chance
President & CEO, The Moduel Group
Peak Performer, Psychological Innovation & Creativity Expert
Former COO

Dr. Gloria Chance
President & CEO, The Moduel Group
Peak Performer, Psychological Innovation & Creativity Expert
Former COO

Allyson Cook
Program Lead, Employee Engagement Program
Broadcom

Tina Tarquinio
Product Management Director for Z
IBM

Kevin Norlin
Chief Revenue Officer
Rocket Software

Earl Dixon Jr.
Program Client Strategic Marketing Account Manager Tech Lead
Broadcom

A REAL CONVERSATION TO ACCELERATE OUR WAY FORWARD

MAKING OUR STRONG COMMUNITY, STRONGER: A COLLABORATIVE INITIATIVE

From Educators to End Users: Leveraging Holistic Approaches and the Importance of Belonging Across the Tech Ecosystem

February 23rd 2022 | 9:00 PDT / 12:00 EDT

Moderator: Dr. Gloria Chance
President & CEO, The Moduel Group
Peak Performer, Psychological Innovation & Creativity Expert
Former COO

Dr. Gloria Chance
President & CEO, The Moduel Group
Peak Performer, Psychological Innovation & Creativity Expert
Former COO

Chinedu Beli
Corporate Vice President, Enterprise Services
New York Life

Byron Smith
Sr. Mainframe Security Engineer, Enterprise Technology Banking Office
M&T Bank

Gina Bullock, PhD
Assistant Professor, North Carolina A&T State University

Nicole Ikwakor
Specialist, Systems Engineer Infrastructure and Cloud (IGC)
Charles Schwab

Watch the “Making our Strong Community Stronger” series on [Open Mainframe Project’s Youtube Channel](#)



[Blog](#) [DEI](#) [Diversity](#) [Diversity & Inclusion](#)

What inclusion means to me and how to get started

Written by Maemalynn Meanor, Senior Public Relations Manager at The Linux Foundation Diversity and inclusion...

maemalynn
April 23, 2021



[Blog](#) [DEI](#) [Diversity](#) [Diversity & Inclusion](#)

[Equity & Inclusion](#)

My favorite Mainframe and Six Women Building It

Written by Tina Tarquinio, Making Our Strong Community Stronger Panelist and Product Management Executive for...

Open Mainframe Project
November 12, 2021



[Blog](#) [DEI](#) [Diversity](#) [Diversity & Inclusion](#)

Women in Technology Continue to Grow in Numbers and Contribution

Written by Sagi Amirsoleymani, Vice President, WW Cross Brand, Rocket Software Rocket Software is a...

Open Mainframe Project
May 26, 2021

Read about diversity in mainframe on [Open Mainframe Project’s Blog](#)

Being an example of diversity in leadership in mainframe

40% of Open Mainframe Project Leadership is Female



Andrea Orth
Technical Administrator at State Farm Mutual Automobile Insurance Company

Andrea is the TSC Chairperson for the GenevaERS project

[Read More](#)



Dana Reeves
Podcast

Dana Reeves manages the "I Am A Mainframe" podcast

[Read More](#)



Deb Giles
Events and Open Mainframe Summit

Deb is leading the Open Mainframe Summit event production.

[Read More](#)



Donna J. Hudi
Chief Marketing Officer at Phoenix Software

Donna has more than 30 years of financial service, technology, marketing, and executive management experience spanning the asset management, software development, consulting, and non-profit industries.

[Read More](#)



Lacey Darrow
Senior Global Public Relations Manager at Rocket Software

Lacey is a Senior Global Public Relations Manager at Rocket Software, Inc

[Read More](#)



Maemalynn Meanor
PR & Communications

Maemalynn is the PR & Communications Senior Manager for Open Mainframe Project.

[Read More](#)



Meredith Stowell
VP, IBM Z Ecosystem at IBM

Meredith is the VP, IBM Z Ecosystem, helping to build skills and a strong community of partners for IBM Z.

[Read More](#)



Misty Decker
Product Marketing Director at Micro Focus

Over 30 years of experience and 8 career changes, two things have remained constant in Misty Decker's career: mainframes and a passion for helping new learners.

[Read More](#)



Stacey Miller
Global Product Marketing Manager for SUSE Linux Enterprise Server for IBM Z and LinuxOne, Real Time, Geo Clustering and Global Services

Stacey is responsible for driving SUSE product market strategy and communicating their value to SUSE partners and customers.

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Sudharsana Srinivasan
IBM Z Influencer Program Manager at IBM

Sudharsana is the IBM Z Influencer Program Manager at IBM and TSC Chairperson of the COBOL Programming Course project.

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Yarille Kilborn
Project Coordinator

Yarille is the Project Coordinator for Open Mainframe Project.

[Read More](#)



Yvette LaMar
Director of the IBM Z Influencer Ecosystem at IBM

Yvette LaMar is the Director of the IBM Z Influencer Ecosystem for IBM. Her mission is to help build a vibrant IBM Z community, and a strong mainframe technical talent pipeline.

[Read More](#)



Bringing together the open source and mainframe conversation



Slack Channel

<https://slack.openmainframeproject.org>

The screenshot shows the homepage of the Open Mainframe Project Community Forum. At the top, there's a navigation bar with links for ABOUT, MEMBERS, BLOG, NEWS, and CONTACT. Below the navigation is a search bar and a user profile icon. The main content area features a banner asking if users want live notifications, with a link to "Enable Notifications". Below the banner are tabs for "all categories", "Categories", "Latest", and "Top". The "Categories" tab is selected. The forum lists several categories and topics:

- Uncategorized**: 64 topics, 6 unread. Description: Topics that don't need a category, or don't fit into any other existing category.
- Calling all COBOL Programmers**: 1743 topics, 4 unread. Description: Are you an experienced COBOL programmer interested in assisting agencies and employers needing additional COBOL skills as they respond to public needs during the COVID-19 pandemic? If you are interested in either volunteering your time or making yourself available for hiring, include the following ...
- Jobs**: 4 topics, 1 unread. Description: Post here if you are looking for mainframe talent.
- Mainframers**: 17 topics, 2 unread. Description: For Mainframe Enthusiasts!
- Zowe**: 26 topics, 3 unread.
- COBOL technical questions**: 33 topics.

On the right side, there's a sidebar with a "Latest" section showing recent posts:

- A: Automate legacy COBOL conversions (1 post, 21h ago)
- J: Experienced Cobol Programmer/Analyst (0 posts, 2d ago)
- S: COBOL programmer with 40 years of experience (+CICS & Webservices & all new stuff , php , mysql) (0 posts, 3d ago)
- O: Cobol programmer from mexico (0 posts, 7d ago)
- O: COBOL Programmer ready to hire from Mexico (0 posts, 8d ago)

At the bottom of the sidebar, there's a note: "Available with rich experience in migration, version upgrade, development and".

Community Forums

<https://community.openmainframeproject.org/>

8

years since
launch

41

Supporting
Organizations

18

Hosted Projects and
Working Groups

70+

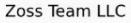
Mentees
Sponsored

1600+

Project
Contributors

88,000+

Project
Contributions



How to contribute to projects



Contribute to an existing project:

- Submit a PR with a bugfix or new feature
- Pick existing GitHub issue as a sample project
- Integrate with a new app / contribute plugin
- Help improve project documentation
- Submit additional test cases
- Join the TSC discussion: dev mailing list, conf calls

Get involved with the TAC or Working Group:

- DevOps / CI expertise always useful
- Interest / expertise in security especially welcome
- Join the TAC discussions: mailing list, conf calls, working groups

More information at

tac.openmainframeproject.org/engagement



Getting Involved in Projects

All of the projects hosted at the Open Mainframe Project are open and transparent, and welcome participation from anyone interested in the technology areas. Each project publishes their governance processes within their project repo (typically in the README.md file or in a GOVERNANCE.md file within the primary project repo or TSC repo) on roles within the community and how decision making is made.

TAC Meetings

Learn more about joining the public meetings of the Technical Advisory Council (TAC) on the [Meetings page](#)

Mailing Lists and Slack channels for hosted projects

Each project hosted at the Open Mainframe Project collaborates on open channels that are welcome for anyone in the community to participate in. See the below list of channels for each project.

All Slack channels referenced below are part of the [Open Mainframe Project Slack organization](#)



Repo: <https://github.com/openmainframeproject/ade>

Website: <http://ade.openmainframeproject.org>

Slack: #ade

Leads: James Caffrey

Repo: <https://github.com/openmainframeproject/cobol-programming-course>

Website:

<https://www.openmainframeproject.org/projects/cobolprogrammingcourse>

Mailing List: <https://lists.openmainframeproject.org/g/cobol-course-discussion>

Slack: #cobol-programming-course



Make sure you are following us on social!



The Open Mainframe Project
Information Technology & Services · San Francisco, CA · 4,941 followers

The focal point for deployment and use of Linux and Open Source on the mainframe
WWW.OPENMAINFRAMEPROJECT.ORG

OpenMainframeProject
@OpenMFProject
A @LinuxFoundation Project for Open Source on the Mainframe as the standard for enterprise class systems and applications.
openmainframeproject.org Joined October 2015

Follow us on LinkedIn at

<https://www.linkedin.com/company/the-open-mainframe-project>

Follow us on Twitter at

<https://twitter.com/OpenMFProject>

And sign up for the [Open Mainframe Project newsletter](#) to keep up to date on project happenings



Learn more about the Open Mainframe Project



- Find out more at openmainframeproject.org
- See the breadth of open source on the mainframe at l.openmainframeproject.org
- Discover and participate in any of our 20 hosted projects and working groups at openmainframeproject.org/projects
- Take part in our upcoming events and webinars at openmainframeproject.org/events



Thank you!



Why become a member?

Becoming an Open Mainframe Project member means your organization is...



- a leader in the open source on mainframe community
- wants to drive the technical vision of open source on mainframe
- a thought leader or aims to be a thought leader in open source on mainframe
- bringing solutions to market based on projects hosted at the Open Mainframe Project, and wanting to show your stewardship towards those communities

Leverage our industry presence to advance your thought leadership.



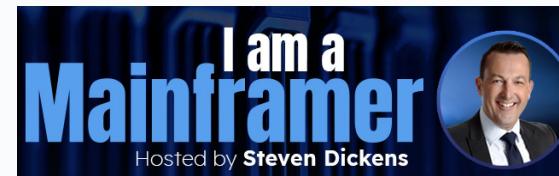
Through our large audience, extensive media outreach, and with key partnership with publications such as [Linux.com](#), [TFiR](#), [TechChannel](#), and [MediaOps](#), you will be positioned to be a thought leader in open source. Specific benefits include...

- Announcement of your membership via press release and social.
- Your company logo on both the [Open Mainframe Project website](#) and [Linux Foundation website](#).
- Guest blog post(s) on the [Open Mainframe Project blog](#) on a thought-leadership topics of our choice.
- Provide a guest for the "[I Am A Mainframer](#)" podcast, hosted by Steven Dickens and Open Mainframe Project
- Post one technical article about an open source project you care about to [Linux.com](#), which has over 1 million unique visitors per month.
- Support of your announcements with social outreach and quotes from Linux Foundation and/or Open Mainframe Project leadership as appropriate.
- Access to opportunities for contributed articles, videos, podcasts, and events



TechChannel

TFiR



6000+
followers



3500+
followers



1100+ global media
articles in 2022
from 4 press
announcements

Member exclusive opportunities for Open Mainframe Summit



Members have an exclusive opportunity to participate in our annual Open Mainframe Summit, this year in person in Philadelphia. This event is the focal point for the open source and mainframe community, bringing together developers, users, and executives, from the mainframe community and beyond.

Member benefits include...

- Discounts on registration and sponsorship
- Include your news relating to open source on mainframe with our press materials to reach the 20+ reporters and analysts covering the event.
- Onsite meetings with Open Mainframe Project leadership





Additional Event Participation Opportunities

- One invite to our member-exclusive [Linux Foundation Member Summit](#), which fosters collaboration, innovation, and partnerships among the leading projects and organizations working to drive digital transformation with open source technologies.
- Employees at your organization receive a 20% registration discount to eligible [Linux Foundation events](#), such as our Open Source Summit events in North America, Europe, and Japan.
 - Open Mainframe Project hosts mini-events for members and the community at these events.
- A 5% Discount on [Linux Foundation Event Sponsorship](#), including [Open Mainframe Summit](#) (7% discount on multi-event Sponsorships). Sponsorships offer a valuable way to reach the community of Open Source Developers, Engineers, C-level Executives, and more.





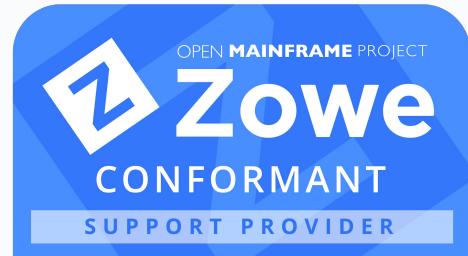
Join the Zowe Conformance Program

Zowe Conformance Program enables vendors to showcase their offerings based on Zowe, as well as their capabilities in supporting Zowe end-users.

Zowe Support Provider Conformance Program gives vendors the ability to showcase their Zowe support competencies.

Benefits

- Your offering and logo listed in the [Zowe Conformant offering directory](#) or [Zowe Conformant Support Provider directory](#) and showcased in Zowe outreach materials
- Exclusive branding marks to use in your product materials
- Participation in the Zowe Advisory Council (ZAC)
- PR announcement for new organizations providing offerings
- Post a guest blog post on your offering on the Open Mainframe Project and Zowe blog



Fees are waived for Open Mainframe Project members

More details at <https://www.openmainframeproject.org/projects/zowe/conformance>

Showcase your career opportunities in mainframe



- Showcase of Open Mainframe Project members who are hiring for mainframe positions
- Not a job board - links to each member's job listings

The screenshot shows the homepage of the Open Mainframe Project's careers section. At the top, there is a navigation bar with links for ABOUT, PROJECTS, COMMUNITY, NEWS, RESOURCES, and CONTACT, along with social media icons for Twitter, LinkedIn, YouTube, GitHub, and others. A search bar is also present. The main header reads "CAREERS IN MAINFRAME" over a background image of a globe with glowing city lights. Below the header, a text block says: "Are you looking to see where mainframe and open source skills can take you? Check out the many open opportunities from Open Mainframe Project members below for the next step in your career." Below this text, there are four rows of company logos, each with a "LEARN MORE" button underneath:

Row 1	ADP	BROADCOM	epam	IBM
Row 2	LEARN MORE	LEARN MORE	LEARN MORE	LEARN MORE
Row 3	MICRO FOCUS	Rocket software	SUSE	precisely
Row 4	LEARN MORE	LEARN MORE	LEARN MORE	LEARN MORE

At the bottom of the page, there is a small note about trademarks and a link to the Terms of Use. Social media icons are located at the very bottom right.

ACTION: Provide a link to your job listings specific to mainframe positions

<https://www.openmainframeproject.org/resources/careers>



Host a mentorship

Open Mainframe Project funds mentorships for students to bring new talent into mainframe through contributions to open source. These mentees have made huge impacts on hosted projects such as Zowe, Feilong, COBOL Programming Course, and more, as well as broad open source projects such as Alpine Linux, CloudFoundry, Kubernetes, and more.

Members can provide a mentorship and be a mentor, which is funded by the Open Mainframe Project. This provides a unique opportunity to find new talent.

Contact mentorship@openmainframeproject.org if you are interested.



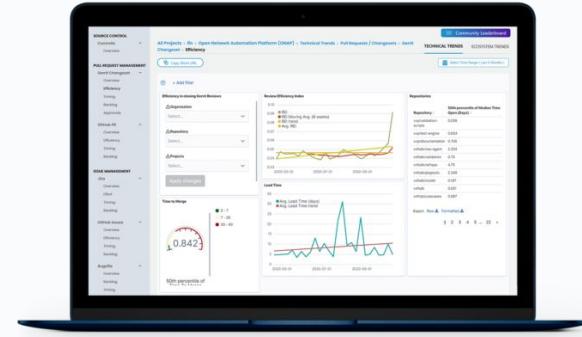
Measure your project impact with LFX Insights



LFX Insights (Technical Trends) is a new analytics tool that is provided to all open source projects hosted by the Linux Foundation. Its capabilities include:

- Getting the visibility you need to remove bottlenecks at any stage of your project's code pipeline. Drill down into performance metrics across every step in the development lifecycle to identify where you should be focusing your resources.
- Ensuring the health and viability of the open source projects you care about. Leverage data to help validate projects for investment, and track the activity and growth of projects your organization is already involved in.
- Showcasing your organization's leadership and subject matter expertise in the open source community. Leverage affiliations to measure the impact of your employees' contributions and capture the full picture of your team's impact

In addition to the use of the other LFX tools provided by the Linux Foundation, access to **LFX Insights (Ecosystem Trends)** tool is available to Open Mainframe Project Silver and Platinum members, which provides additional visibility into tracking your project's performance beyond code with a more holistic view of your ecosystem. Identify opportunities to grow your community and increase awareness with ecosystem trend metrics including share of voice, top influencers, email list collaborators, and more.



LFX Insights

Maximize Your Open Source Investment with training



THE
LINUX
FOUNDATION

Training & Certification

The Linux Foundation offers training and certification direct from the source, those contributing to the world's most important open source projects.

As an Open Mainframe Project Silver or Platinum member, you are entitled to 10 vouchers for 100% any...

- LF eLearning Class
- Certification Exam
- eLearning+Certification Exam “Bundle”.

The value is \$299+ per course.

Improve your open source compliance and practices



As a Linux Foundation member, your in-house counsel has access to the leading vendor-neutral resources in open source compliance, best practices, and training, along with peer collaboration. Specific benefits include...

- Your legal counsel's ability to participate in bi-monthly legal calls
- One invite for your in-house counsel to [LF Legal Summit](#), which helps connect your counsel to their peers at other member companies and advance your organization's open source licensing, litigation, compliance, and best practices.
- Access to a complimentary membership to the [TODO Group](#), which is a forum for discussing best practices and approaches for establishing and managing open source program offices in organizations.
- Support from the vast expertise in the Linux Foundation in engaging with open source, and even starting your own open source project(s).

THE LINUX FOUNDATION

Welcome to The Linux Foundation!

The Linux Foundation works with companies and communities to support the development of critical, sustainable open source projects. Companies and organizations join the LF in order to enable better collaboration among businesses and technical leaders in the open source community.

The LF also serves a key role as a neutral, collaborative forum for in-house counsel to come together and discuss legal matters relating to their development and use of open source. This welcome packet is intended to introduce your legal teams to some of the LF groups and resources that are available to them.

LF Member Counsel

The Linux Foundation hosts recurring events for the in-house legal teams from LF members, including:

- [bimonthly member counsel calls](#), where the LF legal team discusses current topics facing our members and projects in their interactions with open source projects and communities;
- [our annual Legal Summit](#), where our members' legal teams gather for deep dives, presentations and workshops, and honest and frank debates on critical open source legal matters.

One point of clarification is that these events are for lawyers. It is acceptable to include someone else from your organization, but you must have a lawyer present as it will make other lawyers uncomfortable to participate with unrepresented individuals from other companies.

LF Member Counsel events are open to all of our members' legal teams, and are coordinated via mailing list. Please contact us at legal@linuxfoundation.org to be added to the list.

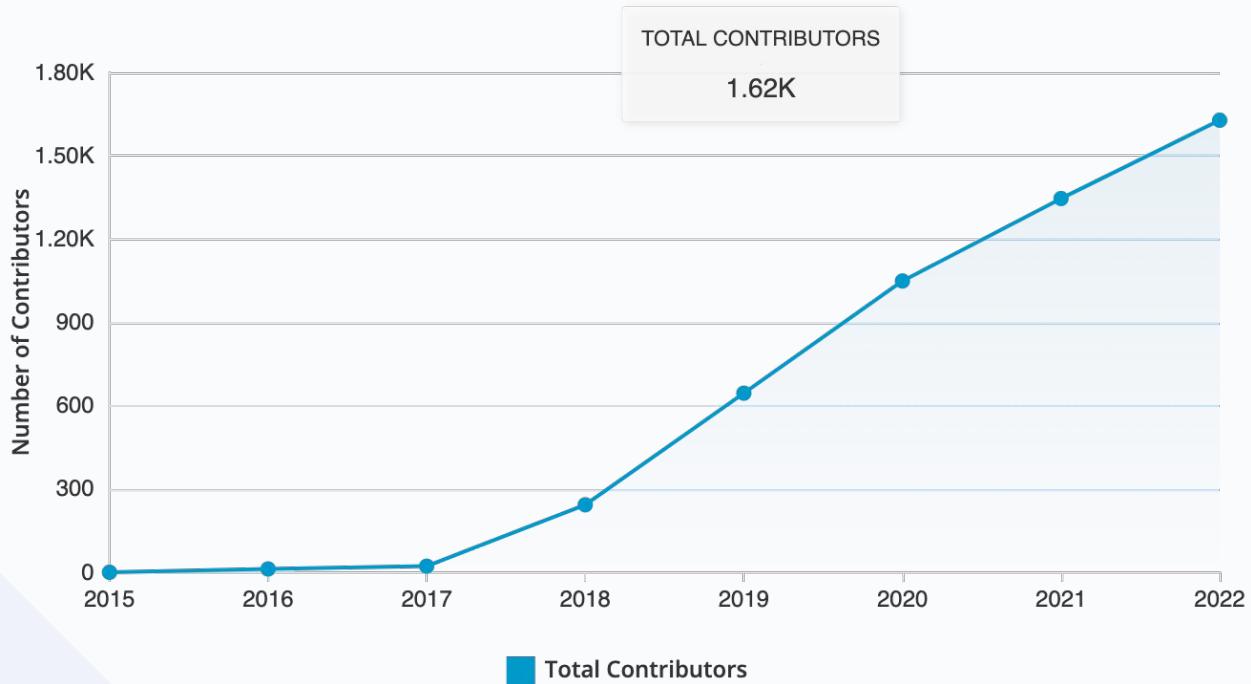
Projects: Compliance, Licensing and Best Practices

ACT	https://automatecompliance.org/ ACT (Automating Compliance Tooling) seeks to improve software tooling for detecting and complying with open source licenses. Its goal is to improve the efficiency and quality of open source compliance tools to enable compliance workflows that can be optimized for each company's unique build and release process.
OPENCHAIN	https://www.openchainproject.org/ OpenChain defines the key requirements for an organization's open source compliance program. It establishes a conformance program where companies can self-certify to these requirements, with the goal of improving transparency and communication of compliance information across supply chains.
SPDX	https://spdx.dev/ SPDX (Software Package Data Exchange) is a specification for communicating Software Package Metadata in a standardized, human- and machine-readable format. It enables better communication of information, including license and copyright details, between organizations and interoperability between compliance tools.
TODO	https://todogroup.org/ The TODO Group (Talk Openly, Develop Openly) is a forum where participants discuss best practices and approaches for open source strategy in their businesses. Participants include members of open source program offices and related teams, collaboratively addressing various strategic considerations interacting with open source communities.
COMMUNITY DATA LICENSE AGREEMENT	https://cdla.io/ CDLA (Community Data License Agreement) is a pair of licenses that were jointly drafted by members of the LF Member Counsel community. They define reusable license terms intended to better address unique issues that arise in open data collaboration.

But most importantly, you support innovation



18 collaborative projects and working groups are successful because of the investment of members funding these initiatives.



Data through 12/31/2022. Source:

[https://insights-v2.lfx.linuxfoundation.org/open-mainframe-project/trends?selectedDateFilterType=CUSTOMDATES&startDate=Thu%20Jan%2001%202015%2000:00:00%20GMT-0500%20\(Eastern%20Standard%20Time\)&endDate=Sat%20Dec%2031%202022%2023:59:59%20GMT-0500%20\(Eastern%20Standard%20Time\)](https://insights-v2.lfx.linuxfoundation.org/open-mainframe-project/trends?selectedDateFilterType=CUSTOMDATES&startDate=Thu%20Jan%2001%202015%2000:00:00%20GMT-0500%20(Eastern%20Standard%20Time)&endDate=Sat%20Dec%2031%202022%2023:59:59%20GMT-0500%20(Eastern%20Standard%20Time))

Drive the direction of the foundation through Platinum Membership



Platinum members are the key stewards of the Open Mainframe Project, and as such hold key leadership positions in the various governance structures. Their investment is key to the sustainability of open source in mainframe.

Specific Benefits include:

- Voting seat on the Governing Board, TAC, and Marketing Committee, enabling the member to direct the strategic direction, budget, and priorities of the Open Mainframe Project.
- Host an Open Mainframe Project webinar and have a guest on the “I Am A Mainframer” podcast annually, if desired.
- Regular meetings to brief on project activities, and an annual membership check-in to review engagement opportunities and provide feedback to project leadership.
- First opportunity to participate and drive event and outreach opportunities, and the project will ensure partnership with Platinum Members in relevant events.
- Open Mainframe Project leadership will support Platinum Member events, internal open source program efforts, and be available for customer and prospect engagement.
- Additional training benefits through [LF Training](#).



Corporate, Academic, Associate Membership Levels



Level	Annual Fee Includes LF Silver Membership	Board Seat	TAC Seat	Marketing Committee	Notes
Platinum	\$120,000	Yes	Voting	Yes	Initial 2-year participant commitment
Platinum End-User	\$30,000	Yes	Voting	Yes	Initial 2-year participant commitment
Silver	5,000 employees or more = \$50,000 2,000 < 5,000 employees = \$35,000 1,000 < 2,000 employees = \$30,000 500 < 1000 employees = \$25,000 100 < 500 employees = \$15,000 < 100 employees = \$10,000	1 per 10	Non Voting	Yes	
Academic	Free	1 per 10	Non Voting	Yes	Restricted to academic institutions
Associate	Free	No	Non Voting	Yes	Non-profits, open source projects

To join Open Mainframe Project, go to <https://www.openmainframeproject.org/about/join> or email at membership@openmainframeproject.com

Listed fees include Linux Foundation Silver membership. If you are already a Linux Foundation Member, reduced pricing is available.