



ANNUAL REPORT 2022

Open Mainframe Project Annual Report

www.openmainframeproject.org



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Advancing the Open Mainframe Ecosystem: A message from our Director



2022 was filled with evolution as we transitioned from a pandemic to a new normal, started to deal with the economic headwinds and continued to be united as an open source community.

Keeping up with the momentum from last year, around 1,248 total contributors continued to make an impact in the Open Mainframe Project ecosystem. This is an increase of 24% when compared to 2021. These contributors helped create 17,644 commits, which is a growth of 33%.

With more growth comes more security, which became one of the main themes of this year. Other themes for the Open Mainframe Project included building a diverse and inclusive environment for developers, students and engineers on a global scale and offering more support and infrastructure for our projects and communities.

Security

Security is a challenge that has evolved over the past few years. Where intrusion attacks were once the biggest threats, now supply chain attacks are prominent, an increase by over 500% in the past few years. This means that it's not just important on how your software is built - but

what components are being used and where you sourcing them from. Open Mainframe Project produces software bill of materials (SBOMs) for every project hosted, leverages the LFX Security platform for managing vulnerabilities in third-party dependencies, and partners with the Open Source Security Foundation (OpenSSF) on best practices in running an open source project that is security conscious.

Diversity, Equity and Inclusion

Open Mainframe Project aims to ensure that diversity is an important part of everything we do. From our project communities and leadership to the "Making Our Strong Community Stronger" collaborative initiative, we are committed to diversity, equity and inclusion. This year, we made strides in this area that featured personal blogs by Open Mainframe leaders about diversity, more than 740 registrants to three webinars and a DEI track at Open Mainframe Summit.

New Mainframe Resource

With more than 20 current projects and Working Groups, several technical communities have a need to be able to test open source code on hardware. In September, at our annual Open Mainframe Summit, we announced the

DIVERSITY. EQUITY. INCLUSION.



availability of a z15 Mainframe system dedicated for training talent and the development of new open software technologies in ways that will further strengthen the integration of mainframe and cloud. Donated by Open Mainframe Project Platinum member Broadcom Mainframe Software Division, the z15 will be available for use by all projects and the open source community at large beginning in 2023.

I am proud and excited at the milestones we were able to reach this year as an ecosystem. For 2023, we will continue to focus on strengthening our ecosystem with more training and education, supporting our infrastructure with the new mainframe resource and celebrating diversity, inclusion, equity and belonging.

I look forward to continuing our mainframe open source journey together. Thank you for your support and commitment. Cheers to a new year.

John Mertic
Executive Director
Open Mainframe Project

Strengthening Mainframe Enterprise Security

Critical enterprise systems are more connected than ever, which means vulnerabilities have increased. In fact, according to [The Essential Holistic Security Strategy](#), a recent report by Forrester Consulting, commissioned by Open Mainframe Project Silver Member BMC, 81 percent of organizations surveyed are prioritizing the integration of security functions and improving security detection and response.



including cloud native services, automation, software supply chain management and more at the annual Open Mainframe Summit and in projects. Zowe is a great example of this.

Zowe LTS

In May, Zowe, an open source software framework for the mainframe that strengthens integration with modern enterprise applications, marked a major technical milestone with the Long Term Support (LTS) V2 release. The second version, which comes 2 years after the first LTS

release, offers vendors and customers product stability, security, interoperability as well as easy installation and upgraded features.

Benefits include:

Stability: Organizations can confidently adopt the technology for enterprise use and upgrade when appropriate for their environment, minimizing the risk of disruption.

Interoperability: Zowe consumers can be assured LTS-conformant extensions have adapted to and support LTS features.

Longevity: Zowe is designed for years of use and plans are in place for continued updates and support.

Learn more about the LTS [here](#).

In addition to achieving the LTS, Zowe spent last year improving the security posture and integrating more and better tools to ensure that the product is delivered with the highest security profile. Ultimately, the project published the security policy on <https://www.zowe.org/security>.

The policy explains how we handle the vulnerabilities in the dependencies, including how we share the ones fixed in the previous versions.

All the Zowe squads have integrated the tooling to ensure the quality of the code, such as SonarCloud.io or CodeQL based on the

preference of the squad. The tooling is run at least nightly but usually with every commit to the main branches. The Zowe project publishes SBOM for easier analysis of our dependencies by any user.

Additionally, Zowe has a proven track record with security as it received the OpenSSF Best Practices Badge a few years ago. This year, the Zowe community worked on reaching more than just passing state and getting the gold badge to prove that our processes and projects are as secure as possible.

Zowe became a CNA (CVE Numbering Authority) to ensure that any vulnerabilities found within the product will be shared in a timely manner. This also ensures that we will be notified upfront of any vulnerability found by a third party and allows us to fix the vulnerability and disclose it in a coordinated manner.



Following OpenSSF's lead with best practices

As mainframes power the most critical infrastructure in our society, leveraging the best practices in open source security is paramount in all our hosted projects. The Open Source Security Foundation (OpenSSF) has a number of tools and programs projects to use to improve their security practices.

The Best Practices for Open Source Developers WG increased awareness and education of security best practices through improvements in its free training course Developing Secure Software. This is now available through the Linux Foundation Training & Certification platform, edX, and on various organizations' Learning Management Systems, and it has had over 8,000 enrollments.

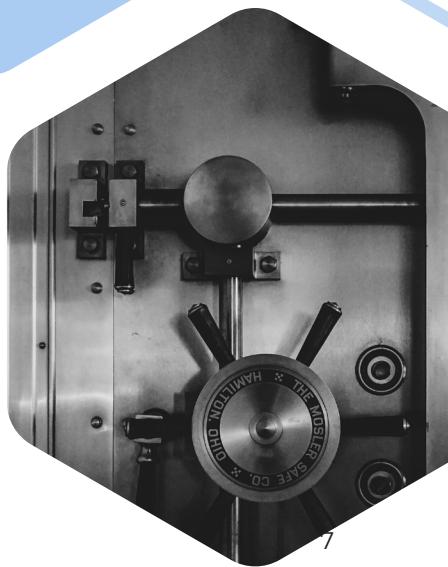
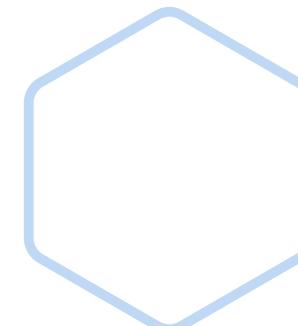
The course was updated this year to address the attacks that have recently become more prominent (per the CWE Top 25 and OWASP Top 10), as well as adding material to cover topics such as securing systems that use machine learning. Project leaders in the Open Mainframe Projects have taken this course and used the practices to improve their security practices.

The working group also released Concise Guides on Developing More Secure Software and Evaluating Open Source Software and provided an npm Best Practices Guide for those using the popular npm package manager. The OpenSSF Best Practices Badge Program now has over 5,000 participating projects and over 850 passing

projects, including all of those in the Open Mainframe Project.

The Best Practices WG released new Scorecards features, such as a GitHub Action and REST API, added security checks, scaled-up scans of the open source ecosystem, and badges. Over 1,600 repositories use Scorecards to incorporate best practices into their software development lifecycle for continuous improvement. This tool is being investigated by our hosted projects to be incorporated into their work.

The Vulnerability Disclosures WG unveiled the next evolution in improving open source coordination of vulnerability disclosures by crafting a new guide focused on the security researcher or Finder persona with a Guide for Security Researchers to Coordinate Vulnerability Disclosures with Open Source Software Projects. This guide has helped projects like Zowe establish a responsible and efficient mechanism for vulnerability disclosure.



Creating the Future of Mainframes in Enterprise IT

The mainframe continues to serve as the central nervous system for major industries such as finance and healthcare, which is something the public cloud has yet to achieve. For years, the mainframe has adapted with each new wave of technology to maintain its place at the center of many computing environments. At the same time today's mainstream virtualization and security approaches have been part of the mainframe platform for decades.

Mainframe Donation

Open Mainframe Project works as an open innovation pipeline enables organizations to gain the most value from their mainframe. In September, the project announced the availability of a z15 Mainframe system dedicated for training next generation talent and the development of new open software technologies in ways that will further strengthen the integration of mainframe and cloud. Donated by Broadcom Mainframe Software Division, the z15

will be available for use by all Open Mainframe Projects and the open source community at large beginning in 2023. Broadcom's donation provides a critical, new resource to foster greater collaboration and the development of new tool sets across the mainframe community.

The new z15 mainframe offers Open Mainframe's more than 20 projects and Working Groups an opportunity to test their contributions, it also equips them to build use cases and better plan a road map. Additionally, this mainframe infrastructure will be available for broad open source projects as a development, test, and continuous delivery environment, enabling developers within these communities to be able to support both z/OS and Linux on s390x. The z15 will be hosted at Marist College and installed and supported by Vicom Infinity, A Converge Company. Learn more [here](#).

Zowe Conformance Program

Open Mainframe Project's Zowe Conformance Program launched in 2020. The program, which aims to build a vendor-neutral ecosystem around Zowe, has helped Open Mainframe Project members such as ASG Technologies, BMC, Broadcom, IBM, Micro Focus, Phoenix Software International, and Rocket Software incorporate Zowe with new and existing products that enable integration of mainframe applications and data across the enterprise.

The conformance program has been updated with the Zowe LTS V2 release. To date, 37 products have implemented extensions based on the Zowe framework and earned these members conformance badges.

Mainframe Modernization

A hot topic among organizations is mainframe modernization. What does it really mean? The term "modernization" is used to mean different things causing confusion in the market. Some define "modernization" as moving away from mainframes and COBOL and others define "modernization" as updating existing systems in place.

Modernization, especially application and process modernization, is absolutely essential to the future of the mainframe ecosystem. Today, Open Mainframe Project announces a new working group that will provide leadership in ensuring that defining modernization in mainframe for enterprises is done in a way with a broad view of the options.

In September, Open Mainframe launched a new Working Group that will create a common definition and framework around modernization in the mainframe space; produce educational material and promote all messages and definitions in a wider landscape for better alignment.



The goals of the Working Group include:

- Collaborating on a common definition of “mainframe modernization”
- Creating a framework through which all vendors can highlight their modernization options.
- Producing educational materials about modernization options and actual examples.
- Creating one “go to” place for information about mainframe modernization.
- Educating the market (mainframe and non-mainframe) via social media, blogs, articles and conferences.
- Identifying opportunities for future Open Mainframe projects to enable modernization.

Like any of Open Mainframe projects, this working group is open to anyone in the community. Current members leading the effort include Broadcom Mainframe Software, IBM, Model9, Rocket Software, SUSE and Vicom Infinity, a Converge Company with Misty Decker, Product Marketing Director at Micro Focus and Open Mainframe Project Governing Board member, chairing the new working group.

To learn more or to stay updated, subscribe to the email list here: <https://lists.openmainframeproject.org/g/wg-mainframe-modernization> or connect via the [Open Mainframe Project Slack](#) via the #wg-modernization channel.

New COBOL Research Study

[The COBOL Working Group](#), which launched in 2020 as a response to the increasing interest in COBOL and the misinformation of it, aims to promote and support the continued use of the COBOL language globally. One of its first missions is to identify the COBOL market, challenges, concerns and how companies are addressing these issues.



In September, Open Mainframe Project announced its COBOL Working Group will collaborate with the [Linux Foundation Research](#) and the [Linux Foundation Training and Certification](#) on a new survey research. The goal of the survey is to explore how organizations’ usage of COBOL has evolved and what strategy and attitudes are driving change in the future on a global scale.

“Reliance on COBOL is quantifiably significant, we know that,” explains COBOL Working Group Co-Chair Derek Britton. “What we want to learn are the attitudes and requirements driving change to that COBOL application landscape. The IT world is constantly evolving, creating further requirements and opportunities to leverage COBOL. We’re trying to learn what’s on our horizon as a community.”

Sponsorship opportunities are still available for interested organizations that want to be involved. The research prospectus can be found [here](#).

Use Case: How Bankdata uses several of Open Mainframe Projects

[Bankdata](#), one of the largest specialist IT services providers of Denmark that provides core services (both front-end and back-end) to banks, leverages several Open Mainframe Project technologies to power these services.

[Rune Christensen](#), Lead Software Developer at Bankdata, shares how and why Bankdata uses Open Mainframe Project’s [COBOL Programming Course](#) and [COBOL Check](#).

Bankdata offers the entire tool case for banks, including mobile applications for U&I. Its solutions are used every day by 1.6 million Danes and 200,000 traders. For example, they develop the applications that their bank employees use on a day-to-day basis. Everything from account transfers to buying and selling of stocks, etc. Bankdata uses COBOL for the back-end services and front-end calls.

One of the greatest challenges with COBOL is hiring new developers and getting them to use it. Or, if developers are familiar with mainframes and COBOL, they have a lot of great theoretical knowledge. They are lacking practical knowledge and experience with transaction-based processing and how to manage it.

Bankdata found a solution with the [Open Mainframe Project's COBOL Programming Course](#), which all new employees and developers have to take to familiarize themselves with the language and receive hands-on training.

Additionally, Bankdata contributes to Open Mainframe Project's [COBOL Check](#), which is a unit testing for COBOL. Launched in March 2021, the project comes with an extension for Visual Studio Code, highlighting for the syntax and a

display of the results from unit tests.

Per Christensen, "I believe COBOL Check can help anybody doing COBOL source and COBOL code. Not necessarily for the mainframe but for any COBOL application because there is no other unit testing tool out there that enables you to do the shift lift that we are experiencing a lot of industries moving towards. We want to test often. We want to test early and we want it to be cheap and fast."

Bankdata heavily pushes unit tests to its COBOL developers to enable them to shift left and test earlier and more often. This ties into the pipeline we've made from our Git repositories. So when a developer has pushed COBOL source to a Git repository, they also push the unit test to that repository. And when that source is pushed to the mainframe, the part of the pipeline runs those unit tests and makes sure that they all pass. Learn more about COBOL Check here.

Encouraging an Inclusive Environment for All

Making Our Strong Community Stronger

"The evolution of the workplace is here. As humans, we need connection, meaning and teamwork to survive and thrive. Our year-long panel events have been developed to TELL, INSPIRE and ENCOURAGE understanding of how to create better place and spaces for each of us. Authentic stories, in psychologically safe climates encourages the best of who we are. Let our next steps be affiliation - acceptance - integration - rapport - kinship - partnership - BELONGING..."

— Dr. Gloria Chance, President/CEO [Musai Group](#)

Launched in 2021, the Making Our Strong Community Stronger (MSCS) collaborative initiative discussed the importance of telling stories and creating a climate for success for everyone. The program aims to demystify the challenges of isolation and loneliness that can occur when programs, training, support and other components of the ecosystem may not provide the holistic access, partnerships, and opportunities that unlock real belonging and potential for people, teams, and companies.

Sponsored by BMC, Broadcom Mainframe Software, IBM, Open Mainframe Project, Rocket Software, TechChannel and VirtualZ Computing, MSCS continued the bold, open and honest dialog related to the experiences, challenges, and solutions to navigating diversity, equity, inclusion and belonging (DEI-B).

Through this initiative, Open Mainframe Project helped host a few webinars this year including [importance of belonging in the tech ecosystem](#), [neurodiversity in the workplace](#) and [words matter: the language of diversity, understanding and acceptance](#), which had more than 1000 total registrants made up of people inside the mainframe ecosystem and the broader technology sector. Additionally, MSCS was able to plan an in-person event with several members of the planning committee and executive sponsors to meet-and-greet community members at [SHARE Columbus](#) on August 23 with more than 450 registrants.



One of the most popular MSCS webinars focused on neurodiversity, sometimes considered a diversity you can't see in the workplace hosted by Cynthia Coupé, CEO, Outreach Advocacy Resources and Services (OARS), Inc. Cynthia shared her experience as a neurodiversity expert and mother of an autistic daughter, as well as discussed industry insights and perspectives from three other neurodivergent leaders: a working professional in the tech industry, a grad student "on the spectrum," and a neurodiversity staffing executive.

"Neurodiversity is the new normal," Coupé says. "Even though it's less stigmatized today, many people still don't know how to navigate it, even though we all interact with it regularly (whether we realize it or not). To build safe spaces where everyone can grow, collaborate, and work in the way that plays to our strengths, this panel will lead the discussion on how we can better understand ourselves and each other."

If you missed the conversation, the videos are available on-demand. You can view it on the [MSCS playlist](#) on the [Open Mainframe Project Youtube Channel](#). You can also joined the Making Our Strong Community Stronger LinkedIn page [here](#).

Open Mainframe Summit

The response to this webinar was overwhelmingly positive, more than tripled the amount of attendees than the first MSCS webinar. As a result, Open Mainframe Project invited Coupé to give a keynote presentation at its first in-person [Open Mainframe Summit](#), held in Philadelphia, PA on September 21-22. She spoke about the idea that the challenges neurodiversity and the mainframe face are actually fairly similar. Her keynote was well attended and became one of the most tweeted and a favorite with attendees.

This presentation was one of several that focused on DEI. Other sessions were led by Sharra Owens-Schwartz, Vice President, Inclusion, Diversity & Equity at Rocket Software, who gave a keynote about how DEI creates

value in the mainframe industry and hosted a fireside chat with Byron Smith, Vice President, Senior Mainframe Security Engineer, Systems Technology at M&T Bank and former Making Our Strong Community Stronger webinar panelist. The Q&A and an additional talk by Coupé about neurodiversity in the work environment took place at the diversity luncheon, sponsored by Open Mainframe Summit Platinum sponsor Broadcom Mainframe Software.

As a result of these talks and diversity of speakers, Open Mainframe Summit earned a Gold Badge by the [CHAOS Diversity & Inclusion Badging Program](#) for the 2nd year in a row. This program encourages events to obtain D&I badges for leadership, self-reflection, and self-improvement on issues critical to building the Internet as a social good.

Asian American And Pacific Islander Heritage Month

Open Mainframe communities are composed of students, developers, managers, executives and leaders from all different types of backgrounds. This year, members of the Asian American community including John Mertic, Director of Program Management at the Linux Foundation, Maemalynn Meanor, Senior Manager of Public Relations and Communications at the Linux Foundation, and Alex Kim, Open Mainframe Project Mentor, Zowe contributor and Technology Business Development Executive/OSS Incubator Advocate at IBM T.J. Watson Research Center, shared their personal

experiences in honor of Asian American and Pacific Islander Heritage Month.

Read the blogs:

- [Where My Journey Started and Where it's Going](#) - Alex Kim, May 27, 2022
- [Lesson Learned: Always Listen to Mom](#) - Maemalynn Meanor, May 25, 2022
- [Asian American and Pacific Islander Heritage Month](#) - John Mertic, May 31, 2022



I am a Mainframer Podcast

One of the most popular initiatives Open Mainframe Project has in building a diverse community that is inclusive of different cultures and backgrounds is its long-time “I am a Mainframer” Podcast that explores the careers of those in and around the mainframe ecosystem.

It's currently hosted by Open Mainframe ambassador Steven Dickens, Vice President of Sales and Business Development and Senior Analyst at Futurum Research, who was part of launching the Open Mainframe Project in 2019. Each episode spotlights a person from all different levels of their career and covers key topics like the modern mainframe, insights into the industry, and generally offers advice for those working in the ecosystem.



Originally designed solely as a podcast - this year Open Mainframe took it one step further and added [video to all of its 2022 episodes](#):



- [I am a Mainframer: Cameron Seay](#)

February 4, 2022

- [I am a Mainframer: John Smith](#)

February 9, 2022

- [I am a Mainframer: Mark Neft](#)

February 17, 2022



- [I am a Mainframer: Rebecca Levesque](#)

March 21, 2022

- [I am a Mainframer: Jose Castano](#)

April 20, 2022

- [I am a Mainframer: Misty Decker](#)

May 30, 2022



- [I am a Mainframer: Lisa Dyer](#)

June 22, 2022

- [I am a Mainframer: David Jeffries](#)

July 27, 2022



- [I am a Mainframer: Eddy Ciliendo](#)

August 17, 2022

- [I am a Mainframer: Patrick Stanard](#)

September 30, 2022



- [I am a Mainframer: Leonard Santalucia](#)

October 19, 2022

- [I am a Mainframer: Enzo Damato](#)

November 22, 2022

- [I am a Mainframer: Bryan Foley](#)

December 22, 2022

Supporting Mainframe Education with Resources, Hands-on Training and Mentorships

Mainframe Open Education

Mainframe Open Education (MOE) is bringing the concept of open source to Mainframe education and training. The mission is to deliver mainframe users a convenient platform to create or donate learning tools so we cultivate skills and all for knowledge sharing and community contributions. The effort is a community-based program, offering a collection of knowledge within our generous community who are leading the way for future mainframe technicians. Mainframe users or those who are new to the Mainframe will be able to tap into knowledge gained from decades of experience of Mainframe subject matter experts.

This year, Open Mainframe Project's MOE hit several milestones, including developing, curating and hosting educational materials on GitBook. The GitBook Workspace provides accessible training content that can be reviewed by anyone interested in refreshing their mainframe knowledge. View the Mainframe Open Education GitBook [here](#).



COBOL Programming Course

Open Mainframe Project's Programming Course can be seen as a gateway to bring education to the next generation of learners. What sets it apart from other training courses is that it offers hands-on labs and exercises that put users on a real mainframe. In fact, several industry leaders are early adopters of the course including:

"I am using this material as a major part of my COBOL I course, both at East Carolina University and Tennessee State University. It is very accessible for the novice and gives a great introduction to VS Code and using GUI interfaces with COBOL for modern software delivery."

— Cameron Seay, Ph.D., Adjunct Professor at East Carolina University and Tennessee State University

"At Bankdata we use the COBOL Programming Course to onboard new developers that are not familiar with COBOL. It enables us to quickly get developers into coding COBOL, and is a good match for onboarding on our developer platform, which is based on VS Code."

— Rune Christensen, Lead Software Developer at Bankdata, Denmark

Open Mainframe Project Mentorships



The Open Mainframe Mentorship program continues to thrive as it matures as one of our most popular projects. Since launch, the Mentorship program has helped more than 75 students gain hands-on learning experience with Linux, open source and mainframes. This year, we had the highest number of applicants for the Summer 2022 term, which begins on June 1 and ends on August 31. More than 500 developers and students applied for the 13 mentorship programs. It was difficult for the mentors to select them but, ultimately, they chose 17 diverse mentees that yielded from Latin America, Asia, and North America.

Mentorship this year included member initiatives for IBM and Vicom Infinity as well as Open Mainframe projects such as Zowe, Mainframe Open Education, Software Discovery Tool, COBOL Programming Course and ADE. The mentees completed their summer term with real-world, hands-on experience that they can carry with them into the next phase of their career path.

Additionally, we saw a 2021 mentee become a 2022 mentor. Hartanto Ario Widjaya, a student at Singapore Management University, was a summer mentee for the COBOL Programming Course. Once completed, Hartanto continued to contribute to the project and became a member of the leadership committee for the COBOL Course and even mentored his own mentee this summer. Open Mainframe Project is thrilled to see Hartanto advance, especially as he has committed to be an Open Mainframe ambassador as well.



Robert Dahlberg, Chair of the Open Mainframe Project Mentorship Program and Ph.D. Assistant Professor at Virginia Commonwealth University, has worked with mentors to design mentorships that address specific mainframe development or research challenges since the inception of the program in 2015. These mentors are leaders from member organizations and within the open source and mainframe community, and work closely with their hand-selected mentees on their projects.

This year, Dahlberg has made the decision to retire from the Open Mainframe Project Mentorship Program. We honored Dahlberg for his leadership and lifelong commitment to education and training at Open Mainframe Summit with an award for outstanding achievement.



Evolving the Open Mainframe Ecosystem

Welcome Model9!



Model9, a pioneer of cloud data management for the IBM Z mainframe, joined Open Mainframe Project in July 2022 to further its commitment to bringing modern, open-source and cloud technologies to the mainframe ecosystem.

Model9 has always been an avid supporter of the open source model and contributed to projects that involved integration with open-source based technologies such as: Minlo Multi-Cloud Object Storage, Apache jclouds and Apache Tomcat.

Model9's participation in Open Mainframe Project allows the world's global-2000 enterprises with mainframes to achieve an integrated mainframe – open environment that supports their hybrid cloud models. Model9's data-led modernization approach keeps the mainframe application workloads untouched and helps integrate core enterprise data with the cloud.

Linux Distributions Working Group

There are communities of users and contributors, and each distribution has their own resources and mailing lists, but there isn't a real collaborative space for all of the Linux distributions to get together to solve problems



and share solutions. Launched earlier this year, the Linux Distribution Working Group aims to change that. The purpose of this working group is to oversee the health and maintenance of the s390x port of various Linux distributions to ensure that the s390x port remains a supported architecture for them all. To this end, the group will collaborate on shared challenges and successes, work together to nurture new contributors, and make sure they also have the infrastructure they need.

The Linux Distribution Working Group is led by co-chairs Elizabeth Joseph, Developer Advocate at IBM, and Sarah Julia Kriesch, DevOps Specialist at Accenture and an Open Mainframe Project ambassador.

The group already has representatives from [Debian](#), [Fedora](#), [openSUSE](#), [Red Hat Enterprise Linux](#), [Rocky Linux](#), [SUSE](#) and [Ubuntu](#). In fact, [AlmaLinux](#) just recently joined.

To learn more about the group, check the [Linux Distributions Working Group wiki](#), subscribe to the [wg-linux-distros mailing list](#) or join the [Open Mainframe Slack](#) #linux-distribution-wg.

Mainframe Modernization Working Group



hot topic among organizations is mainframe modernization. What does it really mean? The term "modernization" is used to mean different things causing confusion in the market. Some define "modernization" as moving away from mainframes and COBOL and others define "modernization" as updating existing systems in place.

Modernization, especially application and process modernization, is absolutely essential to the future of the mainframe ecosystem. Announced at Open Mainframe Summit, the new Working Group will create a common definition and framework around modernization in the mainframe space; produce educational material and promote all messages and definitions in a wider landscape for better alignment.

Much like the COBOL Working Group, all community members are welcome to participate and contribute to ensuring that defining modernization in the mainframe for enterprises is done in a way with a broad view of the options.

Current Open Mainframe Project members interested in leading the effort include: Broadcom Mainframe Software, IBM, Micro Focus, Model9, Rocket Software, SUSE and Vicom Infinity, a Converge Company. Misty Decker, Director of Worldwide AMC Product Marketing at Micro Focus and contributor to the COBOL Working Group, will serve as the Chair of the new working group.

To learn more or to stay updated, subscribe to the email list here: <https://lists.openmainframeproject.org/g/wg-mainframe-modernization> or connect via [the Open Mainframe Project Slack](#) via the #wg-modernization channel.

Mainframe DevOps Award goes to Zowe!!!



Zowe Updates

Zowe was recognized as the [Best DevOps for Mainframe Award](#) in this year's DevOps Dozen competition. It was selected over a number of commercial vendor offerings, reflecting a widespread appreciation for the value of an open source solution for the mainframe. Learn [more](#).

Zowe Chat, a new incubator project that extends z/OS use by focusing on working with mainframes from chat clients such as Slack, Microsoft Teams and Mattermost (with extensibility for other solutions). A set of commonly used scenarios will be provided, and the framework will be extensible so sites can add new scenarios. Similar to other Zowe core packages, the chat framework will be extensible by vendor tools, bringing an integrated user experience for more elaborate cross-vendor scenarios. Read more about it [here](#).

Zowe IntelliJ Plugin, a new incubator project that provides access to the mainframe from IDEs like IntelliJ, PyCharm, WebStorm and more. Launched by IBA Group, the IntelliJ IDEA plug-in leverages z/OSMF to interact with mainframe data sets and USS files, which enables those familiar with these IDEs to comfortably work with the mainframe just like other projects. This integration will improve the efficiency and overall happiness of IntelliJ enthusiasts now working on the mainframe. Learn more in this [blog](#).

COBOL Working Group

The [COBOL Working Group launched a survey last year](#) that confirmed there are an estimated 250 Billion lines of COBOL code running the world economy, there is a dire need for programmers, among other details. This year, [the COBOL WG announced a partnership with the Linux Foundation Research and the Linux Foundation Training and Certification](#) to develop a new research study to explore a detailed understanding of how organizations'

Make your mark with important COBOL market research.

The Open Mainframe Project COBOL Working Group recently announced plans to embark on its most ambitious market survey to date. We seek your support and investment to bring this exciting project – and significant brand opportunity – to fruition.



usage of COBOL has evolved and what strategy and attitudes are driving change in the future. The program will begin in January 2023 and the results will be published at Open Mainframe Summit 2023. Sponsorship opportunities are available; learn more at <https://www.openmainframeproject.org/blog/2022/12/09/calling-all-cobol-community-vendors-and-patrons>.

Ambassadors



Last April, Open Mainframe Project [announced our first-ever class of Open Mainframe Ambassadors](#).

The main goal of the Ambassadors

Program is to spread the word around the world on how to join the community and advance Open Mainframe. Open Mainframe Project Ambassadors have volunteered to perform a variety of activities including speaking, mentoring, reviewing materials or presentations and writing blogs or contributed articles.

This year, we're excited to add more thought leaders who are passionate about mainframes and our projects including:

- **Elizabeth K. Joseph**, Developer Advocate at IBM and Chair of Software Discovery Tool
- **Hartanto Ario Widjaya**, Student at Singapore Management University, contributor of COBOL Programming Course and 2022 Open Mainframe Summer Mentor
- **Sarah Julia Kriesch**, Contributor at openSUSE and contributor to the Linux Working Group
- **Steven Dickens**, Vice President of Sales and Business Development and Senior Analyst at Futurum Research and contributor to Open Mainframe Project
- **Sudharsana Srinivasan**, IBMZ Influencer Program Manager at IBM and Chair of the COBOL Programming Course
- **Timothy Johnson**, Software Engineer at Broadcom and a member of the Zowe Command Line Interface Squad

To see the complete list of Ambassadors, visit
<https://www.openmainframeproject.org/ambassadors>.



3rd Annual Open Mainframe Summit

The 3rd annual Open Mainframe Summit, which was in-person in Philadelphia, PA, and streamed online for global attendees was focused on security, which is top of mind for every company that uses mainframes

Several keynotes and talks highlighted security as it relates to all aspects of mainframes and beyond including cloud native services, automation, software supply chain management and more. The Summit also spotlighted projects such as Zowe and COBOL, Mainframe Open Education and training topics that will offer seasoned professionals, developers, students and thought leaders an opportunity to share best practices and network with like-minded individuals.

Open Mainframe Summit ended with 224 registered attendees that represented 103 companies, which is a 24% increase compared to those that attended last year. A majority of the attendees resided in the United States though other countries included India, Brazil, Germany, the United Kingdom and Mexico.

Since this was the first year at an in-person venue, the Open Mainframe Project events team created a comfortable, informal atmosphere that catered to attendees with plenty of room for impromptu meetings and networking opportunities. They even created places where attendees could gather together to play games like Cornhole, Connect Four, Operation and Uno.

The conference was made possible thanks to our sponsors: Broadcom Mainframe Software, IBM, Kyndryl, SUSE, BMC, CloudFrame, Micro Focus, Vicom Infinity, and Rocket Software.



Looking ahead to 2023

This year was focused on building an inclusive environment for the community, strengthening security with mainframes and enterprise solutions and offering support for projects.

In 2023, we will continue to build on this momentum with the new mainframe resource and explore additional training opportunities.

As we close for another great year - we'd like to personally thank members of the Open Mainframe Project Governing Board, Technical Advisory Committee and Marketing Committee as well as the staff for the project.

GOVERNING BOARD



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CTO Office and Director
for Industry Initiatives,
SUSE



Cameron Seay, Ph.D.
Adjunct Professor at East
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Harry Williams
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Distinguished
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Operations Director at Citi



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Senior Software Architect
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IBM Z Influencer Program
Manager at IBM

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Yvette LaMar
Director of the IBM Z
Influencer Ecosystem at IBM

STAFF



Dana Reeves
Podcast



Deb Giles
Events and Open
Mainframe Summit



John Mertic
Director



Maemalynn Meanor
PR & Communications



Yarille Kilborn
Project Coordinator

Addendum

Open Mainframe Blogs

All of these blogs can be found on the Open Mainframe Project blog landing page here.

[Welcoming Derek Britton and Cameron Seay to the Governing Board](#) — John Mertic, Director of Program Management, Open Mainframe Project, January 4, 2022

[2022 Goals for the Open Mainframe Project](#) -John Mertic, Director of Program Management, Open Mainframe Project, January 5, 2022

[Running Zowe in Kubernetes](#) - Jack Jia, Software Developer at IBM, dedicated to Zowe, January 7, 2022

[Where do we go from here? 2022 Predictions](#) - Open Mainframe Project, January 12, 2022

[Easily Research and Access Mainframe Open Source using ISPF](#) - Open Mainframe Project, January 14, 2022

[TechChannel e-book: How to Effectively Develop Mainframe Skills](#) - Open Mainframe Project, February 2, 2022

[I am a Mainframer: Cameron Seay](#) - Dana Reeves, February 4, 2022

[I am a Mainframer: John Smith](#) - Dana Reeves, February 9, 2022[Tutorial to start Zowe in Kubernetes](#) - Open Mainframe Project, February 11, 2022

[I am a Mainframer: Mark Neft](#) - Dana Reeves, February 17, 2022

[Meet Zorrow, An Open Mainframe Project For z/OS Systems](#) - Open Mainframe Project, February 23, 2022

[The Importance of Belonging Across the Tech Ecosystem](#) - Maemalynn, February 25, 2022

[Talking the Talk – Why COBOL Rocks](#) - Open Mainframe Project, March 2, 2022

[How To Stand Up Zowe on z/OS in Minutes](#) - Open Mainframe Project, March 4, 2022

[5 Mainframe Mavens](#) - Open Mainframe Project, March 8, 2022

[Software Discovery Tool](#) - Open Mainframe Project, March 11, 2022

[The Joining of Mainframe, Distributed and Cloud-Native Continuous Delivery](#) - Open Mainframe Project, March 16, 2022

[Zowe marks Diamond Milestone](#) - Open Mainframe Project, March 18, 2022

[I am a Mainframer: Rebecca Levesque](#) - Dana Reeves, March 21, 2022

[Top 5 Reasons to be Excited about Zowe](#) - Open Mainframe Project, April 1, 2022

[Leveraging the Open Mainframe for Hybrid IT](#) - Open Mainframe Project, April 6, 2022

[How Culture Impacts Experiences](#) - Maemalynn, April 8, 2022

[Open Mainframe Project's 2021 Annual Report](#) - John Mertic, April 13, 2022

[Open Mainframe Project Launches Annual Summer Mentorships](#) - Maemalynn, April 15, 2022

[I am a Mainframer: Jose Castano](#) - Dana Reeves, April 20, 2022

[Mainframe Open Education – Help Us Help the Next Generation of Mainframers](#) - By Open Mainframe Project, April 22, 2022

[Meet the New Open Mainframe Ambassadors](#) - Maemalynn, April 29, 2022

[Making Our Strong Community Stronger](#) - Open Mainframe Project, May 4, 2022

[Ubuntu Server 22.04 LTS for IBM zSystems and LinuxONE](#) - Open Mainframe Project, May 6, 2022

[Integrating Tessia for Self-Provisioning of Linux Distributions on Z](#) - Open Mainframe Project, May 11, 2022

[COBOL Touches Our EveryDay Lives](#) - Open Mainframe Project, May 13, 2022

[Avoid Installing Open Source Malware in Your Enterprise \(video\)](#) - Open Mainframe Project, May 18, 2022

[Lesson learned: Always Listen to Mom](#) - Maemalynn, May 25, 2022

[Open Mainframe Project Announces Major Technical Milestone with Zowe's Long Term Support V2 Release](#) - Maemalynn, May 26, 2022

[Where my Journey Started and Where it's Going](#)

- Open Mainframe Project, May 27, 2022

[I am a Mainframer: Misty Decker](#) - By Dana

Reeves, May 30, 2022

[Asian American And Pacific Islander Heritage Month](#) - John Mertic, May 31, 2022

[Zowe Gets Chatty](#) - Open Mainframe Project, June 3, 2022

[Open Source Unlocks Mainframe Data: In Situ Analytics with GenevaERS](#) - Open Mainframe Project, June 8, 2022

[COBOL Check – the Unit Testing Framework for COBOL \(Video\)](#) - Open Mainframe Project, June 15, 2022

[Mainframe Open Education Aims to Help Bridge the Skills Gap \(Video\)](#) - Open Mainframe Project, June 17, 2022

[I am a Mainframer: Lisa Dyer](#) - Dana Reeves, June 22, 2022

[Zowe LTS V2 \(Video\)](#) - Joe Winchester, Member of the Zowe Community, Open Mainframe Project Ambassador and Senior Technical Lead at IBM, June 23, 2022

The 10th annual Open Source Jobs Report is Now Available! - Dan Brown, Senior Manager, Content & Social Media, Linux Foundation Training & Certification, June 29, 2022

[Feilong: The Open Source API for z/VM Automation \(Video\)](#) - Open Mainframe Project, July 6, 2022

[Secure Development Practices within Zowe](#)

- Jakub Balhar, Chair of the Zowe Technical Steering Committee and Principal Product Owner at Broadcom, July 8, 2022

[Neurodiversity: Diversity You Cannot See](#) -

Maemalynn, July 20, 2022

[Join us for Zowe Innovation Week!](#) - Jakub Balhar, Chair of the Zowe Technical Steering Committee, July 22, 2022

[I am a Mainframer: David Jeffries](#) - By Dana Reeves, July 27, 2022

[Walking the Open Source Trail Toward Supply Chain Integrity and Security \(Video\)](#) - Open Mainframe Project, July 29, 2022

[z/OSMF Workflows For Smooth Zowe Configuration](#) - Jan Prikoda, an active Zowe community member and a product owner at Broadcom, August 3, 2022

[Open Mainframe Mentorship Summer 2022](#) - Yarille, August 5, 2022

[Zowe Day at SHARE Columbus](#) - Maemalynn, August 10, 2022

[Mainframe Open Education: My Journey as a Summer Mentee](#) - Tiiso Senosha, Open Mainframe Project Summer 2022 Mentee, August 12, 2022

[I am a Mainframer: Eddy Ciliendo](#) - Dana Reeves, August 17, 2022

[Zowe Reaches World-Wide Milestone](#) - Jakub Balhar, Chair of the Zowe Technical Steering Committee, August 19, 2022

[5 Reasons You Don't Want to Miss IBM zDay](#) -

Open Mainframe Project, August 24, 2022

[How to Avoid Unconscious Bias to Become a Better Colleague \(Video\)](#) - Open Mainframe Project, August 31, 2022

[Diversity @ Open Mainframe Summit](#) - By Maemalynn, September 2, 2022

[Zoweians – let's meet at Open Mainframe Summit!](#) - Susan Remmert, September 7, 2022

[Congratulations, Gabriele Columbro & Welcome Linux Foundation Europe!](#) - John Mertic, Director of Program Management, Open Mainframe Project, September 14, 2022

[Open Mainframe Project Launches New Working Group Focusing on Mainframe Modernization](#) - Maemalynn, September 21, 2022

[Open Mainframe Project's Linux Distribution Working Group](#) - Maemalynn, September 22, 2022

[Open Mainframe Project announces New COBOL Study & Sponsorship Opportunities](#) - Maemalynn, September 22, 2022

[Securing the Software that Matters \(Video\)](#) - Open Mainframe Project, September 28, 2022

[I am a Mainframer: Patrick Stanard](#) - Dana Reeves, September 30, 2022

[Bridge Gaps and Ignite the Spark for Growth: How DEI Creates Value in the Mainframe Industry \(Video\)](#) - Open Mainframe Project, October 5, 2022

[Zowe™ Chat can make you more productive \(Video\)](#) - Domenico D'Alertio, a leader in the Zowe Technical Community and Principal Product Manager at IBM, October 7, 2022

[Mainframe Modernization Can Transform Your Business \(Video\)](#) - Open Mainframe Project, October 12, 2022

[Closing the Skills Gap Through Mainframe Optimization](#) - Keelia Estrada Moeller, Senior Editor at TechChannel, October 14, 2022

[I am a Mainframer: Leonard Santalucia](#) - Dana Reeves, October 19, 2022

[Zowe Innovation Week](#) - Jakub Balhar, Chair of the Zowe Technical Steering Committee, October 21, 2022

[Zowe Software Development Kits](#) - Michael Bauer, Zowe CLI Squad Lead, member of the COBOL Programming Course TSC and Senior Product Owner at Broadcom, October 26, 2022

[The Sustainability Trailblazers \(Video\)](#) - Open Mainframe Project, October 28, 2022

[Zowe Chat v1.0.0 Technical Preview – Download it today!](#) - Domenico D'Alterio, a leader in the Zowe Technical Community and Principal Product Manager at IBM, November 2, 2022

[Mentorship: Allyship at its Best \(Video\)](#) - Maemalynn, November 4, 2022

[Words Matter](#) - Maemalynn, November 9, 2022

[Zowe Reaches CNA Security Milestone](#) - Jakub Balhar, Chair of the Zowe Technical Steering

Committee and Product Marketing Manager at Broadcom, November 11, 2022

[Open Mainframe Project Launches Applications for 2023 Ambassadors](#) - John Mertic, November 17, 2022

[Zowe Reaches Orbit – Now What Mission Control? \(Video\)](#) - Open Mainframe Project, November 18, 2022

[I am a Mainframer: Enzo Damato](#) - Dana Reeves, November 22, 2022

[Learning COBOL is Much More than just taking a Class \(Video\)](#) - Open Mainframe Project, November 23, 2022

[Cyber Monday Deals – Up to 65% off on Linux Foundation Training Courses!](#) - Open Mainframe Project, November 28, 2022

[Feilong: The Open Source API for z/VM Automation](#) - Open Mainframe Project, November 30, 2022

[Neurodivergency and the Mainframe](#) - Cynthia Coupe, CEO, Outreach Advocacy Resources and Services (OARS), Inc, December 7, 2022

[Calling all COBOL community vendors and patrons!](#) - John Mertic, December 9, 2022

[Zowe Success Stories](#) - Open Mainframe Project, December 14, 2022

[Open Mainframe Project Use Case: Bankdata](#) - Open Mainframe Project, December 16, 2022

[I am a Mainframer: Bryan Foley](#) - Dana Reeves, December 22, 2022

Zowe Medium Blogs

Zowe Blog Series In 2020, the Zowe community launched their own blog series on medium. Any and all community members are welcome to contribute content that goes through a technical review process by volunteers from the Zowe community. Additionally, Open Mainframe Project Ambassador Joe Winchester, a member of the Zowe Advisory Council who holds several other Zowe titles, also volunteered to be lead editor and review all blogs for branding and technical accuracy.

[Tips: Running z/OS REXX from Zowe CLI \(Faster\)](#) - Dan Kelosky, Jan 19, 2022

[Migrating Zowe CLI Plug-ins for v2 Conformance](#) - Timothy Johnson, Jan 4, 2022

[Governing of Zowe Engineering](#) - Boris Petkov, Jan 26, 2022

[Building Extensions for Zowe containerization](#) - Adarshdeep Cheema, Jan 18, 2022

[Top 5 Reasons to be Excited about Zowe](#) - David McNierney, Feb 22, 2022

[IntelliJ for Mainframe Powered By Zowe](#) - Michael Bauer, Mar 1, 2022

[Install and setup Zowe on Windows Subsystem for Linux](#) - Venkat Avinash, Mar 27, 2022

[Better Mainframe Automation using Zowe CLI and Python](#) - Petr Plavjaník, Mar 28, 2022

[Running Zowe CLI on Jenkins with Docker](#) - Petr Plavjaník, Mar 29, 2022

[Writing Your First Zowe CLI Script](#) - Dan Kelosky, Apr 20, 2022

[Welcome Zowe version 2 LTS](#) - Joe Winchester, May 3, 2022

[z/OSMF Workflows For Smooth Zowe Configuration](#) - Jan Prihoda, May 16, 2022

[Zowe™ Gets Chatty](#) - Bruce, May 24, 2022

[Secure Development Practices within Zowe](#) - Jakub Balhar, June 17, 2022

[10 Major Enhancements to the Zowe Explorer for IBM CICS](#) - Jeffin Siby, Jul 12, 2022

[Three Ways to Remotely Call REXX \(TSO/E & OPS\) Using Zowe CLI](#) - Dan Kelosky, Jul 13, 2022

[Accessing z/OS from your Tekton Pipeline](#) - Andrew Smithson, Jul 25, 2022

[Zowe Software Development Kits](#) - Michael Bauer, Aug 4, 2022

[Zowe CLI extensions enable workload automation](#) - Domenico D'Alterio, Aug 25, 2022

[Deploying REXX with Jenkins, Docker, & Zowe CLI](#) - Dan Kelosky, Sep 1, 2022

[Measuring Zowe's Success](#) - Boris Petkov, Sep 6, 2022

[Zowe™ Chat can make you more productive: user scenarios](#) - Domenico D'Alterio, Sep 21, 2022

[Zowe Enhances the API Consumer Experience with Code Snippets](#) - Andrea Tabone, Sep 27, 2022

[Zowe Explorer for IBM CICS: CICSLibrary Resource](#) - Rajpreet Gill, Sep 29, 2022

[Using Zowe client SDK for Python](#) - Venkat Avinash, Oct 1, 2022

[Building a Web UI and REST API w/Zowe Node.js SDK to Run TSO Commands](#) - Dan Kelosky, Oct 5, 2022

[Teaching an old dog to hunt in the new world of Zowe™](#) - Domenico D'Alterio, Oct 5, 2022

[Introducing ZEBRA — get to know RMF using modern JSON format](#) - Yongkook Kim, Oct 18, 2022

[Using Zowe to create Prometheus metrics](#) - Venkat Avinash, Oct 25, 2022

[Personal Access Tokens for the Zowe API Mediation Layer](#) - Boris Petkov, Nov 10, 2022

[Two Peas in a Pod — Endevor and the Zowe API Mediation Layer](#) - Elliot Jalley, Nov 15, 2022

[Finally — A Modern Interface for Mainframe is Available to All](#) - IBA Group, Nov 18, 2022

[Zowe™ CLI extension for IBM Z System Automation](#) - Domenico D'Alterio, Dec 2, 2022

[Mainframe Modernization? What does it mean?](#) - Venkat Avinash, Dec 11, 2022

Open Mainframe Summit videos

All videos are available on demand below or on the Open Mainframe Project Youtube Channel.

Keynotes:

[Keynote: Learning COBOL is Much More than Just Taking a Class](#) - Misty Decker, Micro Focus

[Keynote: Welcome + Opening Remarks](#) - John Mertic, The Linux Foundation

[Keynote: Neurodivergency and the Mainframe: A Parallel Universe](#) - Cynthia Coupé, CEO, Outreach Advocacy Resources and Services, Inc

[Keynote: Zowe Reaches Orbit, Now What Mission Control?](#) - Peter Wassel & George DeCandio, Broadcom

[Keynote: Mainframe Modernization Can Transform Your Business](#) - Alan Clark, SUSE

[Keynote: Hybrid Cloud Strategy with Mainframe Transformation at its Core](#) - Pat Stanard, Kyndryl

[Keynote: The Sustainability Trailblazers](#) - Nada Santiago, Principal Product Manager, IBM LinuxONE

[Keynote: Bridge Gaps and Ignite the Spark for Growth: How Diversity, Equity and Inclusion \(DEI\) Creates Value in the Mainframe Industry](#) - Sharra Owens-Schwartz, Vice President, Inclusion, Diversity & Equity, Rocket Software

[Keynote: Mentorships: Allyship at Its Best](#) - John Mertic, Director of Program Management, The Linux Foundation; Jakub Balhar, Broadcom; Elizabeth Joseph & Mike Friesenegger, SUSE

[Keynote: Welcome + Opening Remarks \(Day 2\)](#)

John Mertic, The Linux Foundation

Sessions:

[COBOL: Past, Present and Future](#) - Misty Decker & Derek Britton, Micro Focus

[Do You Have APIs? Understanding Mainframe APIs and How to Use Them](#) - Elliot Jalley, Broadcom

[Customer Success Stories Incorporating Zowe in Their z/OS Transformation and Modernization Journeys](#) - Joe Winchester, IBM

[How to Monitor and Manage Mainframe and Storage Performance Metrics Utilizing Voice and OpenSource Software Tools](#) - Moderated by Len Santalucia, Vicom Infinity

[AI on Linux on zSystems](#) - Andreas Krebbel, IBM

[Zowe Gets Chatty!](#) - Domenico D'Alterio, IBM

[Streamlining Mainframe Monitoring with Advanced Machine Learning](#) - Mohit Dadu & John Hart, Broadcom

[Meet the Future of COBOL](#) - Hartanto Ario Widjaya, Singapore Management University; Caitlin Mooney, New Jersey Institute of Technology; Jade Walker, M&T Bank; Angie Rositilia Mejia, East Carolina University

[Introducing the Linux Distributions Working Group](#) - Elizabeth K. Joseph, IBM & Sarah-Julia Kriesch, Accenture

[Managing Changing Business Requirements](#)

[with Continuous Modernization in Hybrid Environments](#) - Venkat Pillay, Cloudframe

[Demystified: Put Your Web App on the Zowe Desktop in a Flash](#) - Robert Blum, Phoenix Software International

[Modernizing Mainframe Application Development with Git](#) - Anthony Anter, DevOps Evangelist and Technologist, BMC

[Real Zebra Use Cases in Large Production Systems](#) - Yongkook Kim, IBM & Fernando Zangari, Kyndryl

[Safe Cloud Native Services in the World of Zero Trust](#) - Alan Clark, SUSE

[Mainframe Open Education - Fostering the Stewardship of Education Resources](#) - Kelle Veverka, Broadcom & Pat Stanard, Kyndryl

[Bringing Kubernetes Container Orchestration to Mainframe Servers](#) - Mike Friesenegger & Venkata Krishna Rohit Sakala, SUSE

[Diversity in Tech Luncheon](#) - Sponsored by Broadcom

Speakers:

- Cynthia Coupé, CEO, Outreach Advocacy Resources and Services, Inc
- Sharra Owens-Schwartz, Vice President, Inclusion, Diversity & Equity, Rocket Software
- Byron Smith, Vice President, Sr. Mainframe Security Engineer, Systems Technology, M&T Bank
- Kelle Veverka, Program Manager, Education, Broadcom

[A Framework to Automate Cybersecurity Controls and Regulatory Checks on IBM zSystems and LinuxONE Environments](#) -

Pradeep Parameshwaran, IBM

[Zowe \(r\)evolution with V2 and Beyond](#) - Jakub Balhar, Broadcom & Dominico D'Alterio, IBM

[Feilong: The Open Source API for z/VM Automation](#) - Mike Friesenegger, SUSE

[Lockdown: Zero-Trust Architecture with Zowe's API Mediation Layer](#) - Jakub Balhar, Broadcom

[Managing Open Source Vulnerabilities on Mainframe](#) - Emre Tunar, Broadcom

[A Secure Development Workflow for Mainframe Open Source Projects](#) - Joe Bostian, IBM

[No Compromise! Safeguarding Your Mainframe Software Supply Chain](#) - Greg MacKinnon & Mary Ann Furno

[Now that Mainframe Has Embraced the Open Source Revolution Are You Realizing the Benefits?](#) - Jan Prihoda, Broadcom

[Integrate the Mainframe into Your Broader IT Security Strategy](#) - Que Magnus, Micro Focus

[The New Workforce: Integrating the Next Generation With the Greatest Generation](#) - Spencer Hallman, BMC

Making our Strong Community Stronger videos

Diversity You Cannot See: Neurodiversity in the Mainframe Workplace (July 27, 2022) -

- Moderator: Cynthia Coupé, the co-founder and CEO of Outreach Advocacy Resources and Services (OARS)
- Kenneth Ellington, Software Engineer at Broadcom;
- Ben Vanhook, Programs and Outreach Associate at Organization for Autism Research
- Chelsea Asaro, SourceAbled Solutions Manager at Rangam Consultants.

Leveraging Holistic Approaches & Importance of Belonging Across the Tech Ecosystem (Feb 23, 2022)

- Dr. Gina Bullock, Assistant Professor, North Carolina A&T State University
- Chinedu Ibeh, Corporate Vice President, Enterprise Compute Services, New York Life
- Byron Smith, Senior Mainframe Security Engineer, Systems Technology Banking Officer, M&T Bank
- Nicole Nwakalor, Specialist, Systems Engineering, Infrastructure, Operations and Cloud, Charles Schwab
- Moderator: Dr. Gloria Chance, president and CEO, Mousai Group

How Personal Experiences Shape Corporate Inclusion (April 28) - Panelists include:

- Ashley Peterson, product marketing manager, IBM Z and LinuxONE, IBM
- Jeff Henry, vice president, Product Management and Design, Mainframe Software Division, Broadcom
- Sharra Owens-Schwartz, inclusion, diversity and equity senior director, Rocket Software
- Jerry Chuaypradit, manager, IBM Z Enterprise Networking Solutions, IBM
- Moderator: Dr. Gloria Chance, president/CEO, The Mousai Group

Words Matter: The Language of Diversity, Understanding, and Acceptance (Nov 16) -

- Moderator Dr. Gloria Chance, President/CEO of The Mousai Group, Panelists:
- Alysha M. Campbell, CEO, CultureShift HR
- Michael Daubman, Director Product Management, Broadcom Mainframe Software
- Shahed Alqadi, Project Manager, BMC Software
- Jane Kerzhenetseva, Delivery Manager & Inclusion Lead, Rocket Software

Diversity, Equity, Inclusive & Belonging Blogs

How Culture Impacts Experiences - Maemalynn, April 8, 2022

5 Mainframe Mavens - Open Mainframe Project, March 8, 2022

Making Our Strong Community Stronger - Open Mainframe Project, May 4, 2022

Lesson learned: Always Listen to Mom - Maemalynn, May 25, 2022

Where my Journey Started and Where it's Going - Alex Kim, May 27, 2022

Asian American And Pacific Islander Heritage Month - John Mertic, Director of Program Management at the Linux Foundation, May 31, 2022

Neurodiversity: Diversity You Cannot See - Maemalynn, July 20, 2022

Diversity @ Open Mainframe Summit - Maemalynn, September 2, 2022

How to Avoid Unconscious Bias to Become a Better Colleague (Video) - Open Mainframe Project, August 31, 2022

Bridge Gaps and Ignite the Spark for Growth: How DEI Creates Value in the Mainframe Industry (Video) - Open Mainframe Project, October 5, 2022

Words Matter - Maemalynn, November 9, 2022

Neurodivergency and the Mainframe - Cynthia Coupe, CEO, Outreach Advocacy Resources and Services (OARS), Inc, December 7, 2022

Webinars

ZOWE Quarterly Webinars

- [Zowe Q2 Webinar \(June 2022\)](#)
- [Zowe Quarterly Webinar \(September 2022\)](#) - Rose Sakach (Broadcom), Domenico D'Alterio (IBM), Mark Ackert (Broadcom), Michael DuBois (Zowe Advisory Council)
- [Zowe Q4 Webinar \(Dec 2022\)](#) - Rose Sakach (Broadcom), Uladzislau Kalesnikau (IBA Group), Valiantsin Krus (Valentine) (IBA Group), Mike DuBois
- COBOL Programming Course
- [COBOL Programming Course Q1 Webinar](#) - Rune Christensen (Bankdata), Sudharsana Srinivasan (IBM), Michael Bauer (Broadcom), Joe Winchester (IBM), Paul Newton (IBM), Hartanto Widjaya (Singapore Management University)
- [COBOL Programming Course Q2 Webinar](#) - Dr. Cameron Seay
- [COBOL Q3 Webinar \(September 2022\)](#) - Sudharsana Srinivasan (IBM), Mike Bauer (Broadcom), Paul Newton (IBM), Joe Winchester (IBM), Hartanto Widjaya (member of the COBOL Programming Technical Steering Committee), Sainath Rao (Open Mainframe Project 2022 Summer Mentee)
- [COBOL Programming Course Q4 Webinar \(Dec 2022\)](#) - Michael Bauer, (Broadcom), Sudharsana Srinivasan (IBM), Hartanto Widjaya (COBOL Programming Course Community Member), Paul Newton (IBM), Joe Winchester (IBM), Elizabeth

Joseph (IBM), Tiiso Senosha (Mainframe Open Education member), Janos Varga (Community Member)

The Fourth Industrial Revolution



[COBOL Touches Our Everyday Lives](#)

- Guest: Sudharsana Srinivasan | Mike Bauer, Project: COBOL Programming Course/Open Mainframe Project, Jan 6, 2022

[COBOL is Driving The World's Economy | Interview With The COBOL Working Group](#)

Group: Reg Harbeck, founding member of the COBOL Working Group, Derek Britton, co-chair of the COBOL Working Group, and Dr. Cameron Seay, also co-chair of the COBOL Working Group with Swapnil Bhartiya , CEO & Founder TFiR Media, Mar 4, 2022

[Ambitus Helps Developers Create Open Source Solutions On IBM Z](#)

- Joe Bostian, Chair, Ambitus Project - OPEN Mainframe Project, Apr 6, 2022

[Cobol Check Simplifies Fine-Grained Unit Testing For COBOL | Dave Nicolette](#)

- Guest: Dave Nicolette, Projects: COBOL Check | Open Mainframe Project, Apr 21, 2022

[What Does COBOL Check's Roadmap Look Like For The Coming Year?](#)

- Dave Nicolette, Programmer and Chair of Open Mainframe Project's COBOL, May 12, 2022

- [What Systems Are Compatible With COBOL Check?](#) - Dave Nicolette, Programmer and Chair of Open Mainframe Project's COBOL, May 5, 2022

- [Call For Proposals Open For Open Mainframe Summit, Philadelphia | Donna Hudi](#) - Donna Hudi, Chief Marketing Officer at Phoenix Software, a member of the Open Mainframe Project Marketing Committee and a member of the Open Mainframe Summit 2022 Program Committee, May 11, 2022

- [What Does COBOL Check's Roadmap Look Like For The Coming Year?](#) - Dave Nicolette, Programmer and Chair of Open Mainframe Project's COBOL, May 12, 2022

- [Feilong Project Makes z/VM More Accessible To Developers | Mike Friesenegger](#) - Mike Friesenegger, Chair, the Feilong Project & Solution Architect - Alliances & Integrated Systems - SUSE, May 26, 2022

- [Feilong Project Helps Developers Interact With z/VM Hypervisor Without In-Depth Knowledge](#) - Mike Friesenegger, Chair, the Feilong Project & Solution Architect - Alliances & Integrated Systems - SUSE, June 2, 2022

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Open Mainframe Project Announces Schedule for the 3rd Annual Open Mainframe Summit on September 21-22 in Philadelphia, PA



BY: VERONICA HAGGARD ON AUGUST 26, 2022 — 0 COMMENTS

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IBM Continues to Demonstrate Commitment to Sustainability at Open Mainframe Summit Event



by Steven Dickens | September 22, 2022



The News: IBM recently launched the 4th generation of its LinuxONE servers and took the opportunity to further demonstrate its commitment to sustainability during the recent Open Mainframe Summit event by announcing a code donation to the community of a sustainability dashboard.

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"The world of the mainframe remains vibrant and dynamic. Through the good efforts of the Linux Foundation's Open Mainframe Group, the power of open source is helping to keep the mainframe compatible with the latest technologies and more relevant and powerful than ever. We are proud to partner with the Open Mainframe Group on our Techstrong TV show, The Open Mainframe." - Alan Shimel, CEO, TechStrong Group

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Mainframe : une initiative de modernisation à la Fondation Linux

Clement Bohic, 23 septembre 2022, 9:52



L'Open Mainframe Project dédie un groupe de travail à la question de la modernisation. La collaboration entre distributions Linux fait l'objet d'une autre initiative.

La « modernisation » des mainframes, c'est quoi au juste ? Sept fournisseurs dont Broadcom, IBM et Micro Focus vont travailler à une « définition commune ». Leur cadre de réflexion : un [groupe de travail](#) au sein l'Open Mainframe Project.

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About the Open Mainframe Project

The Open Mainframe Project is intended to serve as a focal point for deployment and use of Linux and Open Source in a mainframe computing environment.

With a vision of Open Source on the Mainframe as the standard for enterprise class systems and applications, the project's mission is to build community and adoption of Open Source on the mainframe by eliminating barriers to Open Source adoption on the mainframe, demonstrating value of the mainframe on technical and business levels, and strengthening collaboration points and resources for the community to thrive. Learn more about the project at

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

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