

# Meetings

Meetings are held on the 2nd Tuesday of the month. Announcements for upcoming meetings with joining information and precise time are sent to the mailing list and tracked on the [team calendar](#).

## 14 May 2024

Recording: [https://zoom.us/rec/share/t4\\_CEHJmzn3LO3TOXRcpNZY0oB32oWYGpayAT-X6MFz5BCv8gskzTWIn-rVvMqJS.6TJaSWDvMxc\\_xRVM](https://zoom.us/rec/share/t4_CEHJmzn3LO3TOXRcpNZY0oB32oWYGpayAT-X6MFz5BCv8gskzTWIn-rVvMqJS.6TJaSWDvMxc_xRVM)

Attendees:

- Elizabeth (Lyz) K. Joseph (IBM)
- Daniel Horak (Fedora)
- Ulrich Weigand (IBM)
- Sarah Julia Kriesch (openSUSE)

Agenda:

- Elizabeth presented at the Open Source Summit specifically about the working group with the angle of establishing niche WGs to help stem feelings of isolation by maintainers. But she noted that most of the Q&A was about open source development on the mainframe - there's an appetite for mainframe in the open source community!
- Daniel shared that Fedora 40 is out, but the cloud images aren't booting for s390x since the switch to kiwi from imagefactory to produce them, but they're looking into it
- Sarah shared that tests for openSUSE Leap for release in the summer are passing and doing well
- Sarah went to IBM Z Symposium 2024 got a feature request from a client about running the same binaries on Linux and z/OS, but currently users have to use separate compilers and the IBM proprietary one is the only one that works for z/OS
  - Ulrich shared that there's work in upstream LLVM to work as a compiler on z/OS, so in the future it may be possible to use it to cross-compile it for both operating systems, but this is not a supported path. A lot of work is happening in the LLVM code repositories on GitHub for those who are curious.
- At the symposium Sarah also spoke to some IBMers about access to an IBM z16, but it's not available publicly yet. Elizabeth is working on the case internally due to it being a popular request, particularly due to the AI capabilities they wish to leverage.
- Sarah shared that she's going to participate in the upcoming openSUSE conference, no talk on the schedule, but she'll take advantage of a lightning talk spot if it's available
- Elizabeth met with folks from Rocky Linux and AlmaLinux at the Texas Linux Fest and subsequently the IBM LinuxONE Open Source Software Cloud granted a couple VMs to AlmaLinux and facilitated the migration of Rocky Linux to the KVM environment. Sarah chimed in with some recommendations regarding resources for successful, fast builds on the platform, and Elizabeth took an action item to remind them both about this WG if they run into any challenges.

## 9 April 2024

Recording: [https://zoom.us/rec/share/g1S5xl3gUjUVCC1XSTnxPbB9b3xu36e8anj-UPVYta8qaJEC2l2QPKcczj3IT6w\\_.Mph33ukO2RnzXmtT](https://zoom.us/rec/share/g1S5xl3gUjUVCC1XSTnxPbB9b3xu36e8anj-UPVYta8qaJEC2l2QPKcczj3IT6w_.Mph33ukO2RnzXmtT)

Attendees:

- Elizabeth (Lyz) K. Joseph (IBM)
- Sarah Julia Kriesch (openSUSE)
- Daniel Horak (Fedora)

Agenda:

- Sarah just spoke at Grazer Linuxtage 2024, how'd it go? Went well!
- Elizabeth presenting on the WG at the Open Source Summit: <https://ossna2024.sched.com/event/1aK2u>
- openSUSE 15.6 beta is looking good and on track for release (July-ish)
- Fedora 40 is on track for a release (next week or so)
- GTK problem noted previously with colors couldn't be replicated on openSUSE, but it may be some other library or version mismatch, Elizabeth will follow up with Gayathri about what the plan is (drop support in Debian?)
- Ubuntu has .NET packages for the upcoming 24.04 release via Launchpad PPA: <https://launchpad.net/~mateus-morais/+archive/ubuntu/dotnet8.0.102-s390x> Elizabeth will follow up with Frank about status and whether they're doing any announcement around it

## 12 March 2024

Recording: [https://zoom.us/rec/share/metqrwTjl0O6gaKVbhHTzZQ5TPH4QSAykrwQKCKKW43HroCmNXLIU04BPmjJVSq\\_.tKhDqksvgwvdyXyTy](https://zoom.us/rec/share/metqrwTjl0O6gaKVbhHTzZQ5TPH4QSAykrwQKCKKW43HroCmNXLIU04BPmjJVSq_.tKhDqksvgwvdyXyTy)

Attendees

- Elizabeth (Lyz) K. Joseph (IBM)
- Gayathri Berli (Debian)
- Vignesh (Redpanda upstream)
- Marcela Maslanova (SUSE)

- David Edelsohn (IBM)
- Neil Hanlon (Rocky Linux)
- Sarah Julia Kriesh (openSUSE)

#### Agenda

- On Debian librsvg depends on Cairo, Cairo depends on Pixman, so Gayathri has been working on the dependency chain to make sure all the support is in place
- Outstanding gtk bug: <https://bugs.debian.org/cgi-bin/bugreport.cgi?bug=1057782> & <https://gitlab.gnome.org/GNOME/gtk/-/issues/6260> - but do we really need this on s390x?
- All good from Rocky Linux and SUSE
- Vignesh brought up a dependency chain request via pytorch, which resulted in... <https://github.com/pytorch/pytorch/issues/99305>
  - VM request was made for Apache Arrow, which Lyz granted yesterday: <https://github.com/apache/arrow/issues/20102>
- The openSUSE mainframe is back! But still a bit slow, openSUSE release coming up in July so they're working to get back to full capacity and speed.
- Lyz will be presenting at the Southern California Linux Expo in March (<https://www.socallinuxexpo.org/scale/21x/presentations/will-your-open-source-project-run-mainframe-and-beyond>) which will include mention of the WG, and has a few other talks coming up in April
- Sarah will be presenting at Grazer Linuxtage 2024 in early April (in German): <https://pretalx.linuxtage.at/glt24/talk/KYDAVN/>

## 13 February 2024

Recording: [https://zoom.us/rec/share/Xpizk50h4N68GT4\\_KZ2Eg2-8uneQg2otqbM0RhKjQdUh60OtwX6SCiq0eBbXls.QOU5RQdTwd3N\\_sim](https://zoom.us/rec/share/Xpizk50h4N68GT4_KZ2Eg2-8uneQg2otqbM0RhKjQdUh60OtwX6SCiq0eBbXls.QOU5RQdTwd3N_sim)

#### Attendees

- Elizabeth K. Joseph (IBM)
- Sarah Julia Kriesh (openSUSE)
- Daniel Horak (Fedora)
- Marcela Maslanova (SUSE)
- David Edelsohn (IBM)
- Ulrich Weigand (IBM)
- Gayathri Berki (Debian)

#### Agenda

- Ingress-nginx issue: <https://github.com/kubernetes/ingress-nginx/issues/10498>
  - A dependency exists related to the Open Telemetry project, so Ruediger Schulze said he'd bring it up with them: <https://lists.openmainframeproject.org/g/wg-linux-distros/message/168>
- Sarah received some feedback at IBM TechXchange that there's a performance kernel bug, she shared that Ruediger is aware of a bug in the kernel that's causing some slowness, but we don't have a bug link handy.
- Elizabeth brought up the fact that BountySource is gone, so IBM no longer has a payment mechanism for one-off bug solving contributors. If anyone knows of other programs that exist, please let us know. Sarah mentioned German Unix User Group (GUUG) does some sponsorship, but David shared that it's likely not a great fit due the format of the program, we're looking for a way to post bugs to the community and allow developers to select them.
- Ulrich committed and merged s390x support (today!) for support for the LLVM Linker discussed at the last meeting: <https://github.com/llvm/llvm-project/commit/fe3406e349884e4ef61480dd0607f1e237102c74>

## 9 January 2024

Recording: [https://zoom.us/rec/share/LFPp63uwWotGO\\_qrHTxgurVXmIEQcpPlen5YmdK31zXOt7Xzpf57v0L5s6mqR9Ha.3m3GSvepTZaiR5lx](https://zoom.us/rec/share/LFPp63uwWotGO_qrHTxgurVXmIEQcpPlen5YmdK31zXOt7Xzpf57v0L5s6mqR9Ha.3m3GSvepTZaiR5lx)

#### Attendees

- Elizabeth K. Joseph (IBM)
- Sarah Kriesch (openSUSE)
- Ulrich Weigand (IBM)
- Daniel Horak (Fedora)
- Marcela Maslanova (SUSE)

#### Agenda

- Is follow-up needed re: kubernetes/ingress-nginx potential removal? <https://github.com/kubernetes/ingress-nginx/issues/10498>
  - The project was granted a long-lived IBM LinuxONE Open Source Program VM in early January
- Gtk4, librsvg removal risk via GNOME, Debian <https://lists.openmainframeproject.org/g/wg-linux-distros/message/156>
  - Ulrich noted that the Debian team IBM has in India is working on this and they discovered that between version 140 and 142 something broke big Endian in pixel processing, the images that come out are wrong
  - At this point, the problem is identified, it's just complicated, and the fix may be a few dependencies down
- unicorn <https://lists.openmainframeproject.org/g/wg-linux-distros/message/157>
  - Sarah Julia was able to recreate the issue before Christmas, Ulrich's team was also looking into it and feels like the solution should be fairly straightforward
- Should we have a ticketing system to manage items brought up on the mailing list, and at meetings?
  - Agreed: Not at this stage, everything we're working on is already tracked in tickets upstream, and easy to keep track of via mailing list and meetings
- Ulrich shared some LLD (LLVM Linker) support for s390x has been submitted as a patch, so anything depending upon it should start working once that lands: <https://github.com/llvm/llvm-project/pull/75643>

- Elizabeth brought up <https://gitlab.gnome.org/jrb/crosswords/-/issues/118> as a lower priority issue, but one that may be easier for us to fix due to expertise in the area and would demonstrate some good will in the community

## 14 November 2023

Recording: [https://zoom.us/rec/share/ySBYiTZDDVdkjKD1Izoq8iZh37VtroV3yWuOPTSX\\_RCI-ZIXkKBgtXMRgnvMeml.RaiHBFb87I9Dsohs](https://zoom.us/rec/share/ySBYiTZDDVdkjKD1Izoq8iZh37VtroV3yWuOPTSX_RCI-ZIXkKBgtXMRgnvMeml.RaiHBFb87I9Dsohs)

### Attendees

- Elizabeth K. Joseph (IBM)
- Daniel Horak (Fedora)
- Berthold Gunreben (GSE Linux and z/VM Working Group)
- Ulrich Weigand (IBM)
- Sarah Kriesch (openSUSE)

### Agenda

- As proposed by Berthold at our October meeting, we now have a web forum: <https://community.openmainframeproject.org/c/linux-s390x/17> in addition to our mailing list for collaboration.
- Daniel would like to see more distros involved/discussing path toward dracut changes outlined in <https://github.com/dracutdevs/dracut/pull/2534>
- The public openSUSE Build Service (OBS) resources for s390x uses part of a mainframe that SUSE has, provided by IBM, but resources have been reduced build node-wise, and is causing delays in builds.
  - The IBM LinuxONE Open Source Cloud may be able to help here, but they need deeper resources than just VMs, and are requesting access to an LPAR.
  - Configuration and performance concerns were also discussed, and more data is needed to see why there is some slowness, this will be followed up by the openSUSE team with contacts in IBM (Elizabeth to collect Sarah, Ulrich, and Berthold on an email thread to see who else needs to be engaged with this evaluation).
- Note: Kubernetes is using OBS for release management <https://kubernetes.io/blog/2023/10/10/cri-o-community-package-infrastructure/>
  - Video: <https://www.youtube.com/watch?v=BreVpPPW9zQ>
  - Slides: [https://docs.google.com/presentation/d/1phUs6bctGmU3\\_fJ6lxlSvbN64itlc02UJNm8PNDquP0/edit?usp=sharing](https://docs.google.com/presentation/d/1phUs6bctGmU3_fJ6lxlSvbN64itlc02UJNm8PNDquP0/edit?usp=sharing)
  - Not an issue right now, but may become resource-constrained if building moves there.

## 10 October 2023

Recording: [https://zoom.us/rec/share/99VudDAVtpm\\_0ixl7TjwlEuiJ-3rG-AV3IKwQj5jVLzSkmqllcCd6j3\\_cfw8Ry7\\_.1jwJW6Zv6Psos9S\\_](https://zoom.us/rec/share/99VudDAVtpm_0ixl7TjwlEuiJ-3rG-AV3IKwQj5jVLzSkmqllcCd6j3_cfw8Ry7_.1jwJW6Zv6Psos9S_)

### Attendees

- Elizabeth K. Joseph (IBM)
- Sarah Kriesch (openSUSE)
- Daniel Horak (Fedora)
- Neil Hanlon (Rocky Linux)
- Jijo George (IBM Tessia Project)
- Berthold Gunreben (GSE Linux and z/VM Working Group)

### Agenda

- Elizabeth and Sarah gave 1 talk about openQA in the SDLC of Linux Distributions as part of the OMS and spoke together in a Panel Discussion about Open Source (from zowe to ansible) at the IBM TechXChange 2023
- **z/VM and Linux Working Group at GSE**

- Newcomers were asking for forum or exchange about Linux on zSystems
- Partners at IBM and Co Chair thought about new forum to fragment these users
- Next year there is a conference, where to introduce that.
- Mailing list is the wrong place for that. Berthold does not know, whether this WG is the correct place.
- There is already a proposal for the new forum. Link: <https://community.openmainframeproject.org/>

Additional category: Linux

- Elizabeth has got less experience with forums. We need notifications about new threads.

Anybody has to be active there.

Berthold and others want to be active there. (discussed with Wilhelm Mild)

We can receive additional qualified people with Linux knowledge having an eye on all topics.

Neil has got the idea with Discourse for receiving emails and exchange

- Sarah is suggesting keeping up the mailing list for Developers and using Discourse/Forum for users.
- Neil: Tries to get software zeek packaged on Fedora:

<https://src.fedoraproject.org/rpms/zeek/pull-request/1>

- openSUSE: Enablement of python-onnx for AI on Telum processors (within containers):

[https://bugzilla.suse.com/show\\_bug.cgi?id=1215337](https://bugzilla.suse.com/show_bug.cgi?id=1215337)

## 8 August 2023

Recording: <https://zoom.us/rec/share/oK4hckkDRynjLKFTS08F4QE3kaRB-Y8RoIGf5qxTYwjHnjYrZ0qRoRjtG1Hdqy4.yY3P0aYrZedShjO->

### Attendees

- Elizabeth K. Joseph (IBM)
- Sarah Kriesch (openSUSE)
- David Edelsohn (IBM)
- Ulrich Weigand (IBM)
- Daniel Horak (Fedora)

### Agenda

- Talk accepted at OMP Summit in Las Vegas, any additions? <https://openmainframeproject.org/event/open-mainframe-summit-las-vegas/>
- Sarah met Berthold noted he might reach out to Lyz (hasn't yet) about more collaboration with the WG? <https://www.gse.org/german-workinggroups/svmdx-z-vm-kvm-and-linux-on-ibm-zsystems-linuxone/>
- Fedora 38 - Neovim LuaJIT support not activated for s390x - [https://bugzilla.redhat.com/show\\_bug.cgi?id=2222911](https://bugzilla.redhat.com/show_bug.cgi?id=2222911) - question to IBM, are there any plans to further support on this?
  - Lyz will look into where the mentorship in the summer of 2022 went with Neale F. from AlmaLinux went, but the PR in question may be related to this and the issue may be acceptance upstream
  - There were some bounties, and patches have been accepted upstream over time, Ulrich and David shared that the maintainer wasn't always willing to accept them, but Ulrich will also look into IBM efforts
- WebKit: Crashes and infinite recursion in JSC::LLInt::CLoop::execute on s390x
  - [https://bugs.webkit.org/show\\_bug.cgi?id=259569](https://bugs.webkit.org/show_bug.cgi?id=259569)
  - They need access to an s390x system, which is something that IBM can support through the open source cloud, shared <https://www.ibm.com/community/z/open-source/virtual-machines-request/>
  - Discussion as to who precisely would run this (WebKit project infrastructure team? Someone at Red Hat?), but Daniel will follow up on this
  - <https://trac.webkit.org/wiki/EarlyWarningSystem> (docs) and <https://ews-build.webkit.org> (actual CI instance)
- New Debian contributors from IBM
  - Gayathri Berli just joined, and she will be getting familiar with the Debian community, working with Vishwa, Dipak is still involved but externally from IBM

## 20 June 2023

Recording: [https://zoom.us/rec/share/bMxjLEHe\\_0sxpjyewuh4A1V82Q5WCuPGATMZM-1esUYXQAw5p1U4G889nKG9wIPH.dU3BkHc3gm3zKdFr](https://zoom.us/rec/share/bMxjLEHe_0sxpjyewuh4A1V82Q5WCuPGATMZM-1esUYXQAw5p1U4G889nKG9wIPH.dU3BkHc3gm3zKdFr)

### Attendees

- Elizabeth K. Joseph (IBM / Debian)
- Sarah Kriesch (openSUSE)
- Vignesh (various upstream)
- Daniel Horak (Fedora)
- David Edelsohn (IBM)

### Agenda

- Recording from openSUSE conference will be uploaded at the end of the month, about 20 people attended the presentation
- Linux Distributions Collaboration on the Mainframe at [Devconf.cz](https://devconf.cz) 2023 with about 15 participants, and good discussions <https://devconfcz2023.sched.com/event/1MYmY>
- David suggested coming up with list of reasons why the mainframe is a compelling application developer target - why is it worth their effort? May seem like a niche target, but it has a huge impact. Also, technically interesting.
  - Vignesh shared that DragonflyDB is planning to start building for s390x, they shared that their vertically scaled application is a good fit for the mainframe
  - Vignesh himself had a technical interest in porting applications for startups
  - Lyz had a talk accepted to All Things Open and this may be a good slide to include
- OMP CFP is open, Lyz & Sarah will brainstorm some ideas for a presentation <https://www.openmainframeproject.org/event/open-mainframe-summit-cfp>
- openSUSE Leap 15.5 released, Sarah to do some release blogging
- Debian 12 (bookworm) released with continued s390x support: <https://www.debian.org/releases/bookworm/s390x/release-notes/>
- David is going to a Tezos/OCaml meetup in NYC tonight to maintain engagement with that community
- Dan mentioned some issues with btrfs-progs which have now been fixed upstream: <https://github.com/kdave/btrfs-progs/issues/639>

## 16 May 2023

### Attendees:

- Elizabeth K. Joseph (IBM)

- Sarah Kriesch (openSUSE)
- Dipak Zope (Debian)

Agenda:

- Lyz and Dipak are working with the Debian CI folks to get a container on the build system so we can do some analysis and debugging of traffic /slowness concerns they're seeing <https://lists.debian.org/debian-s390/2023/05/msg00000.html>
- openSUSE conference coming up May 26 - 28, 2023, and Sarah is speaking on "The Mainframe: An alternative platform for openSUSE" <https://events.opensuse.org/conferences/oSC23/program/proposals/4058> which includes a section about this WG!

## 11 April 2023

Attendees

- Elizabeth K. Joseph (IBM)
- Sarah Kriesch (openSUSE)
- Vignesh (Redpanda upstream)
- Dipak Zope (Debian)
- Dan Horak (Fedora)
- David Edelsohn (IBM)
- Neil Hanlon (Rocky Linux)

Agenda:

- Sarah submitted a talk to openSUSE conf and confirmed that the issue in her latest mail to the list has been resolved
- Neil of Rocky Linux said some s390x builds are slow/fail but can be nudged along, will follow-up with Lyz soon about trying a KVM guest in the LinuxONE open source cloud environment
- Vignesh provided update on his progress with Redpanda (see mailing list: <https://lists.openmainframeproject.org/g/wg-linux-distros/message/106>)
  - David chimed in about ongoing dpdk work/issues
- On the topic of OpenMPI Sarah shared: [https://build.opensuse.org/package/live\\_build\\_log/openSUSE:Factory:zSystems/arpack-ng:openmpi1/standard/s390x](https://build.opensuse.org/package/live_build_log/openSUSE:Factory:zSystems/arpack-ng:openmpi1/standard/s390x)
- Vignesh mentioned: <https://www.fedoraproject.org/wiki/Changes/OstreeNativeContainerStable> from Fedora
- Lyz and Dipak to sync up about Debian CI needs

## 14 February 2023

Attendees

- Elizabeth K. Joseph (IBM)
- Sarah Kriesch (openSUSE)
- Dipak Zope (Debian)
- Dan Horak (Fedora)
- Ulrich Weigand (IBM)
- David Edelsohn (IBM)
- Nikolay Gueorguiev (SUSE)
- Louis Abel (Rocky Linux)

Agenda

- Sarah spoke at FOSDEM
  - Video available: [https://fosdem.org/2023/schedule/event/open\\_mainframe\\_project/](https://fosdem.org/2023/schedule/event/open_mainframe_project/)
  - Good Q&A, connection with CentOS Stream
  - Elizabeth is looking forward to working with more in-person events this year, since that's where we can make connections
- Debian
  - <https://lists.debian.org/debian-s390/2023/02/msg00000.html>
  - <https://lists.debian.org/debian-s390/2023/02/msg00007.html>
  - We don't actually know where/what all the builders are, and where they live, so Elizabeth will dig into that
  - Kernel hangs in a backported kernel, fix is in-progress
  - CI system email from Paul

## 10 January 2023

Attendees:

- Sarah Kriesch (openSUSE)
- Dipak Zope (Debian)
- Nikolay Gueorguiev (SUSE)
- Louis Abel (Rocky Linux)
- Daniel Horak (Fedora)
- David Edelsohn (IBM)
- Ulrich Weigand (IBM)
- Mark Post (SUSE)

Excused:

- Elizabeth Joseph (IBM)

Agenda:

- Interviews:
  - Panel discussion video available: [Video Interview - Panel Discussion](#)
  - Interview with Elizabeth and Sarah at Open Mainframe Summit: [Interview at Open Mainframe Summit](#)
- Sarah is accepted for a [presentation](#) in the distributions dev room at FOSDEM on Sunday, 5 February 2023, at 11:00 (Hybrid Conference).
- qore is available for s390x again
- libcds/firebird: First time, that the build for s390x is successfully, but x86 not (there was a change in package dependencies): [firebird build for openSUSE](#)
- x server (x application to x server): Changes required
  - It has to be handled on distro side instead of x86 (virtual graphic card)
  - perhaps long term solution with support for virtual gpu (Ulrich will ask)
- frame pointer option enabling (already forwarded and approved with some changes)
  - performance improvement with profiling for everyone
  - [Fedora document](#)
  - [Mailing list discussion 1](#)
  - [Mailing list discussion 2](#)
- Debian has got a new s390x Contributor

## 15 November 2022

Attendees

- Elizabeth K. Joseph (IBM)
- Sarah Kriesch (openSUSE)
- Dan Horak (Fedora)
- Ulrich Weigand (IBM)
- David Edelsohn (IBM)
- Mark Post (SUSE)
- Nikolay (SUSE)

Agenda

- Administrative
  - Renewed for another year
  - Video interview later today with Sarah, Ulrich, Lyz
- Red Hat release last week, Fedora this weeks
- .NET 7 is now available, being worked on for RHEL, Fedora, Alpine, and Ubuntu
- No news on the Debian side, just working through typical bugs
- Welcome Nikolay from SUSE to the group, Mark is getting him up to speed.

## 10 October 2022

Attendees:

- Elizabeth K. Joseph (IBM)
- Sarah Kriesch (openSUSE)
- Dan Horak (Fedora)
- Dipak Zope (Debian)
- David Edelsohn (IBM)
- Mark Post (SUSE)

Agenda:

- The Open Mainframe Summit presentation about this WG is now up at <https://www.youtube.com/watch?v=L30SBSYL79Q>
- Open Mainframe Project published the following about the group: <https://www.openmainframeproject.org/blog/2022/09/22/linux-distribution-working-group>
- Mark asked about device interrupts for virtual card readers that were ignored by the kernel, Ulrich notified us that a patch is forthcoming: [https://lists.openmainframeproject.org/g/wg-linux-distros/topic/getting\\_the\\_kernel\\_to\\_handle/93705540](https://lists.openmainframeproject.org/g/wg-linux-distros/topic/getting_the_kernel_to_handle/93705540)
- David asked whether anyone had customer/client implementations or requirements around DPDK, Daniel of Fedora said there may have been a need inside Red Hat around OpenShift, and Sarah had heard of a use case with openSUSE and vlans. David is looking to get movement on more enablement support from IBM.
- Work is continuing on D language support (related to [https://lists.openmainframeproject.org/g/wg-linux-distros/topic/d\\_language\\_becomes\\_a/93674866](https://lists.openmainframeproject.org/g/wg-linux-distros/topic/d_language_becomes_a/93674866)), a bug has been opened by Dan at <https://github.com/ldc-developers/ldc/issues/4171>
- Folks from Happy Minds Lab are in the queue to receive a VM from L1CC to help with work on Debian

## 12 September 2022

Attendees:

- Elizabeth K. Joseph (IBM)
- Dan Horak (Fedora)
- Dipak Zope (Debian)
- Louis Abel (Rocky Linux)
- David Edelsohn (IBM)
- Sarah Kriesch (openSUSE)

Agenda:

- Lyz and Sarah are speaking at Open Mainframe Summit about the WG
  - Video will be public online in a couple months (registration is required, if anyone wants a discount code, contact Lyz)
- Dipak asked if anyone has ideas of how to go about increasing using base
  - Dan shared that there are people hitting the s390x mirror, so there are users
  - openSUSE is doing that mentoring session at GHC and does other events to help promote
- IBM zDay is coming up, Sarah and Lyz are speaking: <https://ibm.biz/ibmzday-2022>

## 8 August 2022

Attendees:

- Elizabeth K. Joseph (IBM)
- Sarah Kriesch (openSUSE)
- Dipak Zope (Debian)
- David Edelsohn (IBM)
- Mark Post (SLES)
- Dan Horak (Fedora)
- Neil Hanlon (Rocky Linux)
- Ulrich Weigand (IBM)

Agenda:

- Events
  - Open Mainframe Summit September 21-22
    - Lyz and Sarah presenting on the WG: <https://oms2022.sched.com/event/157eY?iframe=no>
- Outstanding bugs/issues
  - openJDK 17 is integrated with openSUSE, but working to get Open J9 into releases (currently just in tumbleweed, not leap), who will support it now that Open J9 is open source (not a technical issue)? Ulrich will talk to Tomas.
  - Mentioned at a previous meeting, and fixed! <https://bugs.openjdk.org/browse/JDK-8288128>
- Other business
  - Rocky Linux 9 is out, had some fixes to do but it's going well
  - Debian is moving along, postgres workaround fix has been explored workaround created for openSUSE, but a real fix for llvm is in the works (hopefully for llvm 16)
  - Fedora 37 is getting ready, no major changes to the toolchain so things are going well
  - SLES sp5 in the works, Rancher on zSystems release happened too
  - openSUSE zSystems folks will be at the Open Source Day at Grace Hopper in September!

## 13 June 2022

Attendees

- Sarah Kriesch (openSUSE)
- Elizabeth K. Joseph (IBM)
- Dan Horak (Fedora)
- Ihno Krumreich (openSUSE)
- David Edelsohn (IBM)
- Louis Abel (Rocky Linux)

Agenda:

- Events
  - Sarah at openSUSE conference in Nuremberg
  - Open Mainframe Summit proposal submitted
  - [IBM zSystems Day - CFP](#) open, open and/or IBM LinuxONE track, we'll put together a proposal (submit by July 13)
- "changes for secondary ports in Go(lang)" <https://lists.openmainframeproject.org/g/wg-linux-distros/message/35>
  - Lyz will follow up internally at IBM to see if they're aware of this change
- "OpenJDK needs some attention" <https://lists.openmainframeproject.org/g/wg-linux-distros/message/38>
  - A bug, probably a few hours work to fix, but it does need attention.
- All packages are now building for Rocky Linux on s390x! Release is forthcoming for RL9, things are going well and they're looking forward to seeing folks use it

## 9 May 2022



Attendees:

- Sarah Kriesch (openSUSE)
- Rajendra Kharat (Debian)
- David Edelsohn (IBM)
- Elizabeth K. Joseph (IBM)
- Mark Post (SLES)
- Ulrich Weigand (IBM)
- Dipak Zope (Debian)
- Dan Horak (Fedora)

Agenda

- AlmaLinux 9 beta came out with s390x support: <https://almalinux.org/blog/almalinux-9-beta-now-available/>
- Fedora 36 release is on 10 May
- openSUSE conference coming up in Nürnberg, Germany and Sarah is giving her Collaboration instead of Competition talk: <https://events.opensuse.org/conferences/oSC22/program/proposals/3700>
- Sarah launched a discussion about additional hardware possibilities, beyond what RHEL, SUSE, and Ubuntu have proposed and are collaborating with IBM on, community input from what the distros are seeing
  - If the hardware has \$x feature, it may be interesting to see \$y business cases realized
  - Do new HMCs have optical drives for DVD-based installs? Interesting question for installation / maintenance from the distros.
- Remote desktop xrdp client isn't building on openSUSE: [https://build.opensuse.org/package/live\\_build\\_log/openSUSE:Factory:zSystems/xrdp/standard/s390x](https://build.opensuse.org/package/live_build_log/openSUSE:Factory:zSystems/xrdp/standard/s390x) (the server is fine, which is the more common use case)
  - Ulrich checked - upstream claims to support it, a patch went in in March 2021
  - FYI Fedora patch: <https://src.fedoraproject.org/rpms/xrdp/blob/rawhide/f/xrdp-0.9.16-arch.patch>
- Open Mainframe Project CFP: <https://events.linuxfoundation.org/open-mainframe-summit/program/cfp/>
  - Sarah and Lyz will work together on a proposal about the WG and progress being made, due June 10
  - If accepted, Lyz will present in person in Philadelphia
- Other upcoming events
  - June 2-4: openSUSE conference (Sarah is speaking, see above)
  - June 16-18: VM Workshop is in June (CFP already closed)
  - August 21-26: SHARE in August (CFP already closed)

## 11 April 2022

Attendees:

- Sarah Kriesch (openSUSE)
- Rajendra Kharat (Debian)
- David Edelsohn (IBM)
- Elizabeth K. Joseph (IBM)
- Mark Post (SLES)
- Ulrich Weigand (IBM)
- Dipak Zope (Debian)
- Dan Horak (Fedora)
- Louis Abel (Rocky Linux)

Agenda

- Alpine Linux, struggling with rustbuild (<https://gitlab.alpinelinux.org/alpine/tsc/-/issues/44>), Ulrich and his toolchain team at IBM understand the situation, this is a known issue but wasn't a priority until now. Tuan Hoang from IBM is a contact here and he is working on this. Someone will update the bug report.
- Debian <https://www.debian.org/News/2022/20220326>
- Debian needs continued support for their autopkgtest builder, they're having I/O problems and Lyz will follow-up to make sure they have the right resources.
- Welcome to Rocky Linux participant Lous Abel gave us a quick update - he said they started bootstrapping on the platform this past weekend.

## 14 March 2022

Attendees:

- Sarah Kriesch
- Rajendra Kharat
- David Edelsohn
- Elizabeth K. Joseph
- Mark Post
- Ulrich Weigand
- Dipak Zope

Agenda:

- llvm 13.0{0,1rc1} on s390x: failed to JIT module: Added modules have incompatible data layouts - <https://github.com/llvm/llvm-project/issues/53009>
  - Including workaround: [https://build.opensuse.org/package/view\\_file/openSUSE:Factory:zSystems/postgresql14/0001-jit-Workaround-potential-datalayout-mismatch-on-s390.patch?expand=1](https://build.opensuse.org/package/view_file/openSUSE:Factory:zSystems/postgresql14/0001-jit-Workaround-potential-datalayout-mismatch-on-s390.patch?expand=1)
- Debian configurations to look into



```
#  
  
# Processor type and features  
  
#  
  
CONFIG_HAVE_MARCH_Z900_FEATURES=y  
  
CONFIG_MARCH_Z900=y  
  
# CONFIG_MARCH_Z990 is not set  
# CONFIG_MARCH_Z9_109 is not set  
# CONFIG_MARCH_Z10 is not set  
# CONFIG_MARCH_Z196 is not set  
# CONFIG_MARCH_ZEC12 is not set  
# CONFIG_MARCH_Z13 is not set  
# CONFIG_MARCH_Z14 is not set  
# CONFIG_MARCH_Z15 is not set  
  
CONFIG_MARCH_Z900_TUNE=y  
  
CONFIG_TUNE_DEFAULT=y  
  
# CONFIG_TUNE_Z900 is not set  
# CONFIG_TUNE_Z990 is not set  
# CONFIG_TUNE_Z9_109 is not set  
# CONFIG_TUNE_Z10 is not set  
# CONFIG_TUNE_Z196 is not set  
# CONFIG_TUNE_ZEC12 is not set  
# CONFIG_TUNE_Z13 is not set  
# CONFIG_TUNE_Z14 is not set  
# CONFIG_TUNE_Z15 is not set
```

- General discussion: Are there other goals we wish to see for this working group?
  - Group will consider and discuss at next meeting.

## 14 February 2022

### Attendees:

- Elizabeth K. Joseph
- Sarah Kriesch
- Mark Post
- David Edelsohn
- Frank Heimes
- Ulrich Weigand
- Dipak Zope

### Agenda:

- Welcome and introductions
- FOSDEM talk by Sarah, recording and slides: [https://fosdem.org/2022/schedule/event/collaboration\\_instead\\_of\\_competition/](https://fosdem.org/2022/schedule/event/collaboration_instead_of_competition/)
  - Others are welcome to give talks! Just keep us all in the loop so the Open Mainframe Project can help support and promote the talks.
- Bugs across distributions:
  - [https://bugzilla.opensuse.org/show\\_bug.cgi?id=1193889](https://bugzilla.opensuse.org/show_bug.cgi?id=1193889) from OpenSUSE bug tracker, but there's one internally to IBM (for those who have access) [https://bugzilla.linux.ibm.com/show\\_bug.cgi?id=196109](https://bugzilla.linux.ibm.com/show_bug.cgi?id=196109)
  - Debian installer issue with different glibc version than currently ships, related error
    - Jan 23 06:16:24 s390-zfcp[3825]: WARNING \*\*: Could not open directory: /sys/bus/ccw/drivers/zfcp/: No such file or directory
    - Jan 23 07:00:20 main-menu[347]: (process:3632): unknown udeb mmc-modules
    - Jan 23 07:00:20 main-menu[347]: (process:3632): parted\_devices: /lib/s390x-linux-gnu/libc.so.6: version `GLIBC\_2.33' not found (required by /lib/libparted.so.2)
    - Look into the public Debian build system? And folks handling that. Also folks working on D-I in general.

- Lyz and Dipak will look into where in Debian they need to dig in more to get required builds for s390x updated.
- LLVM compile issues with Postgres
  - <https://bugs.debian.org/cgi-bin/bugreport.cgi?bug=1002029>
  - <https://github.com/llvm/llvm-project/issues/53009>
  - Likely related from openSUSE (w/ RHEL patch): [https://build.opensuse.org/package/view\\_file/openSUSE:Factory:zSystems/postgresql14/0001-jit-Workaround-potential-datalayout-mismatch-on-s390.patch?expand=1](https://build.opensuse.org/package/view_file/openSUSE:Factory:zSystems/postgresql14/0001-jit-Workaround-potential-datalayout-mismatch-on-s390.patch?expand=1)
- New instructions are being added to QMU by some efforts driven by IBM, but there are some issues with KVM & LLVM (wasn't able to capture more details here, can someone else fill in?)

## 10 January 2022

### Attendees:

- Elizabeth K. Joseph
- Sarah Kriesch
- Ihno Krumreich
- Divya Goswami
- Rajendra Kharat
- Ulrich Weigand
- David Edelsohn
- Dipak Zope

### Agenda:

- Welcome and Introductions
- Any other business

### Notes:

All project resources are listed at <https://wiki.openmainframeproject.org/display/LinuxDistrosWG>

### Introductions

Fedora is invited - confirmed

Invite Alpine to collaborate

Sarah is presenting at FOSDEM on LoZ, she will email the list when the schedule is live

Debian folks are working on d-i issues, currently struggling with some disk utilities, trying to bypass the GPG signing in d-i for development, Elizabeth will put them in touch with the Ubuntu folks to see if they know

Sarah mentioned that openSUSE is working on an installer issue with packages getting installed, but after the restart it to finish the installer (bootloader, etc) there is a problem.

David mentioned a systemd crash problem on Fedora Rawhide ([https://bugzilla.redhat.com/show\\_bug.cgi?id=1986176](https://bugzilla.redhat.com/show_bug.cgi?id=1986176)) - maybe related to the openSUSE problem? Sarah will look into their systemd situation.