



IBM TechXchange 2024 Community Day

Is that Available on the Mainframe? An Open Source Software Journey

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IBM

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What's an OSPO?

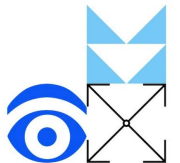


Open Source Program Office (<https://ospodefinition.org/>)

...so, for IBM Z & LinuxONE?

- Maintains relationships with open source projects
- Provides resources (VMs, documentation) and eases contributions (helps with bug reports, other issues)
- Runs initiatives like the Open Mainframe Project Linux Distributions Working Group & Software Discovery Tool
- Helps manage internal organization, strategy, and issue resolution across Linux, z/OS, z/VM...

I also answer “Does this run on IBM Z?” ***A lot.***





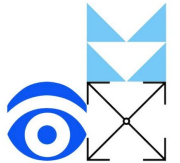
OPEN **MAINFRAME** PROJECT

Software Discovery Tool



Linux

- From [Package Distro Search](#): SLES, RHEL & Ubuntu
- [Maintained in-project](#): AlmaLinux, Debian, Fedora, openSUSE, Rocky Linux
- [IBM Validated Software List](#) for SLES, RHEL & Ubuntu
- [IBM Z and LinuxONE Container Registry](#)





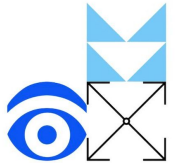
OPEN **MAINFRAME** PROJECT

Software Discovery Tool



IBM z/OS

- Open Mainframe Project software
 - including Ambitus projects
- Open source software from Rocket Software
- Manually sourced “general” list, including from github.com/IBM/IBM-Z-zOS/





OPEN **MAINFRAME** PROJECT

Software Discovery Tool

Software Discovery Tool helps match developers with the best open source software that meets their needs. Developers can search through open source software for zArchitecture/s390x for any Z operating system from any source, any repo, anywhere, in one place.

FAQ



Select Operating System:

- All Alma Linux ClefOS Debian Fedora IBM Z Validated IBM Z and LinuxONE Container Registry IBM z/OS™
 OpenSUSE RHEL Rocky Linux SUSE Package Hub SLES Suse Linux Enterprise Server Ubuntu

 Show Description

Enter the name of the package or at least three characters to enable pattern search. Wildcard (**) can be used either before or after the search keywords.

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




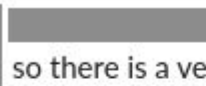




OPEN **MAINFRAME** PROJECT

Software Discovery Tool



Voila!

   12:04
so there is a version of MariaDB in the s390 version of the Linux distros?

 **Elizabeth Joseph** 12:08
Yes, looks like RHEL has MariaDB 10.5, SLES has 10.6, and Ubuntu has 10.11
(latest releases of each of those Linux distributions)



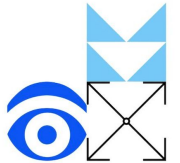


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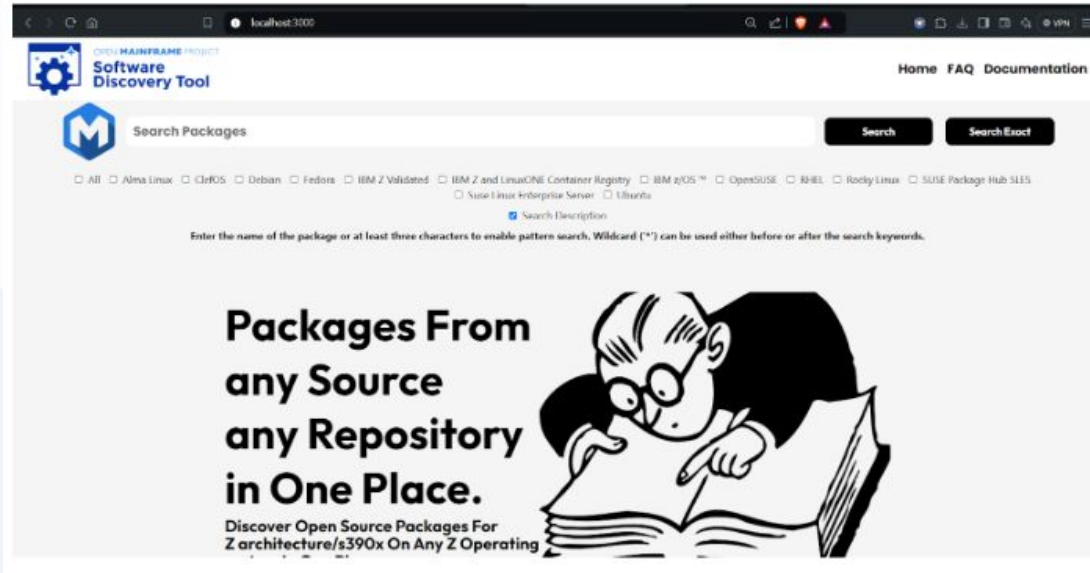
- More Open Mainframe Project software!
 - Regular refreshes (quarterly? monthly?)
 - zopen projects
 - Split out Ambitus projects
 - CBT Tape projects
- zigi
- Others? [Let us know!](#) And please help us out!



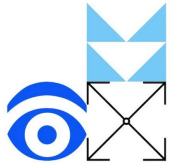


OPEN MAINFRAME PROJECT

Software Discovery Tool



Welcome to our new UI! Thanks to 2023/24 summer mentees.





Landscape



Open Mainframe Project Interactive Landscape



The Open Mainframe Project landscape (png, pdf) is dynamically generated below. It is modeled after the CNCF landscape and based on the same open source code. Please open a pull request to correct any issues. Greyed logos are not open source. Last Updated: 2024-10-16T14:27:35.

You are viewing 45 cards with a total of 4,684 stars and funding of \$4.7B.

Open Mainframe Landscape

Card Mode

Open Source Ecosystem

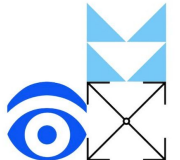
Members

Zowe Conformant

Zowe Conformant Support Provider

150%

| | Linux | z/VM | z/OS | Development Tools | Learning and Mentoring | Other | |
|----------|--------------------|-----------------------|--------------------|--------------------|------------------------|--------------------|-----------------------|
| Projects | OMP Incubating | OMP Working Group | OMP Sandbox | OMP Graduated | OMP Graduated | OMP Incubating | OMP Graduated |
| | OMP Incubating | OMP Incubating | OMP Incubating | OMP Sandbox | OMP Incubating | OMP Graduated | OMP Incubating |
| | OMP Incubating | OMP Incubating | OMP Incubating | OMP Incubating | OMP Incubating | OMP Incubating | OMP Working Group |
| | OMP Incubating | OMP Incubating | OMP Incubating | OMP Incubating | OMP Incubating | OMP Sandbox | OMP Sandbox |



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



Where else? Check the source!



Go to the open source project website.

- Is there a binary in their downloads?
 - Or “hidden” somewhere on their Git repository?
- Are there installation instructions for IBM Z or LinuxONE?
- Ask them directly
 - Not there yet? Asking helps projects know there's an appetite for it.





Where else? Talk to vendors!



Talk to ecosystem vendors.

- Several companies in our ecosystem maintain open source packages

I'm from IBM, so I know we have things like the IBM Open Enterprise Foundation for z/OS & a few tools repositories that are shared among developers who are in the know





Where else? Ask your community!



Ask other mainframers.

- At events
- On mailing lists / listservs / forums
- On chat servers





I'm not sure what I'm looking for...



Know what you want to do, but not what software?

Helpful search terms to append to your search:

- Open source
- IBM Z or LinuxONE
- s390x (*this is how open source projects refer to the architecture*)
- zArchitecture
- Operating system (Linux? z/OS? z/VM?)

Example search: [open source relational database for LinuxONE](#)





Is it supported?



“Support” can mean a lot of things!

Most open source software is provided as-is from the project.

Vendors can offer varying levels of support, so work with your vendor or a vendor developing the software you're looking at to identify what is offered and what your organization needs.



Open Mainframe Project enables this innovation



Active Open Mainframe Projects (4)



Incubation Open Mainframe Projects (7)



Sandbox Open Mainframe Projects (3)



Open Mainframe Project Working Group (3)



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

Experience more here at IBM TechXchange

Come to our IBM Z and LinuxONE Sandbox #850

Experience the world famous plexi and lego! Engage our SME's, demos, AMAs, community & skills

Join us for SPOTLIGHT #3062 Tues 8:30-9:30am

“ IBM Z & LinuxONE today and tomorrow: how AI is simplifying and shaping everything including zNext”

A snapshot of some of the other great topics

AI for mainframe app dev

New chip set, simplification & zNext

Mainframe AI assistant for ops

Threat detection & Cyber Vault

Otel, IntelliMagic & Insigma

All things Data & AI

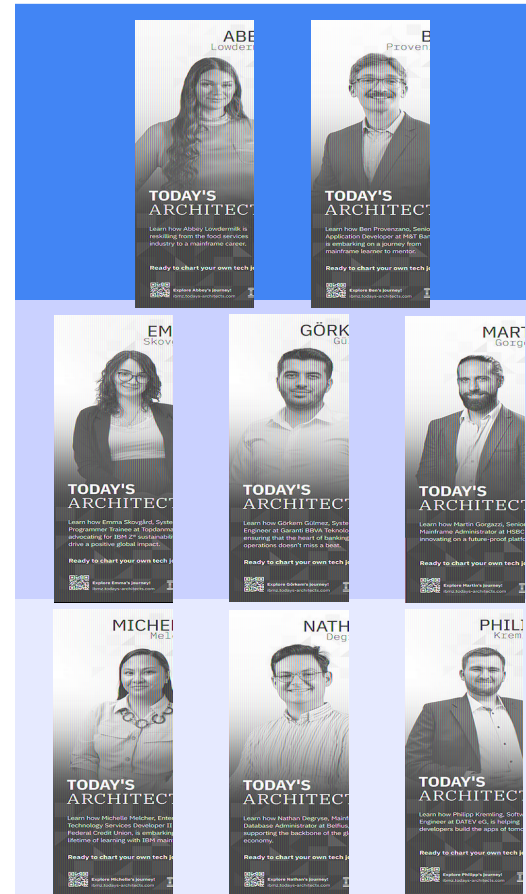
DevOps, testing & more

Skills, skills and more skills

[IBM Z and LinuxONE content in TechXchange catalog](#)



TODAY'S ARCHITECTS





Connect with Open Mainframe Project

