

z/OS Open Tools Feedback 2

01 Sep 2023 - 04 Aug 2024

Poll results

Table of contents

- z/OS Open Tools

z/OS Open Tools (1/2)

0 4 3

What new tools or libraries do you want to see ported to z/OS? Choose your top 5
(1/15)

Ant - A build automation tool primarily used for building Java applications and managing their dependencies.

 14 %

Apache Arrow - A cross-language development platform for efficient in-memory data interchange, enhancing data processing across different programming languages.

 2 %

boost - A collection of C++ libraries that provide support for various tasks, including data structures, algorithms, and more, enhancing C++ development.

 16 %

z/OS Open Tools (1/2)

0 4 3

What new tools or libraries do you want to see ported to z/OS? Choose your top 5
(2/15)

Ccache - A compiler cache tool that accelerates software builds by storing and reusing previously compiled object files.

 9 %

Caddy - An open-source web server known for its user-friendly configuration and automatic HTTPS support, simplifying website deployment and management.

 0 %

DragonFlyDB - a distributed database management system designed to provide high availability and scalability for applications that require reliable and efficient data storage and retrieval.

 2 %

z/OS Open Tools (1/2)

0 4 3

What new tools or libraries do you want to see ported to z/OS? Choose your top 5
(3/15)

eBPF - extends the capabilities of the operating system kernel with runtime-executed programs without needing to modify the kernel's source code.

2 %

Emacs - text editor

14 %

fzf - fuzzy finder tool that simplifies searching and navigating files and directories interactively

2 %

Gforth - A programming language and environment for developing and running Forth programs, which are often used for low-level and embedded systems programming.

2 %

z/OS Open Tools (1/2)

0 4 3

What new tools or libraries do you want to see ported to z/OS? Choose your top 5
(4/15)

GMP - A library for performing arbitrary-precision arithmetic calculations efficiently, commonly used in cryptography and mathematics software.

 2 %

htop - An interactive, real-time process viewer and system monitoring tool for the command line, offering an alternative to the traditional "top" command.

 19 %

Libffi - A library that provides a mechanism for calling functions in dynamic libraries written in different programming languages, often used in language runtime environments.

 9 %

z/OS Open Tools (1/2)

0 4 3

What new tools or libraries do you want to see ported to z/OS? Choose your top 5
(5/15)

iptables - A user-space command-line utility for configuring the Linux kernel's packet filtering and firewall rules, used to manage network traffic.

 7 %

MySQL - An open-source relational database management system (RDBMS) known for its performance, scalability, and reliability, widely used in web applications.

 9 %

NATS - A lightweight, high-performance messaging system for connecting applications and services in distributed and cloud-native environments.

 0 %

z/OS Open Tools (1/2)

0 4 3

What new tools or libraries do you want to see ported to z/OS? Choose your top 5
(6/15)

Neovim - A highly extensible text editor designed to improve upon the Vim text editor, offering enhanced features and plugins for developers.

 12 %

PostgreSQL - An open-source relational database management system (RDBMS) known for its robustness, extensibility, and support for advanced data types and features.

 14 %

procps (ps, top, watch) - A set of command-line utilities for monitoring and managing system processes, including tools like "ps," "top," and "kill."

 23 %

z/OS Open Tools (1/2)

0 4 3

What new tools or libraries do you want to see ported to z/OS? Choose your top 5
(7/15)

psmisc (fuser, killall, pstree) - A package of command-line utilities that provide additional process management and system administration tools for Linux, including "killall" and "fuser."

 2 %

PHP - A widely-used server-side scripting language designed for web development, often embedded in HTML to create dynamic web pages.

 5 %

R programming language - A programming language and environment primarily used for statistical analysis, data visualization, and machine learning.

 5 %

z/OS Open Tools (1/2)

0 4 3

What new tools or libraries do you want to see ported to z/OS? Choose your top 5
(8/15)

Rclone - A command-line program that provides a versatile way to manage and synchronize files to and from various cloud storage providers.

 5 %

ripgrep - A fast, recursive, and text-search tool that efficiently searches through files and directories using regular expressions.

 2 %

Rust - A systems programming language known for its safety features and performance, often used for developing low-level and high-performance applications.

 40 %

z/OS Open Tools (1/2)

0 4 3

What new tools or libraries do you want to see ported to z/OS? Choose your top 5
(9/15)

silver searcher - A code-searching tool that searches code files efficiently in a directory hierarchy, similar to "ripgrep" but optimized for speed.

 5 %

SSHPass - A command-line tool that allows providing an SSH password non-interactively when automating SSH connections.

 9 %

strace - A debugging utility for tracing system calls and signals made by a process, useful for troubleshooting and understanding program behavior.

 14 %

What new tools or libraries do you want to see ported to z/OS? Choose your top 5
(10/15)

Terraform - An infrastructure-as-code tool that allows users to define and provision infrastructure resources using a declarative configuration language.

 5 %

Tmux - A terminal multiplexer that enables users to create and manage multiple terminal sessions within a single terminal window.

 12 %

Valgrind - A programming tool for memory debugging, memory leak detection, and profiling of C and C++ programs.

 16 %

whereis - A command-line utility that locates the binary, source, and manual page files for a specified command.

 7 %

z/OS Open Tools (1/2)

0 4 3

What new tools or libraries do you want to see ported to z/OS? Choose your top 5
(11/15)

Wireguard-Go - An implementation of the WireGuard VPN protocol in the Go programming language, known for its simplicity and security.

2 %

zsh - A popular Unix shell that offers advanced features and customization options for command-line users.

21 %

zig - A systems programming language designed for performance, safety, and ease of use, aiming to combine the best features of C and modern languages.

0 %

z/OS Open Tools (1/2)

0 4 3

What new tools or libraries do you want to see ported to z/OS? Choose your top 5
(12/15)

grpc - An open-source, high-performance remote procedure call (RPC) framework for efficient communication between distributed systems and services, using Protocol Buffers (protobufs) for defining service interfaces

 2 %

ffmpeg - A versatile multimedia framework and command-line tool used for recording, converting, and streaming audio and video.

 2 %

haskell - A statically typed, purely functional programming language known for its strong type system, purity, and immutability, often used in academia, research, and commercial software development for its correctness and maintainability benefits

 5 %

z/OS Open Tools (1/2)

0 4 3

What new tools or libraries do you want to see ported to z/OS? Choose your top 5
(13/15)

libevent - A library for event notification and callback execution, commonly used in networking applications for efficient event-driven programming.

 2 %

poco - A set of open-source C++ libraries and frameworks for building networked, cross-platform applications.

 0 %

nginx - A high-performance, open-source web server and reverse proxy server known for its speed, scalability, and configurability.

 7 %

z/OS Open Tools (1/2)

0 4 3

What new tools or libraries do you want to see ported to z/OS? Choose your top 5
(14/15)

krb - A network authentication protocol designed to secure communication over a non-secure network, commonly used for single sign-on (SSO) authentication.

0 %

libgit2 - A portable, pure C library that provides Git repository management functionality, allowing developers to interact with Git repositories programmatically.

0 %

Coreutils (port remaining tools such as cat)

23 %

doxygen - document generator for source trees

2 %

z/OS Open Tools (1/2)

0 4 3

What new tools or libraries do you want to see ported to z/OS? Choose your top 5
(15/15)

rsync (preserve file tag attributes)



gradle - build automation tool



Any tools not listed here?

- Gradle? Still contemplating this
- Gradle for a standard z/OS build framework
- vscode server component (so you can use remote ssh as an editor option)
- df (a more modern version that supports -h)
- I know there's already an existing Kerberos on z/OS. Not sure what a krb port brings to the table. I think Terraform (or OpenTofu now?) may already

be in the process of being ported as part of the z/OS containers project. There's zsh port in the works already (maybe its in 3.1? I forget).

- maven