

The s390 aka system z port of OpenJdk

The goal of this project is to provide a full-featured and certifiable Linux/s390x port of OpenJDK in the main OpenJDK development branch. Once this is achieved, this project will maintain the port in the head repository and all releases in maintenance.

Ongoing work

IBM is maintaining the port in `jdk/jdk`, `jdk21u`, `jdk17u`, `jdk11u` and further new releases.

Contributions

Contributions to the port are always welcome. We maintain some issues in the OpenJDK Jira, feel free to address any of these:

[Proposed enhancements](#)

[Bugs and all other issues](#)

People

See [OpenJDK census](#)

Supported features

The table lists in which JDK version the support for the feature was added.

	linux
template interpreter	9
C2 compiler	9
C1 compiler	9
Servicability agent	9
Class Data Sharing	11
Java Flight Recorder	11
Epsilon GC	11
JVMCI / graal	no
ZGC / Shenandoah	no
recognizes z14 and z15 processors	17
Vector API	no
loom	no
panama	21.0.2

Status

In [2024](#), JDK 22 has been released.

In [2023](#), JDKs 21 and 20 have been released. Support for Panama was implemented and reached 21 in 21.0.2.

In [2022](#), JDKs 19 and 18 have been released. Support for `jdk 11` and `17` was continued.

In [2021](#), JDKs 17 and 16 as well as the security updates for 11, 15 and 16 have been released. Support of the new processors z14 and z15 has been implemented. SAP terminated its efforts for the s390 platform after release of 17 and for 11 after update 11.0.12.

In [2020](#), JDK 14 and 15 have been released as well as the security updates for 11, 13, 14 and 15. A row of bugs have been fixed. GHASH intrinsics were implemented.

SAP does not actively maintain the port in the long-term-support releases of JDK 13 and 15.

In [2019](#), JDK 12 and 13 have been released, as well as the security updates for 11, 12 and 13.

In [2018](#), JDK 10 and **JDK 11** have been **released** for `linuxs390x`. Since JDK 11 **Class Data Sharing and Java Flight Recorder are supported**. Many issues have been fixed.

In [2017](#) JDK 9 has been released for `linuxs390x`.

In [November 2016](#) the port has been integrated into the jdk9/hs repository. It passes the jtreg and jck test suites in a similar scope as other platforms.

Resources

- [s390x Port Project](#)
- [Repository](#)
- Mailing list: [s390x-port-dev](#)

Recent space activity



[Goetz Lindenmaier](#)

The s390 aka system z port of OpenJdk updated Apr 30, 2024 [view change](#)

JDK 9 and the s390x port updated Jan 14, 2019 [view change](#)



[Iris Clark](#)

The s390 aka system z port of OpenJdk updated Jun 15, 2016 [view change](#)

Space contributors

- [Goetz Lindenmaier](#) (55 days ago)
- [Iris Clark](#) (2930 days ago)