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.

**Ongoing work**

IBM is maintaining the port in jdk/jdk, jdk17, 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

**Supported features**

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

<table>
<thead>
<tr>
<th>Feature</th>
<th>JDK version</th>
</tr>
</thead>
<tbody>
<tr>
<td>template interpreter</td>
<td>9</td>
</tr>
<tr>
<td>C2 compiler</td>
<td>9</td>
</tr>
<tr>
<td>C1 compiler</td>
<td>9</td>
</tr>
<tr>
<td>Servicability agent</td>
<td>9</td>
</tr>
<tr>
<td>Class Data Sharing</td>
<td>11</td>
</tr>
<tr>
<td>Java Flight Recorder</td>
<td>11</td>
</tr>
<tr>
<td>Epsilon GC</td>
<td>11</td>
</tr>
<tr>
<td>JVMI / graal</td>
<td>no</td>
</tr>
<tr>
<td>ZGC / Shenandoah</td>
<td>no</td>
</tr>
<tr>
<td>recognizes z14 and z15 processors</td>
<td>17</td>
</tr>
<tr>
<td>loom</td>
<td>no</td>
</tr>
<tr>
<td>panama</td>
<td>no</td>
</tr>
</tbody>
</table>

**Status**

SAP terminates its efforts for the s390 platform after release of 17 and update 11.0.12.

- In **2021** (status of April), JDK 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.
- 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 linuxx390x. 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 linuxx390x.
- 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 Jan 11, 2023
view change
JDK 9 and the s390x port updated Jan 14, 2019

Iris Clark
The s390 aka system z port of OpenJdk updated Jun 15, 2016
view change

Space contributors

- Goetz Lindenmaier (302 days ago)
- Iris Clark (2703 days ago)