

Supported Build Platforms

About build platform support

In an open-source community, for a build platform to be supported, someone has to step up and support it. This page intends to list what platforms the open-source JDK can build on, and who (if anyone) in the community is supporting those platforms.

Oracle defines a number of build platforms, with carefully specified versions of operating systems, compilers and other build tools. If you report a failure to build on any of these platforms, the report will be processed with high priority from the build team in Oracle. Under normal circumstances, a build on any of these platforms will always succeed.

In addition to the build platforms supported by Oracle, the JDK can normally be built on many other platforms. For these platforms, there is no guarantee from Oracle that the build will succeed. The Oracle build team can help to solve some problems encountered, but only on a best-effort basis. In addition to the Oracle build team, other companies and individuals in the OpenJDK Community are welcome to help with making the JDK compile on these platforms, and can of course make similar commitments like the one Oracle has made. Please keep this page up to date with any such efforts.

The supported build platforms are listed below. Note that build support is different for different versions of the JDK. We welcome updates from the community to this list. If you have succeeded (or not!) in building the JDK on a platform that is substantially different from the ones already listed, please document your experience in the list.

JDK 22 build platforms supported by Oracle

| OS and CPU | OS Type /Vendor | OS Version | Compiler/Toolchain Type /Vendor | Compiler/Toolchain Version | Notes |
|----------------|-------------------------|-------------|---------------------------------|----------------------------|---|
| Linux x86_x64 | Oracle Enterprise Linux | 6.4/8.x | gcc | 11.2.0 | Build platform is OEL 8.x but using sysroot (headers and libs) from 6.4 |
| Linux aarch64 | Oracle Enterprise Linux | 7.6/8.x | gcc | 11.2.0 | Build platform is OEL 8.x but using sysroot from OL7.6 |
| macOS | macOS | 13.x | XCode / clang | 14.3.1 | |
| Windows x86_64 | Windows | Server 2016 | Microsoft Visual Studio | 2022 17.1.0 | |

Other JDK 22/23 build platforms

★ Works correctly ⭐ Works partially or workaround(s) needed ❌ Does not work

Please help us expand this table!

| Platform | Status | OS Type/Vendor | OS Version | Compiler/Toolchain Type/Vendor | Compiler/Toolchain Version | Notes / Workarounds |
|-------------------|--------|--------------------------|------------|--------------------------------|----------------------------|---------------------|
| Linux x86_64 | ★ | Suse SLES | 15.4 | gcc | 11.3.0 (devkit) | Maintained by SAP |
| Linux ppc64le | ★ | RHEL | 8.4 | gcc | 11.3.0 (devkit) | Maintained by SAP |
| Linux aarch64 | ★ | Ubuntu | 22.04 | gcc | 11.3.0 (devkit) | Maintained by SAP |
| Linux x86_64 musl | ★ | Alpine | 3.17 | gcc | 12.2.1 | Maintained by SAP |
| macOS x86_64 | ★ | macOS | 11.7.10 | XCode / clang | 13.1 (devkit) | Maintained by SAP |
| macOS aarch64 | ★ | macOS | 13.6.1 | XCode / clang | 13.1 (devkit) | Maintained by SAP |
| Windows x86_64 | ★ | Microsoft Windows Server | 2022 | Microsoft Visual Studio | 2019 (devkit) | Maintained by SAP |
| AIX ppc64 | ★ | IBM AIX | 7.2 | Open XL / clang | 17.1.1.4 | Maintained by SAP |
| Linux s390x | ★ | Ubuntu | 22.04 | gcc | 11.4.0 | Maintained by IBM |

JDK 21 build platforms supported by Oracle

| OS and CPU | OS Type /Vendor | OS Version | Compiler/Toolchain Type /Vendor | Compiler/Toolchain Version | Notes |
|---------------|-------------------------|------------|---------------------------------|----------------------------|---|
| Linux x86_x64 | Oracle Enterprise Linux | 6.4/7.x | gcc | 11.2.0 | Build platform is OEL 7.x but using sysroot (headers and libs) from 6.4 |
| Linux aarch64 | Oracle Enterprise Linux | 7.6/8.x | gcc | 11.2.0 | Build platform is OEL 8.x but using sysroot from OL7.6 |
| macOS | macOS | 12.x | XCode / clang | 12.4 | |

| | | | | | |
|----------------|---------|-------------|-------------------------|-------------|--|
| Windows x86_64 | Windows | Server 2016 | Microsoft Visual Studio | 2022 17.1.0 | |
|----------------|---------|-------------|-------------------------|-------------|--|

Other JDK 21 build platforms

★ Works correctly ⭐ Works partially or workaround(s) needed ❌ Does not work

Please help us expand this table!

| Platform | Status | OS Type/Vendor | OS Version | Compiler /Toolchain Type/Vendor | Compiler /Toolchain Version | Notes / Workarounds |
|-------------------|--------|---|------------|---------------------------------|-----------------------------|-------------------------|
| Linux x86_64 | ★ | Suse SLES | 15.4 | gcc | 11.3.0 (devkit) | Maintained by SAP |
| Linux ppc64le | ★ | RHEL | 8.4 | gcc | 11.3.0 (devkit) | Maintained by SAP |
| Linux aarch64 | ★ | Ubuntu | 22.04 | gcc | 11.3.0 (devkit) | Maintained by SAP |
| Linux x86_64 musl | ★ | Alpine | 3.17 | gcc | 12.2.1 | Maintained by SAP |
| macOS x86_64 | ★ | macOS | 13.4 | XCode / Clang | 13.1 (devkit) | Maintained by SAP |
| macOS aarch64 | ★ | macOS | 11.6.1 | XCode / Clang | 13.1 (devkit) | Maintained by SAP |
| Windows x86_64 | ★ | Microsoft Windows Server | 2022 | Microsoft Visual Studio | 2019 (devkit) | Maintained by SAP |
| Windows aarch64 | ★ | Microsoft Windows Server Datacenter Azure Edition | 2025 | Microsoft Visual Studio | 2022 (devkit) | Maintained by Microsoft |
| AIX ppc64 | ★ | IBM AIX | 7.2 | XLC/xlclang++ | 17.1.1.4 | Maintained by SAP |
| Linux s390x | ★ | Ubuntu | 22.04 | gcc | 11.3.0 | Maintained by IBM |
| AIX ppc64 | ★ | IBM AIX | 7.2 | XLC/xlclang++ | 16.1 / 17.1.1 | Maintained by IBM |

JDK 19 and 20 build platforms supported by Oracle

| OS and CPU | OS Type /Vendor | OS Version | Compiler/Toolchain Type /Vendor | Compiler/Toolchain Version | Notes |
|----------------|-------------------------|-------------|---------------------------------|----------------------------|---|
| Linux x86_x64 | Oracle Enterprise Linux | 6.4/7.x | gcc | 11.2.0 | Build platform is OEL 7.x but using sysroot (headers and libs) from 6.4 |
| Linux aarch64 | Oracle Enterprise Linux | 7.6/8.x | gcc | 11.2.0 | Build platform is OEL 8.x but using sysroot from OL7.6 |
| macOS x86_64 | macOS | 10.15.x | XCode / clang | 12.4 | |
| macOS aarch64 | macOS | 12.x | XCode / clang | 12.4 | |
| Windows x86_64 | Windows | Server 2016 | Microsoft Visual Studio | 2022 17.1.0 | |

Other JDK 20 build platforms

★ Works correctly ⭐ Works partially or workaround(s) needed ❌ Does not work

Please help us expand this table!

| Platform | Status | OS Type/Vendor | OS Version | Compiler/Toolchain Type/Vendor | Compiler/Toolchain Version | Notes / Workarounds |
|----------------|--------|--------------------------|------------|--------------------------------|----------------------------|---------------------|
| Linux x86_64 | ★ | Suse SLES | 15.4 | gcc | 11.3.0 (devkit) | Maintained by SAP |
| Linux ppc64le | ★ | RHEL | 8.4 | gcc | 11.3.0 (devkit) | Maintained by SAP |
| Linux aarch64 | ★ | Ubuntu | 22.04 | gcc | 11.3.0 (devkit) | Maintained by SAP |
| macOS x86_64 | ★ | macOS | 11.17 | XCode / Clang | 13.1 (devkit) | Maintained by SAP |
| macOS aarch64 | ★ | macOS | 11.6.1 | XCode / Clang | 13.1 (devkit) | Maintained by SAP |
| Windows x86_64 | ★ | Microsoft Windows Server | 2022 | Microsoft Visual Studio | 2019 (devkit) | Maintained by SAP |

| | | | | | | |
|-------------|---|---------|-----|---------------|-------|-------------------|
| Linux s390x | ★ | RHEL | 7 | gcc | 8.2.1 | Maintained by IBM |
| AIX ppc64 | ★ | IBM AIX | 7.2 | XLC/xlclang++ | 16.1 | Maintained by IBM |

JDK 17 and 18 build platforms supported by Oracle

| OS and CPU | OS Type /Vendor | OS Version | Compiler/Toolchain Type /Vendor | Compiler/Toolchain Version | Notes |
|----------------|-------------------------|-------------|---------------------------------|----------------------------|---|
| Linux x86_x64 | Oracle Enterprise Linux | 6.4/7.x | gcc | 10.3.0 | Build platform is OEL 7.x but using sysroot (headers and libs) from 6.4 |
| Linux aarch64 | Oracle Enterprise Linux | 7.x | gcc | 10.3.0 | Cross compiled on OEL 7.x x86_64 using sysroot from OL7.6 |
| macOS x86_64 | macOS | 10.15.x | XCode / clang | 12.4 | |
| macOS aarch64 | macOS | 11.2 | XCode / clang | 12.4 | |
| Windows x86_64 | Windows | Server 2016 | Microsoft Visual Studio | 2019 16.9.3 | |

Other JDK 17 build platforms

★ Works correctly ⭐ Works partially or workaround(s) needed ⚠ Does not work

Please help us expand this table!

| Platform | Status | OS Type/Vendor | OS Version | Compiler /Toolchain Type/Vendor | Compiler /Toolchain Version | Notes / Workarounds |
|-------------------|--------|---|------------|---------------------------------|-----------------------------|--|
| Linux x86_64 | ★ | Suse SLES | 15.4 | gcc | 10.3.0 (devkit) | Maintained by SAP |
| Linux aarch64 | ★ | Ubuntu | 22.04 | gcc | 10.3.0 (devkit) | Maintained by SAP |
| Linux ppc64le | ★ | Suse SLES | 12.1 | gcc | 10.3.0 (devkit) | Maintained by SAP |
| Linux x86_64 musl | ★ | Alpine | 13.7.2 | gcc | 12.2.1 | Maintained by SAP |
| Linux s390x | ★ | Suse SLES | 11.3 | gcc | 8.2.1 | Maintained by SAP up to 17.0.0, maintained by IBM afterwards |
| macOS x86_64 | ★ | macOS | 10.14.5 | XCode / Clang | 13.1 (devkit) | Maintained by SAP |
| macOS aarch64 | ★ | macOS | 11.6.1 | XCode / Clang | 13.1 (devkit) | Maintained by SAP |
| Windows x86_64 | ★ | Microsoft Windows Server | 2016 | Microsoft Visual Studio | 2017 | Maintained by SAP |
| Windows aarch64 | ★ | Microsoft Windows Server Datacenter Azure Edition | 2025 | Microsoft Visual Studio | 2022 (devkit) | Maintained by Microsoft |
| AIX ppc64 | ★ | IBM AIX | 7.2 | XLC/xlclang++ | 16.1 | Maintained by SAP up to 17.0.0, maintained by IBM afterwards |

JDK 16 build platforms supported by Oracle

| OS and CPU | OS Type /Vendor | OS Version | Compiler/Toolchain Type /Vendor | Compiler/Toolchain Version | Notes |
|----------------|-------------------------|-------------|---------------------------------|----------------------------|---|
| Linux x86_x64 | Oracle Enterprise Linux | 6.4/7.x | gcc | 10.2.0 | Build platform is OEL 7.x but using sysroot (headers and libs) from 6.4 |
| Linux aarch64 | Oracle Enterprise Linux | 7.x | gcc | 10.2.0 | Cross compiled on OEL 7.x x86_64 using sysroot from OL7.6 |
| macOS x86_64 | macOS | 10.15.x | XCode / clang | 11.3.1 | |
| Windows x86_64 | Windows | Server 2016 | Microsoft Visual Studio | 2019 16.7.2 | |

Other JDK 16 build platforms

Legend for status: Works correctly Works partially or workaround(s) needed Does not work

Please help us expand this table!

| Platform | Status | OS Type/Vendor | OS Version | Compiler/Toolchain Type/Vendor | Compiler/Toolchain Version | Notes / Workarounds |
|-----------------|--------|--------------------------|------------------|--------------------------------|----------------------------|-----------------------------------|
| Linux ppc64 | | Suse SLES | 11.3 | gcc | 8.2.1 | Maintained by SAP up until 16.0.2 |
| Linux ppc64le | | Suse SLES | 12.1 | gcc | 8.2.1 | Maintained by SAP up until 16.0.2 |
| Linux s390x | | Suse SLES | 11.3 | gcc | 8.2.1 | Maintained by SAP up until 16.0.2 |
| Mac OS X x86_64 | | Mac OS X | 10.12.6 (Sierra) | XCode / Clang | 9.0 | Maintained by SAP up until 16.0.2 |
| Windows x86_64 | | Microsoft Windows Server | 2016 | Microsoft Visual Studio | 2017 | Maintained by SAP up until 16.0.2 |
| AIX ppc64 | | IBM AIX | 7.2 | XLC/xlclang++ | 16.1 | Maintained by SAP up until 16.0.2 |

JDK 15 build platforms supported by Oracle

| OS and CPU | OS Type /Vendor | OS Version | Compiler/Toolchain Type /Vendor | Compiler/Toolchain Version | Notes |
|-----------------|-------------------------|-------------|---------------------------------|----------------------------|---|
| Linux x86_x64 | Oracle Enterprise Linux | 6.4/7.x | gcc | 9.2.0 | Build platform is OEL 7.x but using sysroot (headers and libs) from 6.4 |
| Linux aarch64 | Oracle Enterprise Linux | 7.x | gcc | 9.2.0 | Cross compiled on OEL 7.x x86_64 using sysroot from OL7.6 |
| Mac OS X x86_64 | Mac OS X | 10.13.5 | XCode / clang | 10.1 | |
| Windows x86_64 | Windows | Server 2016 | Microsoft Visual Studio | 2019 16.5.3 | |

Other JDK 15 build platforms

Legend for status: Works correctly Works partially or workaround(s) needed Does not work

Please help us expand this table!

| Platform | Status | OS Type/Vendor | OS Version | Compiler/Toolchain Type/Vendor | Compiler/Toolchain Version | Notes / Workarounds |
|-----------------|--------|--------------------------|------------------|--------------------------------|----------------------------|--------------------------------|
| Linux ppc64 | | Suse SLES | 11.3 | gcc | 7.3.1 | Maintained by SAP up to 15.0.2 |
| Linux ppc64le | | Suse SLES | 12.1 | gcc | 7.4.0 | Maintained by SAP up to 15.0.2 |
| Linux s390x | | Suse SLES | 11.3 | gcc | 7.3.1 | Maintained by SAP up to 15.0.2 |
| Mac OS X x86_64 | | Mac OS X | 10.12.6 (Sierra) | XCode / Clang | 9.0 | Maintained by SAP up to 15.0.2 |
| Windows x86_64 | | Microsoft Windows Server | 2016 | Microsoft Visual Studio | 2017 | Maintained by SAP up to 15.0.2 |
| AIX ppc64 | | IBM AIX | 7.2 | XLC/xlclang++ | 16.1 | Maintained by SAP up to 15.0.2 |

JDK 14 build platforms supported by Oracle

| OS and CPU | OS Type /Vendor | OS Version | Compiler/Toolchain Type /Vendor | Compiler/Toolchain Version | Notes |
|-----------------|-------------------------|---------------|---------------------------------|----------------------------|---|
| Linux x86_x64 | Oracle Enterprise Linux | 6.4/7.x | gcc | 8.3.0 | Build platform is OEL 7.x but using sysroot (headers and libs) from 6.4 |
| Solaris sparcv9 | Solaris | 11.3 | Oracle Solaris Studio | 12.6 | |
| Mac OS X x86_64 | Mac OS X | 10.13.5 | XCode / clang | 10.1 | |
| Windows x86_64 | Windows | Server 2012R2 | Microsoft Visual Studio | 2017 15.9.16 | |

JDK 13 build platforms supported by Oracle

| OS and CPU | OS Type /Vendor | OS Version | Compiler/Toolchain Type /Vendor | Compiler/Toolchain Version | Notes |
|-----------------|-------------------------|---------------|---------------------------------|----------------------------|---|
| Linux x86_x64 | Oracle Enterprise Linux | 6.4/7.x | gcc | 8.2.0 | Build platform is OEL 7.1 but using sysroot (headers and libs) from 6.4 |
| Solaris sparcv9 | Solaris | 11.3 | Oracle Solaris Studio | 12.6 | |
| Mac OS X x86_64 | Mac OS X | 10.13.5 | XCode / clang | 10.1 | |
| Windows x86_64 | Windows | Server 2012R2 | Microsoft Visual Studio | 2017 15.9.6 | |

Other JDK 13 build platforms

Legend for status: ★ Works correctly ★ Works partially or workaround(s) needed ★ Does not work

Please help us expand this table!

| Platform | Status | OS Type/Vendor | OS Version | Compiler/Toolchain Type/Vendor | Compiler/Toolchain Version | Notes / Workarounds |
|-----------------|--------|--------------------------|------------------|--------------------------------|----------------------------|--------------------------------|
| Linux ppc64 | ★ | Suse SLES | 11.3 | gcc | 7.3.1 | Maintained by SAP up to 13.0.2 |
| Linux ppc64le | ★ | Suse SLES | 12.1 | gcc | 7.4.0 | Maintained by SAP up to 13.0.2 |
| Linux s390x | ★ | Suse SLES | 11.3 | gcc | 7.3.1 | Maintained by SAP up to 13.0.2 |
| Mac OS X x86_64 | ★ | Mac OS X | 10.12.6 (Sierra) | XCode / Clang | 9.0 | Maintained by SAP up to 13.0.2 |
| Windows x86_64 | ★ | Microsoft Windows Server | 2016 | Microsoft Visual Studio | 2017 | Maintained by SAP up to 13.0.2 |
| AIX ppc64 | ★ | IBM AIX | 7.2 | XLC/xlclang++ | 16.1 | Maintained by SAP up to 13.0.2 |

JDK 12 build platforms supported by Oracle

| OS and CPU | OS Type /Vendor | OS Version | Compiler/Toolchain Type /Vendor | Compiler/Toolchain Version | Notes |
|-----------------|-------------------------|---------------|---------------------------------|----------------------------|---|
| Linux x86_x64 | Oracle Enterprise Linux | 6.4/7.x | gcc | 7.3.0 | Build platform is OEL 7.1 but using sysroot (headers and libs) from 6.4 |
| Solaris sparcv9 | Solaris | 11.3 | Oracle Solaris Studio | 12.6 | |
| Mac OS X x86_64 | Mac OS X | 10.13.5 | XCode / clang | 9.4 | |
| Windows x86_64 | Windows | Server 2012R2 | Microsoft Visual Studio | 2017 15.5.5 | |

Other JDK 12 build platforms

Legend for status: ★ Works correctly ★ Works partially or workaround(s) needed ★ Does not work

Please help us expand this table!

| Platform | Status | OS Type/Vendor | OS Version | Compiler/Toolchain Type/Vendor | Compiler/Toolchain Version | Notes / Workarounds |
|-----------------|--------|--------------------------|------------------|--------------------------------|----------------------------|---------------------|
| Linux ppc64 | ★ | Suse SLES | 11.3 | gcc | 7.3.1 | Maintained by SAP |
| Linux ppc64le | ★ | Suse SLES | 12.1 | gcc | 7.4.0 | Maintained by SAP |
| Linux s390x | ★ | Suse SLES | 11.3 | gcc | 7.3.1 | Maintained by SAP |
| Mac OS X x86_64 | ★ | Mac OS X | 10.12.6 (Sierra) | XCode / Clang | 9.0 | Maintained by SAP |
| Windows x86_64 | ★ | Microsoft Windows Server | 2016 | Microsoft Visual Studio | 2017 | Maintained by SAP |
| AIX ppc64 | ★ | IBM AIX | 7.1 | XLC | 12.1 | Maintained by SAP |

JDK 11 build platforms supported by Oracle

| OS and CPU | OS Type /Vendor | OS Version | Compiler/Toolchain Type /Vendor | Compiler/Toolchain Version | Notes |
|-----------------|-------------------------|---------------|---------------------------------|----------------------------|---|
| Linux x86_x64 | Oracle Enterprise Linux | 6.4/7.x | gcc | 7.3.0 | Build platform is OEL 7.1 but using sysroot (headers and libs) from 6.4 |
| Solaris sparcv9 | Solaris | 11.1/11.2 | Oracle Solaris Studio | 12.4 | Build platform is Solaris 11.2 but using sysroot (headers and libs) from 11.1 |
| Mac OS X x86_64 | Mac OS X | 10.13.5 | XCode / clang | 9.4 | |
| Windows x86_64 | Windows | Server 2012R2 | Microsoft Visual Studio | 2017 15.5.5 | |

Other JDK 11 build platforms

Legend for status: ★ Works correctly ★ Works partially or workaround(s) needed ★ Does not work

Please help us expand this table!

| Platform | Status | OS Type/Vendor | OS Version | Compiler /Toolchain Type/Vendor | Compiler/Toolchain Version | Notes / Workarounds |
|-----------------|--------|---|------------|---------------------------------|--------------------------------------|--|
| Linux x86_x64 | ★ | Suse SLES | 15.4 | gcc | 4.8.5 (until 11.0.2), 8.3.0 (devkit) | Maintained by SAP until 11.0.25 |
| Linux ppc64 | ★ | Suse SLES | 11.3 | gcc | 4.8.5 (until 11.0.2), 7.3.1 | Maintained by SAP until 11.0.12 |
| Linux ppc64le | ★ | Suse SLES | 12.1 | gcc | 4.8.5 (until 11.0.2), 8.2.1 | Maintained by SAP until 11.0.25 |
| Linux s390x | ★ | Suse SLES | 11.3 | gcc | 4.8.5 (until 11.0.2), 8.2.1 | Maintained by SAP until 11.0.12 |
| Solaris sparcv9 | ★ | Oracle Solaris | 11.3 | Oracle Solaris Studio | 12.4 | Maintained by SAP until 11.0.12 |
| Mac OS X x86_64 | ★ | Mac OS X | 10.14.5 | XCode / Clang | 13.1 (devkit) | Maintained by SAP until 11.0.25 |
| Windows x86_64 | ★ | Microsoft Windows Server | 2016 | Microsoft Visual Studio | 2017 | Maintained by SAP until 11.0.25 |
| Windows aarch64 | ★ | Microsoft Windows Server Datacenter Azure Edition | 2025 | Microsoft Visual Studio | 2022 (devkit) | Maintained by Microsoft |
| AIX ppc64 | ★ | IBM AIX | 7.1 | XLC | 12.1 (until 11.0.15), 16.1 | Maintained by SAP until 11.0.12, Maintained by IBM |

JDK 9 and 10 build platforms supported by Oracle

| OS and CPU | OS Type /Vendor | OS Version | Compiler/Toolchain Type/Vendor | Compiler/Toolchain Version | Notes |
|-----------------|-------------------------|------------------|--------------------------------|----------------------------|---|
| Linux x86_x64 | Oracle Enterprise Linux | 6.4/7.1 | gcc | 4.9.2 | Build platform is OEL 7.1 but using sysroot (headers and libs) from 6.4 |
| Solaris sparcv9 | Solaris | 11.1/11.2 | Oracle Solaris Studio | 12.4 | Build platform is Solaris 11.2 but using sysroot (headers and libs) from 11.1 |
| Mac OS X x86_64 | Mac OS X | 10.10 (Yosemite) | XCode / clang | 6.3 | |
| Windows x86_64 | Windows | Server 2012R2 | Microsoft Visual Studio | 2013SP4 | |

Other JDK 9 and 10 build platforms

Legend for status: ★ Works correctly ★ Works partially or workaround(s) needed ★ Does not work

Please help us expand this table!

| Platform | Status | OS Type/Vendor and Version | Compiler/Toolchains Type/Vendor and Version | Notes / Workarounds |
|----------------------|--------|----------------------------|---|---------------------|
| Linux x86 and x86_64 | ★ | Ubuntu 14.04 | gcc 4.8.2 | Works flawlessly |

| | | | | |
|-----------------|---|----------------------------------|-----------------------------------|---|
| | ★ | Ubuntu 13.10 | gcc 4.8.1 | Works flawlessly |
| | ★ | Suse SLES 11.3 | gcc 4.8.5 | |
| Linux ppc64 | ★ | Suse SLES 11.3 | gcc 4.8.5 | |
| Linux ppc64le | ★ | Suse SLES 12.1 | gcc 4.8.5 | |
| Linux s390x | ★ | Suse SLES 11.3 | gcc 4.8.5 | |
| Solaris sparcv9 | ★ | Oracle Solaris 11.1 | Oracle Solaris Studio 12u4 | |
| Mac OS X x86_64 | ★ | Mac OS X 10.10 (Yosemite) | XCode 6.1 | Needs separate installation of freetype |
| | ★ | Mac OS X 10.12.6 (Sierra) | XCode / Clang 9.0 | |
| Windows x86_64 | ★ | Microsoft Windows Server 2008 R2 | Microsoft Visual Studio 2013 | |
| Windows x86_64 | ★ | Microsoft Windows Server 2008 R2 | Microsoft Visual Studio 2010 SP 1 | Previous setup used by Oracle, likely still works for both 32 and 64 bit builds |
| AIX ppc64 | ★ | IBM AIX 7.1 | XLC 12.01 | |

JDK 8 build platforms supported by Oracle

| OS and CPU | OS Type /Vendor | OS Version | Compiler/Toolchain Type /Vendor | Compiler/Toolchain Version | Notes |
|----------------------------|-----------------|----------------|---------------------------------|----------------------------|----------------------------------|
| Linux x86 and x86_64 | Fedora | 9 | gcc | 4.3.0 | |
| Solaris sparcv9 and x86_64 | Solaris | 10u6 | Oracle Solaris Studio | 12.1 | |
| Mac OS X x86_64 | Mac OS X | 10.7 (Lion) | Xcode / gcc | 4.6.2 | |
| Windows x86_64 | Windows | Server 2008 R2 | Microsoft Visual Studio | 2010 SP1 | Also for creating 32-bit builds. |

Other JDK 8 build platforms

Legend for status: ★ Works correctly ★ Works partially or workaround(s) needed ★ Does not work

Please help us expand this table!

| Platform | Status | OS Type/Vendor and Version | Compiler/Toolchains Type/Vendor and Version | Notes / Workarounds |
|----------------------|--------|----------------------------------|---|-------------------------------|
| Linux x86 and x86_64 | ★ | Ubuntu 14.04 | gcc 4.8.2 | Works flawlessly |
| | ★ | Ubuntu 13.10 | gcc 4.8.1 | Works flawlessly |
| Linux ppc64 | ★ | Suse SLES 11.3 | gcc 4.8.5 | Maintained by SAP until 8.301 |
| Linux ppc64le | ★ | Suse SLES 12.1 | gcc 4.8.5 | |
| Mac OS X x86_64 | ★ | Mac OS X 10.8 (Mountain Lion) | XCode / gcc 4.2.1 | |
| Windows x86_64 | ★ | Microsoft Windows Server 2008 R2 | Microsoft Visual Studio 2010 | |
| AIX ppc64 | ★ | IBM AIX 7.1 | XLC 12.01 | Maintained by SAP until 8.301 |