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Orbix 6.3.13

Platform Support Notes

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8/25/22

Contents

Supported Platform Matrix for Orbix 6.3.13

The following table lists the different platforms, processors, C++ and Java versions that Micro Focus Orbix 6.3.13 is supported on:

Platform	Processor	C++ Compilers	C++ Libraries	Java Versions	Java Runtimes
AIX 6.x	PowerPC	XL C++ 13	32/64 bit	IBM 8	32/64 bit
AIX 7.x	PowerPC	XL C++ 11 & XL C++ 13	32/64 bit	IBM 8	32/64 bit
HPUX 11iv3 (B.11.31) Classic & Standard C++ Runtime	Itanium-2	Classic - A.06.27, Standard - A.06.28	32/64 bit	HP 8 & HP 11	32/64 bit
RedHat Enterprise Linux 5.5 [a]	Intel x86-x64	GCC 4.1	32/64 bit	Oracle 8, Open JDK 8, Oracle 11, Open JDK 11, Open JDK 17	32/64 bit
RedHat Enterprise Linux 6.x [a]	Intel x86-x64	GCC 4.4	32/64 bit	Oracle 8, Open JDK 8, Oracle 11, Open JDK 11, Open JDK 17	32/64 bit
RedHat Enterprise Linux 7.x [a]	Intel x86-x64	GCC 4.8	32/64 bit	Oracle 8, Open JDK 8, Oracle 11, Open JDK 11, Open JDK 17	32/64 bit
RedHat Enterprise Linux 8.x [a b c]	Intel x86-x64	GCC 8.3	32/64 bit	Oracle 8, Open JDK 8, Oracle 11, Open JDK 11, Open JDK 17	32/64 bit
RedHat Enterprise Linux 9.x [a b c]	Intel x86-x64	GCC 11.2	32/64 bit	Oracle 8, Open JDK 8, Oracle 11, Open JDK 11, Open JDK 17	32/64 bit
Oracle Linux - Unbreakable Enterprise Kernel 6.x [a]	Intel x86-x64	GCC 4.4	32/64 bit	Oracle 8, Open JDK 8, Oracle 11, Open JDK 11, Open JDK 17	32/64 bit

Platform	Processor	C++ Compilers	C++ Libraries	Java Versions	Java Runtimes
CentOS 7.x	Intel x86-64	GCC 4.8	64-bit	Oracle 8, Open JDK 8, Oracle 11, Open JDK 11, Open JDK 17	64-bit
Ubuntu 18.x	Intel x86-64	GCC 7	64-bit	Oracle 8, Open JDK 8, Oracle 11, Open JDK 11, Open JDK 17	64-bit
Solaris Intel 10.x	Intel x86-x64	Sun Studio 12 Update 3 [d]	32/64 bit	Oracle 8 [e], Open JDK 8 [e]	32/64 bit
Solaris Intel 11.x	Intel x86-x64	Sun Studio 12 Update 3 [d]	32/64 bit	Oracle 8 [e], Open JDK 8 [e] Open JDK 11	32/64 bit
Solaris SPARC 10.x	SPARC	Sun Studio 12 Update 3 [d]	32/64 bit	Oracle 8 [e], Open JDK 8 [e], Oracle 11	32/64 bit
Solaris SPARC 11.x	SPARC	Sun Studio 12 Update 3 [d]	32/64 bit	Oracle 8 [e], Open JDK 8 [e], Oracle 11	32/64 bit
SuSE Linux Enterprise Server 12.x [a]	Intel x86-x64	GCC 4.8	32/64 bit	Oracle 8, Open JDK 8, Oracle 11, Open JDK 11, Open JDK 17	32/64 bit
SuSE Linux Enterprise Server 15.x [a] [b] [c]	Intel x86-x64	GCC 8.3	32/64 bit	Oracle 8, Open JDK 8, Oracle 11, Open JDK 11, Open JDK 17	32/64 bit
Windows 7 [f]	Intel x86-x64	Visual Studio 2010 & Visual Studio 2013	32/64 bit	Oracle 8, Open JDK 8, Oracle 11, Open JDK 11, Open JDK 17	32/64 bit
Windows 8.1 [f]	Intel x86-x64	Visual Studio 2012 & Visual Studio 2013	32/64 bit	Oracle 8, Open JDK 8, Oracle 11, Open JDK 11, Open JDK 17	32/64 bit
Windows 10 [f]	Intel x86-x64	Visual Studio 2010, Visual Studio 2013, Visual Studio 2015 & Visual Studio 2017	32/64 bit	Oracle 8, Open JDK 8, Oracle 11, Open JDK 11, Open JDK 17	32/64 bit

Platform	Processor	C++ Compilers	C++ Libraries	Java Versions	Java Runtimes
Windows 11 [f]	Intel x86-x64	Visual Studio 2017, Visual Studio 2019, Visual Studio 2020	32/64 bit	Oracle 8, Open JDK 8, Oracle 11, Open JDK 11, Open JDK 17	32/64 bit
Windows Server 2012 R2 [f]	Intel x86-x64	Visual Studio 2010, Visual Studio 2012 & Visual Studio 2013	32/64 bit	Oracle 8, Open JDK 8, Oracle 11, Open JDK 11, Open JDK 17	32/64 bit
Windows Server 2016 [f]	Intel x86-x64	Visual Studio 2015 & Visual Studio 2017	32/64 bit	Oracle 8, Open JDK 8, Oracle 11, Open JDK 11, Open JDK 11	32/64 bit
Windows Server 2019 [f]	Intel x86-x64	Visual Studio 2017 & Visual Studio 2019	32/64 bit	Oracle 8, Open JDK 8, Oracle 11, Open JDK 11, Open JDK 17	32/64 bit
Windows Server 2022 [f]	Intel x86-x64	Visual Studio 2017 Visual Studio 2019 Visual Studio 2022	32/64 bit	Oracle 8, Open JDK 8, Oracle 11, Open JDK 11, Open JDK 17	32/64 bit

a. All minor versions of the platforms are supported from the platform stated onwards, for example, if we state we support RedHat Enterprise Linux 6.x then we will support all minor versions e.g. 6.1, 6.2 through to the current minor 6.x release. When there is a new major version change, for example 7.0, then this table will be updated accordingly with the major version numbers.

b. Orbix 6.3.12 introduces support for a new Linux build of the product, which has been built with the GCC 8 compiler. This is supported on RedHat Enterprise Linux 8.x, RedHat Enterprise Linux 9.x, and SUSE Linux Enterprise Server 15.x platforms, this support is in addition to the existing support of these platforms with the already existing Linux offering.

c. The libnsl package may need to be installed if it is not already installed. Java may require these packages to be installed: libXext.i686, libXrender.i686, libXtst.i686. Support for 32-bit Orbix 6 based applications may require these packages to be installed: glibc-devel.i686 glibc-devel.

d. Both Oracle Solaris Studio 12.4 and Oracle Solaris Studio 12.5 compilers are not supported with the latest versions of CORBA products. Two compiler issues have been uncovered during testing and raised against Oracle. Oracle Bug 21681651 relates to an inconsistent behavior in pushing function parameters on the stack between Studio 12.4 and earlier compiler versions. Oracle Bug 22179603, relates to an inconsistent behavior in symbol name mangling between Studio 12.4 and earlier compiler versions.

Micro Focus has confirmed that Bug 21681651 has been addressed in Oracle Sun Studio 12 Update 5. Oracle Bug 22179603 has been resolved in Oracle Studio 12 Update 6.

e. The Oracle and OpenJDK 8 JDKs for Solaris (SPARC and Intel x86-64) platform supports only a64-bit JRE, and so cannot compile or run 32-bit applications.

f. For all 32 bit platforms - Orbix supports WoW64 (Windows 32-bit On Windows 64-bit), thereby enabling 32-bit builds of Orbix to be deployed on Windows 64-bit. WoW64 is a subsystem of the Windows operating system that is capable of running 32-bit applications on 64-bit versions of Windows. The Bit mode of the compiler and the JDK needs to match the Bit mode for the Orbix product. For example an Orbix 32 Bit installation requires a 32 Bit JDK and a 32 Bit development environment irrespective of whether this is deployed on WoW64.

Note: Orbix 6.3.10 supports Microsoft Visual Studio 2015 version 14.0.25431.01 Update 3 or later versions. Support is not provided for earlier versions than Microsoft Visual Studio 2015 version 14.0.25431.01 Update 3 due to compiler issues discovered during testing.

Note: A compiler and operating system point release (i.e. not a major release) will be supported as long as we have tested the prior major release.

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