

Header Data

Released On	08.05.2015 15:13:05
Release Status	Released for Customer
Component	BC-MID-CON-JCO Java-Connector
Other Components	BC-MID-BUS Business Connector
Priority	Recommendations / Additional Info
Category	Release planning information

Symptom

Supported platforms and JDKs for the SAP Java Connector 3.0 (SAP JCo 3.0).

Other Terms

SAP Java Connector, JCo, SAPJCO, sapjco3.jar, JCo3, life cycle, download, version, release, patch level, SAP Service Marketplace, SMP

Reason and Prerequisites

SAP JCo 3.0 is replacing SAP JCo 2.0 and SAP JCo 2.1 and is released for Java 5, Java 6, Java 7 and Java 8.

Note that SAP JCo 3.0 is incompatible to former versions of SAP JCo. For details and migration instructions read the documentation of SAP JCo 3.0.

Solution

SAP JCo 3.0 is made available to customers according to the license agreement for SAP JCo (for details of the agreement see <http://service.sap.com/connectors>).

JCo 3.0 is supported for the SAP JVM 5, 6, 7 and SAP JVM 8 as well as for the Java 5, 6, 7 and Java 8 Standard Editions of several 3rd party JVM vendors. It is recommended to use the SAP JVM, because it adds further diagnostic support features and it is also not subject to the end-of-maintenance restrictions of the JVMs of other vendors.

The end of maintenance and support for SAP JCo 3.0 is scheduled for December 31, 2017.

The format of the JCo version number is <MajorRelease>.<MinorRelease>.<PatchLevel>. Only the latest patch level of each release is supported and available for download via the SAP Service Marketplace at

<http://service.sap.com/connectors>

-> SAP Java Connector

-> Tools & Services

-> Download SAP JCo Release 3.0

Generally a new patch level is downwards compatible to the previous patch levels of the same release. So the files of an old JCo 3.0 installation may simply be replaced with the latest ones.

Currently, the latest patch level for SAP JCo 3.0 is version 3.0.13.

For the usage with a 32-bit JVM also the 32-bit JCo library is needed, even if it is running on a 64-bit operating system.

On Windows platforms, JCo 3.0 requires the Visual Studio 2005 C/C++ runtime libraries (8.0.50727.4053) to be installed on the system. See SAP note 1375494 for details on how to install them.

Java 5 support

The JCo 3.0 release is supported for the following operating systems in combination with the SAP JVM 5 or alternatively with the Java 5 Standard Edition of several 3rd party JVM vendors [additionally supported 3rd party vendor JVMs are mentioned in brackets]:

- Windows x86 32bit (Versions: XP, Vista, 7, 8, 8.1) [Oracle JSE 1.5.0]
- Windows x86 64bit (Versions: XP, Vista, 7, 8, 8.1) [Oracle JSE 1.5.0]
- Windows Itanium 64bit (Version: XP) [Oracle JSE 1.5.0]
- Windows Server x86 32bit (Version: 2003) [Oracle JSE 1.5.0]
- Windows Server x86 64bit (Versions: 2003, 2008, 2008 R2, 2012, 2012 R2) [Oracle JSE 1.5.0]
- Windows Server Itanium 64bit (Versions: 2003, 2008, 2008 R2) [Oracle JSE 1.5.0]
- Linux x86 32bit (Versions: SuSE SLES9, SuSE SLES10, SuSE SLES11, RedHat EL4, RedHat EL5, RedHat EL6) [IBM or Oracle JSE 1.5.0]
- Linux x86 64bit (Versions: SuSE SLES9, SuSE SLES10, SuSE SLES11, RedHat EL4, RedHat EL5, RedHat EL6) [IBM or Oracle JSE 1.5.0]
- Linux Itanium 64bit (Versions: SuSE SLES9, SuSE SLES10, RedHat EL4, RedHat EL5) [Oracle JSE 1.5.0]

- Linux zSeries 64bit (Versions: SuSE SLES9, SuSE SLES10, RedHat EL5) [IBM JSE 1.5.0]
- Linux PowerPC 64bit (Versions: SuSE SLES9, SuSE SLES10, SuSE SLES11, RedHat EL4, RedHat EL5, RedHat EL6) [IBM JSE 1.5.0]
- AIX 64bit (Versions: 5.2, 5.3, 6.1, 7.1) [IBM JSE 1.5.0]
- HP-UX PA-RISC 64bit (Versions: B.11.11, B.11.23, B.11.31) [HP JSE 1.5.0]
- HP-UX Itanium 64bit (Versions: B.11.23, B.11.31) [HP JSE 1.5.0]
- Solaris SPARC 64bit (Versions: 9, 10) [Oracle JSE 1.5.0]
- Solaris x86 64bit (Version: 10) [Oracle JSE 1.5.0]
- Apple MAC OS X Intel 32bit (Versions: 10.4, 10.5) [Apple JSE 1.5.0]
- Apple MAC OS X Intel 64bit (Versions: 10.4, 10.5) [Apple JSE 1.5.0]
- z/OS 64bit (Versions: 1.8, 1.9) (For details on JCo on z/OS please see also SAP note 1253440.) [IBM JSE 1.5.0]
- IBM i 64bit (Versions: V5R4, V6R1) [IBM JSE 1.5.0]

Java 6 support

The JCo 3.0 release is supported for the following operating systems in combination with the SAP JVM 6 or alternatively with the Java 6 Standard Edition of several 3rd party JVM vendors [additionally supported 3rd party vendor JVMs are mentioned in brackets]:

- Windows x86 32bit (Versions: XP, Vista, 7, 8, 8.1) [Oracle JSE 1.6.0]
- Windows x86 64bit (Versions: XP, Vista, 7, 8, 8.1) [Oracle JSE 1.6.0]
- Windows Itanium 64bit (Version: XP) [Oracle JSE 1.6.0]
- Windows Server x86 32bit (Versions: 2003, 2008) [Oracle JSE 1.6.0]
- Windows Server x86 64bit (Versions: 2003, 2008, 2008 R2, 2012, 2012 R2) [Oracle JSE 1.6.0]
- Windows Server Itanium 64bit (Versions: 2003, 2008, 2008 R2) [Oracle JSE 1.6.0]
- Linux x86 32bit (Versions: SuSE SLES10, SuSE SLES11, RedHat EL5, RedHat EL6) [IBM or Oracle JSE 1.6.0]
- Linux x86 64bit (Versions: SuSE SLES10, SuSE SLES11, RedHat EL5, RedHat EL6) [IBM or Oracle JSE 1.6.0]
- Linux Itanium 64bit (Versions: SuSE SLES10, SuSE SLES11, RedHat EL5) [Oracle JSE 1.6.0]
- Linux zSeries 64bit (Versions: SuSE SLES10, SuSE SLES 11, RedHat EL5, RedHat EL6) [IBM JSE 1.6.0]
- Linux PowerPC 64bit (Versions: SuSE SLES10, SuSE SLES11, RedHat EL5, RedHat EL6) [IBM JSE 1.6.0]
- AIX 64bit (Versions: 5.3, 6.1, 7.1) [IBM JSE 1.6.0]
- HP-UX PA-RISC 64bit (Versions: B.11.23, B.11.31) [HP JSE 1.6.0]
- HP-UX Itanium 64bit (Versions: B.11.23, B.11.31) [HP JSE 1.6.0]
- Solaris SPARC 64bit (Versions: 10, 11) [Oracle JSE 1.6.0]
- Solaris x86 64bit (Versions: 10, 11) [Oracle JSE 1.6.0]
- Apple MAC OS X Intel 32bit (Versions: 10.6, 10.7, 10.8, 10.9) [Apple JSE 1.6.0]
- Apple MAC OS X Intel 64bit (Versions: 10.5, 10.6, 10.7, 10.8, 10.9) [Apple JSE 1.6.0]
- z/OS 64bit (Versions: 1.8, 1.9, 1.10, 1.11, 1.12, 1.13) (For details on JCo on z/OS please see also SAP note 1253440.) [IBM JSE 1.6.0]
- IBM i 64bit (Versions: V6R1, V7R1, V7R2) [IBM JSE 1.6.0]

Java 7 support

The JCo 3.0 release is supported for the following operating systems in combination with the SAP JVM 7 or alternatively with the Java 7 Standard Edition of several 3rd party JVM vendors [additionally supported 3rd party vendor JVMs are mentioned in brackets]:

- Windows x86 32bit (Versions: XP, 7, 8, 8.1) [Oracle JSE 1.7.0]
- Windows x86 64bit (Versions: 7, 8, 8.1) [Oracle JSE 1.7.0]
- Windows Server x86 32bit (Versions: 2003, 2008) [Oracle JSE 1.7.0]
- Windows Server x86 64bit (Versions: 2003, 2008, 2008 R2, 2012, 2012 R2) [Oracle JSE 1.7.0]
- Windows Server Itanium 64bit (Versions: 2003, 2008, 2008 R2) [none]
- Linux x86 32bit (Versions: SuSE SLES10, SuSE SLES11, RedHat EL5, RedHat EL6) [IBM or Oracle JSE 1.7.0]
- Linux x86 64bit (Versions: SuSE SLES10, SuSE SLES11, RedHat EL5, RedHat EL6) [IBM or Oracle JSE 1.7.0]
- Linux Itanium 64bit (Versions: SuSE SLES10, SuSE SLES11, RedHat EL5) [none]
- Linux zSeries 64bit (Versions: SuSE SLES11, RedHat EL6) [IBM JSE 1.7.0]
- Linux PowerPC 64bit (Versions: SuSE SLES11, RedHat EL5, RedHat EL6) [IBM JSE 1.7.0]
- AIX 64bit (Versions: 6.1, 7.1) [IBM JSE 1.7.0]
- HP-UX Itanium 64bit (Version: B.11.31) [HP JSE 1.7.0]
- Solaris SPARC 64bit (Version: 11) [Oracle JSE 1.7.0]
- Solaris x86 64bit (Version: 11) [Oracle JSE 1.7.0]
- Apple MAC OS X Intel 64bit (Versions: 10.7, 10.8, 10.9, 10.10) [Oracle JSE 1.7.0]
- z/OS 64bit (Versions: 1.13, 2.1) (For details on JCo on z/OS please see also SAP note 1253440.) [IBM JSE 1.7.0]
- IBM i 64bit (Version: V7R2) [IBM JSE 1.7.0]

Java 8 support

The JCo 3.0 release is supported for the following operating systems in combination with the SAP JVM 8 or alternatively with the Java 8 Standard Edition of several 3rd party JVM vendors [additionally supported 3rd party vendor JVMs are mentioned in brackets]:

- Windows x86 32bit (Versions: 7, 8, 8.1) [Oracle JSE 1.8.0]
- Windows x86 64bit (Versions: 7, 8, 8.1) [Oracle JSE 1.8.0]
- Windows Server x86 64bit (Versions: 2003, 2008, 2008 R2, 2012, 2012 R2) [Oracle JSE 1.8.0]
- Linux x86 32bit (Versions: SuSE SLES11, SuSE SLES12, RedHat EL6, RedHat EL7) [Oracle JSE 1.8.0 only] (The SAP JVM 8 is not available for this platform.)
- Linux x86 64bit (Versions: SuSE SLES11, SuSE SLES12, RedHat EL6, RedHat EL7) [Oracle JSE 1.8.0]
- Linux zSeries 64bit (Versions: SuSE SLES11, SuSE SLES12, RedHat EL6, RedHat EL7) [none]
- Linux PowerPC 64bit big-endian (Versions: SuSE SLES11, RedHat EL6, RedHat EL7) [none]
- AIX 64bit (Versions: 7.1) [none]
- HP-UX Itanium 64bit (Version: B.11.31) [HP JSE 1.8.0]
- Solaris SPARC 64bit (Version: 11) [Oracle JSE 1.8.0]
- Solaris x86 64bit (Version: 11) [Oracle JSE 1.8.0]

- Apple MAC OS X Intel 64bit (Versions: 10.9, 10.10) [Oracle JSE 1.8.0]
- z/OS 64bit (Versions: 2.1) (For details on JCo on z/OS please see also SAP note 1253440.) [none]
- IBM i 64bit (Version: V7R2) [none]

Note: JCo 3.0 requires for all Java Runtime Environments (JRE) that the used Java Cryptography Extension (JCE) has to offer a provider which supports the MD5 hash algorithm. This is already the case with the default JCE of all SAP JVMs and the mentioned 3rd party vendor JSEs but needs to be considered if registering and using other JCE providers exclusively.

Validity

Software Component	From Rel.	To Rel.	And Subsequent
SAP JCO	3.0	3.0	<input type="checkbox"/>

References

This document refers to:

SAP Notes

- 2155739 [SAP Java Connector Release 3.0.13](#)
- 2051396 [SAP Java IDoc Class Library Release 3.0.12](#)
- 1877907 [Support of extern-to-extern RFC communication with JCo 3.0](#)
- 1663178 [New prerequisites for SAP JVM 5.1 and 6.1 on AIX](#)
- 1375494 [SAP system does not start after applying SAP kernel patch](#)
- 1367498 [SAP JVM installation prerequisites](#)
- 1269638 [Setting up the different Java JVMs for JCo3 on IBM i](#)
- 1253440 [SAP JCo on z/OS](#)
- 549268 [SAP JCo 2.x release and support strategy](#)

This document is referenced by:

SAP Notes (32)

- 1919773 [SAP Java Connector Release 3.0.11](#)
- 1671480 [SAP Java Connector Release 3.0.9](#)
- 1425520 [Disable NI cache for host and service names](#)
- 1681565 [SAP Java Connector 3.0 Hotfix installation](#)
- 1557856 [SAP Java IDoc Class Library Version 3.0.6](#)
- 1438294 [SAP Java Connector Release 3.0.5](#)
- 1310832 [SAP Java Connector Release 3.0.2](#)
- 1278181 [Usage of CTS+ Command Line Tool \(Export\)](#)
- 1877907 [Support of extern-to-extern RFC communication with JCo 3.0](#)
- 2026482 [SAP Java IDoc Class Library Release 3.0.11](#)
- 1375494 [SAP system does not start after applying SAP kernel patch](#)
- 1748457 [SAP Java Connector Release 3.0.10](#)
- 2032963 [DB2-z/OS: Recommended Java SDK for z/OS](#)
- 1752456 [SAP Java IDoc Class Library 3.0 Hotfix installation](#)
- 1900587 [SAP Java IDoc Class Library Release 3.0.10](#)
- 2051396 [SAP Java IDoc Class Library Release 3.0.12](#)
- 1567669 [SAP Java IDoc Class Library Release 3.0.7](#)
- 1572431 [SAP Java Connector Release 3.0.7](#)
- 1582525 [CTS+ Integration for SBOP PC MS 7.5 and 10.0](#)
- 1467969 [SAP Java Connector Release 3.0.6](#)
- 549268 [SAP JCo 2.x release and support strategy](#)
- 1385673 [SAP Java Connector Release 3.0.3](#)
- 1388694 [Hanging connections to JCo](#)
- 1643299 [SAP Java Connector Release 3.0.8](#)
- 2155739 [SAP Java Connector Release 3.0.13](#)
- 1855836 [SAP Java IDoc Class Library Release 3.0.9](#)
- 1649086 [SAP Java IDoc Class Library Release 3.0.8](#)
- 1253440 [SAP JCo on z/OS](#)
- 2015561 [SAP Java Connector Release 3.0.12](#)
- 1405464 [SAP Java Connector Release 3.0.4](#)
- 1264236 [SAP Java Connector Release 3.0.1](#)
- 1269638 [Setting up the different Java JVMs for JCo3 on IBM i](#)