

Kofax Process Director

Web Application Technical Specifications

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The logo for Kofax, consisting of the word "KOFAX" in a bold, blue, sans-serif font.

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Overview

This document lists the hardware and software requirements for running the Kofax Process Director Web Application™.

The Process Director Web Application allows users outside an SAP environment to participate in workflows and perform other Process Director actions using a web browser.

The Process Director Web Application is a Java Web Application. It is delivered as a J2EE-compatible web archive (EAR or WAR) file. Although it normally runs on its own server, installation on systems running other applications is also possible.

The environments on which the Process Director Web Application is tested are also listed.

Hardware requirements

The Process Director Web Application should run on its own server. Installation on systems running other applications is also possible, as well as installation on a Virtual Machine.

The following table lists the minimum hardware requirements.

Item	Requirement
RAM	About 40 MB per concurrent user session are recommended. Thus, if 200 users are logged on simultaneously, you can expect memory usage of around 8 GB. The minimum to run the Process Director Web Application is 8 GB.

For information about support for mobile devices, refer to the *Product Documentation* for [Kofax ReadSoft Mobile™](#).

Software requirements

The following table lists the recommended software as well as the minimum requirements.

Item	Recommendation	Minimum requirement
Web browser	(No recommendation)	Internet Explorer, version 11 Microsoft Edge Mozilla Firefox, version 3 and higher Safari, version 4 and higher Google Chrome
Java Runtime Environment (JRE)	JRE 9	JRE 8
Web application server	Apache Tomcat 9.0 (with JRE 8) Apache Tomcat 8.5 (with JRE 8) SAP NetWeaver CE version 7.5	J2EE compatible Java Servlet 2.4 Java Server Pages (JSP) 2.0
SAP Java Connector (SAP JCo)	3.0 (see Using SAP Java Connector (SAP JCo) 3.0)	3.0

Notes:

- If using a 64bit version of JRE, the other components must also be 64bit.
- The Process Director Web Application works only if Process Director is installed. For instructions on installing it, see the *Process Director Import and Upgrade Guide*.
- The Process Director Web Application and the Web Service API builds are based on Java. This makes the application independent of any specific operating system, as compared to other programming platforms.
- The JRE is specific to the operating system and its CPU.
- The SAP JCo implements functionality that is specific to the operating system because it runs dedicated network sockets and builds an RFC connection to the SAP ERP.
- Lifecycle changes in Oracle Java recommends the use of open JRE.

Using SAP Java Connector (SAP JCo) 3.0

With SAP JCo 3.0, if you deploy several instances of the Process Director Web Application on Apache Tomcat, only the first instance that connects to JCo 3.0 after restarting Tomcat will work.

This also applies if you deploy one instance of the Web Application together with other Web Applications such as Kofax Email-based Approval and Kofax Info Mail. If you wish to use multiple instances or Web Applications, you must move the jcolayer library to the Tomcat main library folder and remove it from all Web Application library folders.

To deploy multiple instances of SAP JCo 3.0, complete the following steps.

1. Deploy all instances of the Web Application that you wish to use.
2. Start Tomcat.
3. After the WAR files are unpacked, go to the *Tomcat/webapps/pdweb-app/WEB-INF/lib* folder of the newest Web Application and copy the *jcolayer*.jar* file to the *Tomcat/lib* folder (the name of this file may vary; for example, it could be *jcolayer-2.2.jar*).
4. Remove the *jcolayer*.jar* file from the *Tomcat/webapps/pdweb-app/WEB-INF/lib* folder of all deployed Web Application instances.
5. Restart Tomcat.

See the *Kofax Process Director Web Application Configuration Guide* for instructions on how to install JRE, Tomcat, and SAP JCo.

Tested environments

Item	Tested with
Java Runtime Environment (JRE)	<ul style="list-style-type: none">• Java 8 (JRE 8)• Java 9 (JRE 9)• Java 11 (JRE 11)
Web application server	<ul style="list-style-type: none">• Apache Tomcat 8.5 (with Java 7 or 8)• Apache Tomcat 9.0 (with Java 11)• SAP NetWeaver CE version 7.5
SAP Java Connector (JCo)	<ul style="list-style-type: none">• 3.0