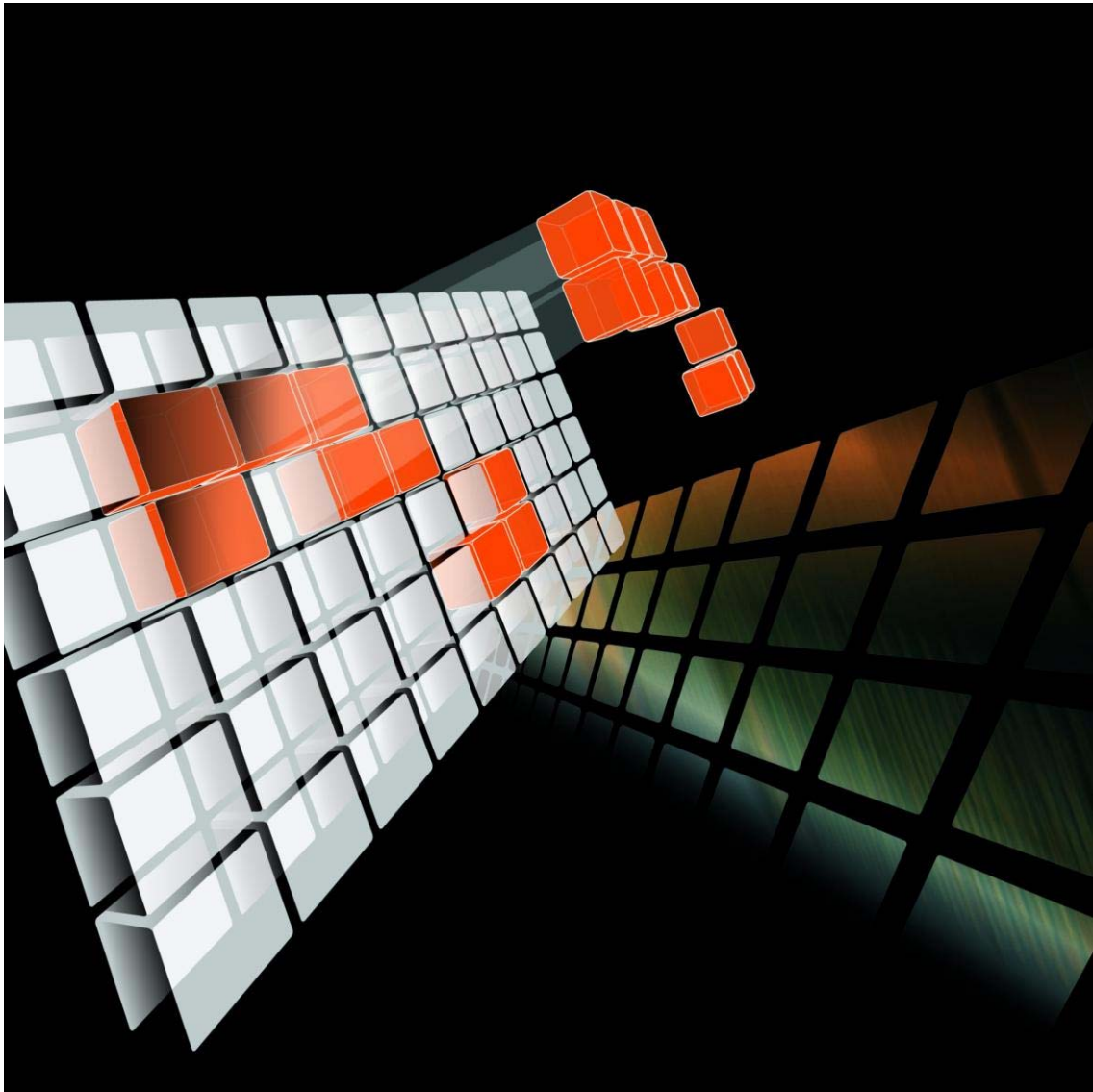


Jscribe Application Server 4.3



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Introduction to JAS 4.3

The Jscribe Application Server (JAS) is a platform for running Jscribe applications under Microsoft Windows. Since Jscribe is designed to run in printers and MFDs, JAS also functions as a print server, so that it can accept print data input. Finally, it can also function as a Windows service, allowing it to run unattended, as a printer would. As a print server, it supports three kinds of input: "Line Printer Daemon" (LPD), "Raw Mode" and "Hot Folder" input.

JAS Modes

JAS has three different modes:

- Service Mode
- Console Mode, also called command line interface (CLI)
- (ATL/COM) Server Mode

When JAS is installed in service mode, it can be set to run unattended, even when no one is logged in. This mode is designed for use on unattended printer servers. JAS may be started and stopped via the standard Windows interfaces for services. After installation, JAS is installed as a service, however the **Startup type** is **Manual**, meaning that it is not started at bootup. To have it start at bootup, change the **Startup type** to **Automatic** (see your Microsoft Windows documentation on services).

JAS can also maintain multiple Jscribe environments in parallel in service mode. Because services normally have no direct user interface, Jscribe functionality requiring a user interface is not available. Also due to the lack of interface, management of the Jscribe environment(s) is handled via a special tool: JASAdmin.EXE. Note that if the JAS service is not started, starting JASAdmin.EXE will cause JAS to start.

When JAS is run in console mode, the user may start it from a Windows command shell or using the "**Run...**" command from the Windows **Start** menu. Options controlling the environment are passed as command line arguments. Program termination is also handled simply by waiting for user input. Because a user normally must be logged in to start JAS in console mode, other functionality requiring user interface are available that are not available in service mode. In this mode, normally a single Jscribe environment is created. Some JAS management commands are also available via the command line interface. One can start JAS in console mode even if it is already running in service mode or server mode.

Finally, JAS server mode is something between being a service and running in console mode. In server mode, JAS is started when the user starts JASAdmin.EXE and terminates when JASAdmin.EXE terminates. This allows management of multiple environments, as in service mode, but also allows Jscribe user interface features, as in console mode. This mode lends itself well to shaking out applications for later use in service mode. JAS cannot run in both server and service modes in parallel. To switch between modes, see the command line options.

System Requirements

JAS has the following system requirements:

- Computer with Windows XP (all versions), Windows Server 2003 (all versions), Windows Vista (all versions) or Windows Server 2008 (all versions)
- 10 MB of free hard disk space available
- 256 MB of RAM available
- Network connection

Additional Information

For additional information about JAS 4.3, please read the JAS User Manual installed with the product.

To provide programmers with a more in-depth introduction to Jscribe and the JavaScript language, the following sources can be used:

Jscribe Software Development Kit User Manual

This manual is part of the JSDK Setup Package and describes the functionality and handling of the JSDK environment.

Jscribe 4.3 Language Reference Manual

This language reference describes the objects, functions, methods and other features of Jscribe version 4.3. This guide is intended as a reference for advanced JavaScript programmers who are already familiar with basic Jscribe functions and features. For previous Jscribe versions, this was known as the Programmer's Reference.

Jscribe Programmers Guide

This guide contains practical Examples and more in-depth programming scenarios for Jscribe. This guide is intended for both beginners and advanced programmers – it is a hands-on, how-to guide to using Jscribe. Familiarity with JavaScript is required.

<http://developer.mozilla.org>

This Web site contains reference information for Core JavaScript and updates to JavaScript.

www.jscribe.de

Visit this site frequently for product updates and support.

Jscribe@ccp.de

Mail us at any time for more information on Jscribe or possible training opportunities in your area.