

JSCRIBE APPLICATION SERVER

Expand your applications platforms by the integration of a flexible runtime service

**Small Input,
Great Output**

- EXECUTE APPLICATIONS
- INTEGRATOR FOR SOLUTIONS ON REQUEST
- COMMUNICATION PLATFORM

Small Input, Great Output

JSCRIBE APPLICATION SERVER (JAS)

The runtime platform for customized JScript applications

:: HIGHLIGHTS

APPLICATION PLATFORM FOR SERVERS, PCS, PRINT SERVERS AND EMBEDDED SYSTEMS

JSCRIBE IMPLEMENTATION FOR WINDOWS-BASED SYSTEMS

EXECUTE ANY JSCRIBE SERVER APPLICATION

COMMUNICATION INTERFACE TO ANY JSCRIBE- OR WINDOWS-BASED DEVICE

DEPLOYMENT OF CUSTOMER CLIENT/SERVER BASED SOLUTIONS

:: MORE THAN STANDARD SOFTWARE

JAS is an application and communication platform for all JScript applications.

:: JAS runs JScript applications in PC- or server based environments.

:: JAS is also integral part of the JScript development environment to allow a platform-independent development, debugging and simulation of JScript applications.

:: JAS is the base solution to be adapted to embedded systems such as MFP's or printers.

:: JAS enables cross platform scripts and applications and server-to-device communication.

:: EFFICIENT

The efficiency of an IT infrastructure could be hugely increased by proactive communication between JAS and devices with other instances.

:: INDEPENDENT

JAS is a vendor independent technology, which enables the process-driven creation and conversion of documents and information.

:: AS REQUESTED

JAS is a technological base which meets the demands of document management systems (DMS) as well as output management systems (OMS).

:: CONNECTIONAL

JAS can be used as a homogenous and standardized connection between the various components such as databases, archive systems, servers, print systems, email and fax servers or Internet and Intranet connections.

:: BENEFICIAL

JAS allows the usage of advantages and functionalities of output devices in a way that offers never before known control of the print processes.

:: WORTHWHILE

It is not necessary to alter or replace existing systems. The flexible and user friendly design of Output Management solutions based on JAS and common worldwide standards like JavaScript™ and XML guarantees the protection of investments already made and lead to short amortization times when making new investments in CCP JScript technology.

:: PROFITABLE

JAS enables you to license your scripts and applications to different customers or execute them in your own enterprise. JAS acts as a runtime. The customer or user can make full use of the scripts and applications and gain access to the many benefits of JScript, but will not have to make investments in the developing environment itself and will not have to change his existing environment.

:: THE JSCRIBE RUNTIME - SERVER MODE

JAS is both, JScript server and a LPD (TCP/IP) server. It supports multiple projects simultaneously. Normally JAS runs in the background as a service and once installed, it runs even when no user is logged in. It can also be run as a COM-Server, in this case it will normally only run when the administration program is running and terminate when the administration program is shut down. As a print server, it supports three kinds of input: "Line Printer Daemon" (LPD), "Raw Mode" and "Hot Folder" input.

:: THE RUNTIME ADMINISTRATION - CONSOLE MODE, CLI

The JAS works also as an JScript runtime administration program (JASAdmin). It uses the so-called "Multiple Document Interface" (MDI), which displays each "JScript project" in its own sub-window.

- 1.) JAS allows loading and unloading, starting and stopping various projects.
- 2.) JAS allows changes to parameters for each project.
- 3.) JAS allows viewing and modifying the job queue for each project.
- 4.) JAS allows to change the sequence and priority between all loaded projects.
- 5.) JAS is used for applications which memory and storage requirements exceed the resources available in the device.
- 6.) JAS can be used as the communication bridge between Windows applications and JScript instances.
- 7.) JAS is the implementation of JScript on a server platform and can control multiple devices and integrate them into one environment - vendor independent.

THE ATL/COM - 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 JScript 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.

JAS COMPONENTS

JAS consists of the following components and functionalities:

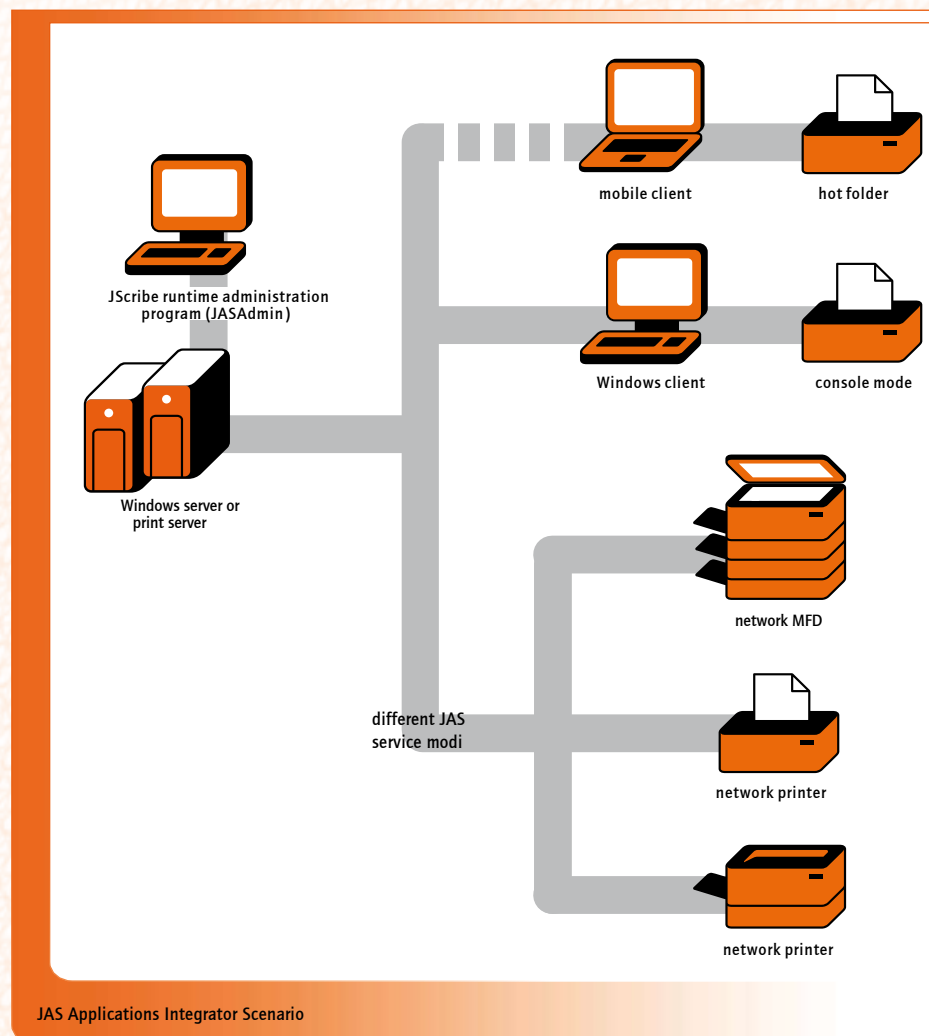
- 1.) JScript Core - functional identical to embedded code
- 2.) Windows Wrapper API for JScript Core, incl. simulation functions (i.e. scan service through TWAIN)
- 3.) LPD/RAW print server with JScript print data processing (secure) to any attached Windows print device
- 4.) JScript COM Library - component object support (COM/DCOM)
- 5.) JAS Service (runs JAS as service, stand-alone executable or COM-component)
- 6.) JAS Admin - administration utility
- 7.) JAS Setup and user manuals

For pure JSDK-based application development (stand-alone embedded applications as well as Client/Server) JAS is not required, as the complete JAS is also a part of the JScript Development Kit.

THE BRIDGE

JAS is the bridge between two communication types:

- 1.) DOL (communication between devices with embedded JScript)
- 2.) COM/DCOM (Windows communication)



BENEFITS

JAS does not require JScript devices. But with JScript devices the amount of data to be transmitted across the network can be dramatically reduced causing higher throughput.

JAS is particularly useful in workflow oriented applications which include the handling of large amounts of print data and distribution of the data to various devices.

JAS allows also the centralized handling of a huge amount of data if it is not expedient to implement JScript in every single device.

:: ABOUT JScribe

The JScribe Application Server is an application developed by CCP Systems AG, based on their patented JScribe technology.

JScribe is an open application and communication platform for servers, workstations, MFDs and printers to exchange information proactively in every direction. Devices can easily be integrated into various types of computing environments for making business processes communicative and manageable.

On top of that, JScribe acts as a basic technology for the development of customer individual or standardized solutions for output and document management, enabled to be run on the device itself and thus - while unifying the way of interchanging the information and the handling of the various types of computing environments and disburdening the network - creates additional value for the customer without changing or replacing existing IT infrastructures.

This makes CCP a technological leader in the field of process optimization for business output. In 2006 several concerns started to gradually equip their output product ranges with integrated JScribe technology.

JScribe, DOL, mPod and the CCP Logo are registered trademarks of CCP Systems AG, registered in the European and U.S. Patent and Trademark Offices and/or other countries and must, therefore, not be used commercially without explicit consent of CCP. All other brand and product names may be registered trademarks of other producers with applicable protection. The JScribe technology is protected by patents registered in Europe (1282883), U.S. (6,684,789) and Japan (3974782) Patent Offices.

This product information reflects the status as of 03/2010 and is intended to be used for general guidance in regard to the products' functionalities only, which can be subject to changes without notice and anytime. For latest information regarding CCP's products and its services please contact CCP or any of its authorized dealers.

CCP Systems AG does not warrant or guarantee that prices or specifications mentioned will be correct. The subject matter and specific scope of any products or services are exclusively designated in the according contracts. © CCP Systems AG 2010 - All rights reserved.

CCP Systems AG

Stammheimer Straße 35
D-70435 Stuttgart, Germany

Phone +49 (0)711 | 82 03 42-10

Fax +49 (0)711 | 82 03 42-19

www.ccp.de | info@ccp.de

:: ABOUT CCP

CCP Systems AG develops technologies and solutions for managing and controlling output processes.

More than 20 years of experience in manufacturing printer drivers and document solutions are the foundation for the patented JScribe® technology, a worldwide unique application and communication platform for digital printers and multifunctional devices, workstations and server.

JScribe and the applications based on it are marketed worldwide by various partners.

System Requirements JAS

JScribe Application Server was designed to run under one of the following operating systems:

- :: Microsoft Windows 2000 PRO
- :: Microsoft Windows XP PRO
- :: Microsoft Windows Server 2003
- :: Microsoft Windows Vista

The minimum system requirements for JAS are similar to the requirements of the used operating system. In addition, the JScribe Application Server also requires:

- :: 16 MB free memory on the hard drive
- :: CD-ROM drive for installation
- :: one free USB port

Note: When the LPD server functionality of the JScribe Application Server is used, it requires the system port 515. If another application blocks this port, the JScribe Application Server may not be used completely.