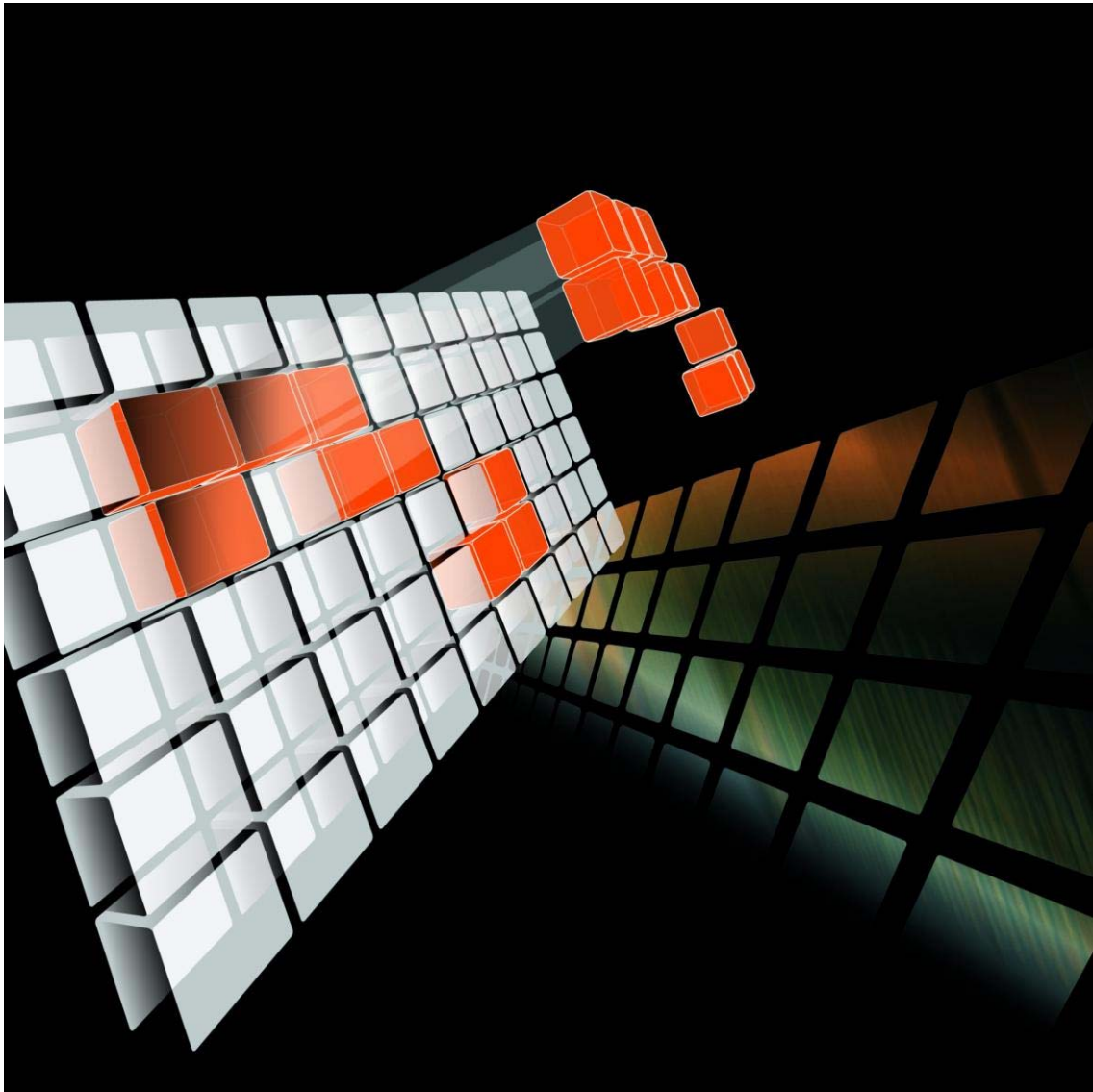


JTalk 4.3



Protected by EU Patent 1.282.883, U.S. Patent 6,684,783, Japan Patent 3974782

COPYRIGHT © 2010 CCP SYSTEMS AG
STAMMHEIMER STRASSE 35 70435 STUTTGART GERMANY

ALL RIGHTS RESERVED. No part of this publication may be copied in any form, by photocopy, microfilm, retrieval system, or by any other means now known or hereafter invented without the prior written permission of CCP Systems AG.

JScribe and the CCP Logo are registered trademarks of CCP Systems AG in Germany and/or other countries and may, 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.

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.

Introduction to JTalk 4.3

JTalk is a utility- and service application for the management and remote diagnostics of embedded Jscribe[®] devices. JTalk may be used to remotely connect to Jscribe[®] devices, to query the version of Jscribe[®] installed on the device, to upload, activate, deactivate and delete application to/from the device and to retrieve additional information about the system, including the Jscribe[®] applications installed on the device.

History

Until now JTalk was available in two different versions:

- JTalk 1.x for the use with Jscribe[®] Devices and Applications based on a Jscribe[®] Core version 3.x and below.
- JTalk 4.x for the use with Jscribe[®] Devices and Applications based on a Jscribe[®] Core version 4.0 and above.

Since JTalk 4.0.2, all JTalk versions are now capable of handling all former versions of Jscribe Devices and Application with only one program. Detailed information and restrictions can be found in the chapter "Compatibility" at the end of this manual.

What's New in JTalk 4.3

Jscribe[®] System Mirror

All operations with applications (Deactivate/Activate start-up, Deploy, Remove, Disable/Enable, Move Up/Move Down, Download application) are collected on the local station and reflected in JTalk mirror view. All the collected actions will be carried out on the Jscribe[®] Device only after user applies his changes.

Pending Changes

The pending changes feature provides a possibility to revise user actions before final commitment to the remote device. The user operations queue is displayed on Pending Changes view of JTalk 4.3.

Robustness of the System

It was made an outstanding contribution to robustness of the JTalk 4.3-Jscribe[®] Device system, so it constricted the range of ways leading to corrupted server configuration.

Self-Recovery of the System

If some application raises an error while loading at start-up or leads to system hang-up/crash, the application becomes automatically disabled and doesn't start on subsequent system start-up.

Text log file AUTOEXEC.LOG

All operations performed by AUTOEXEC.JSC are dated and saved in AUTOEXEC.LOG file on the Jscribe[®] Device.

Remote Log

The Remote Log feature of JTalk allows watching the log messages from the remote JScripte[®] Device online.

Changing Applications Start-Up Order

JTalk 4.3 has a possibility to move applications up/down in the JScripte[®] Device start-up list.

Application Approval

Now the stability of JScripte[®] applications can be approved, to avoid that a system hangs because of unstable applications. Therefore the application has to be started once. If the application fails already during the first start, it will be disabled to avoid another start. Applications which run well when started for the first time should be approved using the respective function of JTalk. By default only approved applications will be started a second time, not approved applications will be disabled even if their first start ended without problems.

Download Application

Any application or .LOG file can be downloaded from the remote JScripte[®] Device to a storage device of the local machine JTalk is running on. Downloaded applications are not deleted or modified on the remote JScripte Device. Depending on the Security Level according to the JScripte Security Concept these applications may be encrypted and not readable.

Batch Mode

JTalkCmd.exe is a command line tool which allows performing arbitrary JTalk operations in batch mode without user interaction. For instance, it allows deploying an application to a remote device just by specifying command line parameters.

Extended Start-Up Options

JTalk has now more influence of the device start-up. It has control over the "Automatic Start-up Disabling", "Automatic JScripte Application Disabling" and "Automatic Reconnection". These features can accelerate the device start-up and reduces problems with device handling errors.

System Requirements

JTalk 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)
- 50 MB of available space required on installation drive
- 256 MB of RAM
- Network connection

Additional Information

For additional information about JTalk 4.3, please read the JTalk 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.