JavaService
A Windows NT Service Utility for Java Applications

Introduction

The JavaService utility allows a Java application to be installed and run as a Windows NT Service, with no changes required to the source code of the Java program.

Once installed, the Java-based service can be run automatically on system startup and may be controlled using the standard Windows command line or Services Administration tools.

Features

- Easy command interface to install, configure and uninstall JavaService applications
- Works with the locally installed Java run-time environment
- Source Java program code is unchanged for use as a service
- Works on Windows NT4, 2000, XP and 2003.
- Makes use of Windows Registry, Event Logger and Services Administration facilities
- Sample scripts provided for widely-used application servers
- Program output can be recorded in configured log files
- Support available from the ObjectWeb software forge for this utility

Description

JavaService can be used to run any Java application that operates in the background without a user interface. This makes it particularly useful for application servers or system monitoring programs. It has also proved to be a good solution for running test tools or server stubs that accept network connections from application software in development or test environments.

All standard Java programs have at least one class and a public static 'main' function. Given this information, and details of the local Java Run-time Environment, JavaService can be used to install the program as a service. For example, a simple program with the class org.objectweb.MyService can be installed using a command similar to the following:

```
> JavaService –install MyService %JRE_BIN%\jvm.dll –start org.objectweb.MyService
```

The program can then be configured via Windows for automatic startup, or controlled with the commands

```
> net start MyService
> net stop MyService
```

All service configuration details are held in the Windows System Registry, and this is cleaned up on service removal when using the command:

```
> JavaService –uninstall MyService
```

History

The JavaService utility was originally provided by Alexandria Software Consulting in April 2000, under a BSD-style licensing agreement, with updates provided through to April 2001. Multiplan Consultants continued to supply the software for download from November 2002, with additional features and fixes being included in newer releases. Since October 2004, JavaService has been hosted as an open source project by the ObjectWeb consortium, with updates and ongoing development still provided by Multiplan Consultants Ltd. This software is available for download and use under the terms of the LGPL license.

Download JavaService from http://javaservice.objectweb.org

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