

Javadoc To HTML Help
Version 0.2
(jd2chm.py)

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ANDRE BURGAUD OPEN SOURCE LICENSE, VERSION 1.0For jd2chm.py

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Contents

1 Overview	1
2 Jd2chm Package	1
3 Changes	1
3.1 Version 0.2 - 07-18-2001	1
3.2 Version 0.1 - 10-22-2000	1
4 Requirements	1
5 Installation	2
6 Usage	2
6.1 Javadoc Documentation	2
6.2 Java™ API Documentation	3
6.3 Quick Build	4
7 SciTE	4
8 Links	4
9 Java™ Documentation Redistribution	5

1 Overview

“Javadoc To CHM” (jd2chm.py) is a Python script that generates Microsoft® HTML Help projects files from a Javadoc documentation.

2 Jd2chm Package

The Jd2chm package contains 3 files:

- **jd2chm.py** ”Javadoc To CHM” Python script.
- **jd2chm.pdf** Current documentation.
- **compile.bat** Windows batch file that calls the Jd2chm script and the Hhc compiler (modify the variables to fit your project).

3 Changes

3.1 Version 0.2 - 07-18-2001

- Handles single package Javadoc
- An **Interface** icon allows distinction between a **Class** and an **Interface** in the table of content
- The overview documentation is available when the **All Classes** node is selected
- The package documentation is available when the node corresponding to a package is selected (no more viewed as a distinct individual topic)
- File compile.cmd changed to compile.bat
- Minor bugs correction

3.2 Version 0.1 - 10-22-2000

- First Release

4 Requirements

In order to use jd2chm.py you will need to install the following software ¹:

¹Refer to the “Links” section to get alternative web sites

- [Python](#)
- [Java™ 2 SDK Edition v1.2 or v1.3](#)
- [Microsoft® HTML Help](#)
- [SciTE Editor](#) ²

5 Installation

If you have already installed the required products (Python, Java™ 2 SDK and Microsoft® HTML Help), copy **jd2chm.py** into a directory in your PATH. To test **jd2chm.py**, type **jd2chm.py** at the command line:

```
C:\>jd2chm.py
=====
          Javadoc To Compiled HTML Help (jd2chm) v0.2
          Copyright (c) 2000 Andre Burgaud
=====

=====
Usage:
jd2chm.py [-h] [-p project_name -t doc_title]
-h          : displays usage
-p project_name : builds a CHM project_name
-p doc_title  : title of the final documentation
=====
```

6 Usage

6.1 Javadoc Documentation

1. Generate the Javadoc Documentation from your Java™ source code (refer to the Java™ 2 SDK Documentation for more details).
2. In the Javadoc directory, run **jd2chm.py** with the **-p** and **-t** options. The **-p** option is followed by the name of the project. The **-t** will have the title as argument (don't forget to enclose the string with quotes especially if there are whitespaces). Example:

```
C:\>jd2chm.py -p myProject -t "Title of myProject v 1.0"
```

²Optional: if you want to use the Java™ context sensitive help with SciTE

This will generate 3 files:

- The project file (myProject.hhp)
- The contents file (myProject.hhc)
- The index file (myProject.hhk)

3. Run the HTML Help compiler. To run it from the command line, the compiler should be in the PATH:

```
C:\>hhc myProject.hhp
Microsoft HTML Help Compiler 4.74.8702

Compiling e:\myProject\docs\api\myProject.chm

Compile time: 0 minutes, 11 seconds
352      Topics
4,304    Local links
106      Internet links
0        Graphics

Created e:\myProject\docs\api\myProject.chm, 198,396 bytes
Compression decreased file by 1,184,565 bytes.
```

6.2 Java™ API Documentation

You will be able to compile almost any standard generated Javadoc documentations, including the Java™ API Documentation. In order to compile the JDK API documentation successfully, you should perform the following additional step before generating the compiled HTML project files:

- Copy the entire **api** directory and subdirectories in a temporary directory to isolate the files from the other JDK documents. The **api** directory is located under the **docs** directory in your **JDK_HOME**. Example: if your **JDK_HOME** is **c:\jdk1.3**, the API Javadoc is **c:\jdk1.3\docs\api**.

You will generate the project files and compile the project from this temporary directory. Due to the size of the JDK API Javadoc (about 100 Mb), and the number of files (more than 4600), you have to be patient during the compilation. It takes about 10 mn to generate the project files and about 15 mn to compile on a Celeron 466 with 128Mb of RAM. The result CHM file is about 16Mb.

During the compilation you will have many warnings due to the tags that **hhc.exe** can't process. The **jd2chm** script saves the default CSS file (**stylesheet.css**) and replaces it by a custom one. If you want to prevent the style sheet file to be changed,

set the variable **CUSTOM_CSS** to **0**. Except for the cascading style sheet file that may be replaced, no other file is modified.

The result file gives you a fastest access to the whole Java™ API Specification, including a complete index and an advanced search system. Furthermore, as a companion of **SciTE** you may have a Java™ context sensitive help (see SciTE section).

6.3 Quick Build

To speed up the process of generating project files and compiling with **hhc.exe**, you can directly use the command file (**compile.bat**) provided in the package and modify the variables. Copy this file in your Javadoc directory, then run it from the command line. It will call respectively **jd2chm** and **hhc.exe**.

7 SciTE

To download the source editor **SciTE**, visit <http://www.scintilla.org>. **SciTE** is a powerful and flexible source editor that lets you customizing many commands. Below is an example to associate a context sensitive help for Java files. After building your personal copy of the compiled Java help file (described above), add these three lines in the **cpp.properties** file located in your **SciTE** direcorey.

```
if PLAT_WIN
  command.help.*.java=$(CurrentWord)!e:\doc\jdk13.chm
  command.help.subsystem.*.java=4
```

(Considering that the CHM file you generated is located in e:\doc\jdk13.chm)

With this customization, when you edit a Java file, the Java Help pops up if you press the **F1** key. It also displays the help index with the word selected in your Java source file.

8 Links

Here is a list of the links you may access to download products described in this document:

- Python

- <http://www.python.org>
- <http://www.activestate.com>
- <http://www.orgmf.com.ar/condor/pytstuff.html>

Hernán Martínez Foffani wrote a script that generates a CHM version of Python 1.5.2 documentation. His script was a good inspiration for jd2chm.

- Scintilla

- <http://www.scintilla.org>

- Java™

- <http://www.javasoft.com>

- Microsoft® MSDN

- <http://msdn.microsoft.com>

- Winhelp

- <http://javadocs.planetmirror.com/>

Franck Allimant dedicates a personal web site to Java with documentation converted in WinHelp format and winhelp conversion tools.

9 Java™ Documentation Redistribution

To know more about the Java™ Documentation Redistribution Policy, visit <http://www.javasoft.com/docs/redist.html>.