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## **How to create unified developer documentation (JavaDocs) for Bluray**

### **1 Introduction**

The developer documentation for Java APIs is typically available in the form of JavaDocs. For various legal and license reasons, the JavaDocs for a full BD-J stack cannot be published by a single organization. They can easily be created by a developer following the steps described in this document.

### **2 Required files**

JavaDocs are created from source code stubs for the individual API packages. For this purpose you need to obtain the source code stubs for:

- CDC+Foundation profile: FP 1.0b
- Personal basis profile: PBP 1.0b
- Java secure socket extension: JSSE 1.0.3
- JavaTV: JavaTV 1.1.1

The Sun stubs as well as a short description of the process to create the unified documentation, is available at <http://java.sun.com/javame/reference/bluray-technote.html>

- GEM 1.0.3 packaged media target.

These stubs are published at [www.mhp.org](http://www.mhp.org).

- BD-J stubs.

These stubs are available upon request from the Bluray Disc Association at: [http://www.blu-raydisc.info/license\\_app/javadocstubs\\_apps.php](http://www.blu-raydisc.info/license_app/javadocstubs_apps.php).

### 3. Building the unified JavaDocs

The following steps describe a simple procedure to create the unified JavaDocs:

1. Create a new subdirectory `unified_javadocs`.
2. Unpack all of the above archives into this subdirectory.  
Make sure that all stub source files are in the `src` subdirectory .
3. Run JavaDoc with the following command:
4. 

```
$ javadoc -d dist -subpackages org -subpackages java  
-subpackages javax -sourcepath src
```
5. After JavaDoc has finished you have a combined JavaDoc in the `dist` directory, the entry point is the `index.html` file.

As a convenience, a shell script that automates this procedure is available at [http://hdcookbook.com/bdj\\_platform/build.sh](http://hdcookbook.com/bdj_platform/build.sh).

### 4. How to handle GEM 1.0.3 errata ?

The current API stubs reflect the GEM 1.0.3 specification.

At the time of writing, a GEM errata#1 document is being created.

It is recommended to apply these fixes to the JavaDoc, if the errata#1 document is part of the GEM 1.0.3 reference.