

Openwave MMS Library

Release 3.0

# Release Notes

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# Release Notes

The information in this document applies to Openwave MMS Library 3.0 on the Sun Solaris and Microsoft Windows platforms. It contains:

- A list of new features
- A list of operating system and third-party software requirements for this release
- A list of the documentation accompanying this release
- Additional application development support information
- MM7 standards compliance information
- A list of known issues, with descriptions and, where applicable, workarounds and solutions

## What's New in MMS Library 3.0

The following features are among those that have been added to MMS Library 3.0 from MMS Library 2.1.

**Table 1.** New Features of MMS Library 3.0

| Feature                                     | Description  |
|---|--|
| DRM support                                 | Openwave MMS Library 3.0 provides a Multimedia Content API that allows the creation of MMS messages which can contain media objects in Digital Rights Management (DRM) format. |
| Expanded XML schema support                 | Openwave MMS Library 3.0 supports the 3GPP XML schema, versions REL-5-MM7-1-0 to REL-5-MM7-1-3.  |
| Additional media types supported            | Openwave MMS Library 3.0 supports additional media types when sending a media object with a message.   |
| Trusted services support for non-VASP users | Services connecting to MMSC without authentication can support non-VASP users.   |

## System Requirements

This section describes the software and browser requirements of the MMS Library 3.0.

### Supported Operating Systems

The API is designed to work on the following platforms:

- Microsoft Windows 2000
- Sun Solaris, Version 8.0 with maintenance update 7 installed

### Required Third-Party Packages

The use and implementation of the MMS Library API are based on the Java packages listed in this section.

You must install one of the following Java environments before installing the MMS Library:

- Java 2 SDK, Standard Edition, Version 1.4.2
- Java Runtime Environment (JRE), Version 1.4.2

Both of these components are available for free download from the Sun Microsystems web site. The Java 2 SDK requires more disk space than the JRE but contains the tools necessary to compile and debug the MMS Library sample and custom applications. It also contains the jar utility, which is used to extract files from the MMS Library SDK.

If you do not plan to compile sample or custom MMS Library applications, install the JRE to conserve disk space. Because the JRE does not contain the jar utility, you must use a third-party tool to unzip the MMS Library SDK and extract the files, such as WinZip on Windows machines and the unzip utility on UNIX machines (the gunzip utility does not work).

The MMS Library API also requires the following Java packages, which are supplied in the MMS Library package:

| Package   | Version |
|---|---------|
| Java Secure Socket Extensions (JSSE)                    | 1.0.3   |
| Java Servlet  | 2.3     |
| Java 2 Platform, Standard Edition (J2SE) API            | 1.4.2   |
| JavaBeans Activation Framework (JAF)                    | 1.0.2   |
| JavaMail API  | 1.3     |
| Log4j (from Apache Software Foundation Jakarta Project) | 1.2.6   |

For instructions about installing the MMS Library and configuring your environment, see the *Developer's Guide*.

### Supported Servlet Containers

The MMS Library API and sample servlets were tested using Caucho Resin version 2.1.11.

## Release Documentation

In addition to these release notes, the following documentation supports the MMS Library:

- *Developer's Guide* Provides SDK installation and configuration information, overviews of the MM7 protocol and the MMS Library, detailed descriptions of the MM7 operations, and error handling and troubleshooting information.
- *MMS Library API JavaDoc* Provides detailed information about the classes, methods, and fields of the API. The JavaDoc documentation can be found in */install\_root/docs*.

## Additional Application Development Support

The Openwave Developer Services team maintains an MMSC for testing applications developed using the MMS Library. By using a test account provisioned on this MMSC to send messages to and receive them from, developers are able to test the functionality of their MM7-enabled applications. For further information about the test environment and to register to obtain an account provisioned on this system, please fill out the form at [http://developer.openwave.com/dvl/support/mms\\_form.cfm](http://developer.openwave.com/dvl/support/mms_form.cfm)

## MM7 Compliance Information

The MMS Library API conforms to the MM7 protocol defined by the 3rd Generation Partnership Project (3GPP); Technical Specification Group Terminals; Multimedia Messaging Service (MMS); Functional description; Stage 2 (Release 5) version TS 23.140, except as noted in the following table:

| Operation   | Unsupported optional PDU elements  |
|---|--|
| Deliver   |  |
| DeliverRequest                                    | allowAdaptations (attribute of Content element)  |
| DeliverResponse                                   | Details  |
| Submit  |  |
| SubmitRequest                                     | allowAdaptations (attribute of Content element)<br>DistributionIndicator<br>EarliestDeliveryTime |
| SubmitResponse                                    | Details  |
| Cancel ( <i>unsupported optional operation</i> )  |  |
| Replace ( <i>unsupported optional operation</i> ) |  |
| Delivery Report                                   |  |
| DeliveryReportRequest                             | <i>All supported</i>   |
| DeliveryReportResponse                            | Details  |
| Read Reply  |  |
| ReadReplyRequest                                  | <i>All supported</i>   |
| ReadReplyResponse                                 | Details  |

The MMS Library API supports versions REL-5-MM7-1-0 to REL-5-MM7-1-3 of the XML schema, defined by 3GPP TS 23.140, for generating and parsing MM7 messages.

For complete schema listings, see:

[http://www.3gpp.org/ftp/Specs/archive/23\\_series/23.140/schema/](http://www.3gpp.org/ftp/Specs/archive/23_series/23.140/schema/)