



Cumulus Web Service 7.0

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Overview

Cumulus Web Service provides the technology that allows external processes (e.g. applications) to use a collection of Cumulus operations in a platform- and programming language-independent manner. The Cumulus operations can be accessed over the network through standardized XML messaging. Cumulus Web Service uses SOAP (Simple Object Access Protocol) as messaging protocol. WSDL (Web Services Description Language) is used to describe the operations.

System Requirements

- Windows 2000 (SP2), Windows XP or Windows Server™ 2003
- PowerPC-Macintosh with Mac OS X version 10.3 or later
- Sun Solaris 8 or later
- Linux x86 (libc6, kernel 2.4, glibc 2.3.2)
Not supported: Red Hat Linux 8; SuSE Linux 8.1 (without any patches) and lower
- SUN Java2 (J2SE) 1.4.2 or higher
- Cumulus Enterprise Server 7.0 or later with an active Cumulus Web Service Read/Write Option serial number.
OR
Cumulus Workgroup Server 7.0 or later with an active Cumulus Web Service Read Option serial number.
- Cumulus Java Classes 7.0
- Web Application Server supporting Servlet API 2.3 or later

Installation

1. Add the CumulusJC.jar file of your Cumulus Java Classes Installation to the CLASSPATH environment of your Web application server.
For Tomcat Web application server for example:
You can add the path in the setclasspath.bat/setclasspath.sh behind the lib\tools.jar entry.
2. Deploy the CumulusWS.war web application to your Web application server.
For Tomcat Web application server:
Copy the CumulusWS.war file into the webapps folder and restart Tomcat.

Checking the Installation

To check if the Cumulus Web Service is correctly deployed:

Open the URL: "http://<localhost>:<8080>/CumulusWS/services" in a web browser (<localhost> is the host name and <8080> the port number your application server is running on.

You should see a page listing the Cumulus web service with its provided operations.

Using the Web Service

Calling the URL: "http://localhost:8080/CumulusWS/services/Cumulus?wsdl" should display the WSDL-File which you should use as an interface for your client applications.

Known Issues

To avoid that temporary folders which are created when assets cataloged with the Cumulus Web Service remain forever in the WEB-INF/catalog folder, you should use an Asset Handling Set that has the "Copy Asset to Central Location" and the "Delete Original Asset" option activated. It is recommended that you set up such an Asset Handling Set to be used for cataloging with the Cumulus Web Service.

Currently it is not possible to specify the catalog, checkout and tmp folder in the web.xml, so these folders used by catalogAsset, checkin, checkout and getAssets are always located in the CumulusWS/WEB-INF/CumulusWS folder.

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