
Exchanger XML Editor - Using SOAP

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SOAP

Amazon SOAP Example

Open the **Amazon SOAP** project and from the **request** folder, open the file `DirectorSearch.xml` (Alternatively, you can open the file directly from `projects/Amazon SOAP/request/DirectorSearch.xml`.)

Ensure that you are connected to the internet

Choose **Tools->Send Soap Message**, select **Current Document** and press **Open**.

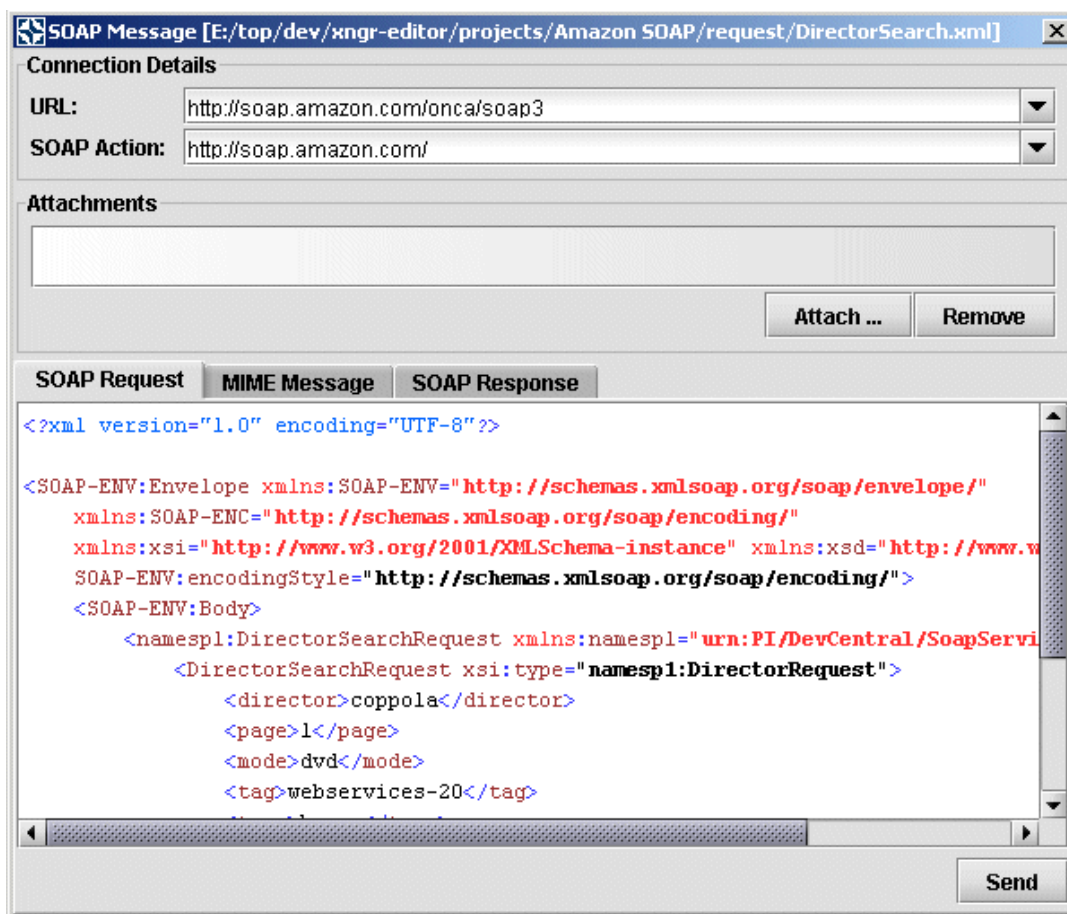


Figure 1. Send SOAP Message

The file is displayed in a pop-up window in the Soap Request tab. Now, in the Connection Details section of the dialog, enter the URL as `http://soap.amazon.com/onca/soap3` and the SOAP Action as `http://soap.amazon.com/` and press **Send**.

The returned content is displayed in the Soap Response tab in the dialog. Press **Format** to make the response easier to read and check to ensure that a server error has not occurred. (The Amazon web service can be busy, especially during US work hours - if the call fails, close the new document window and try again.)

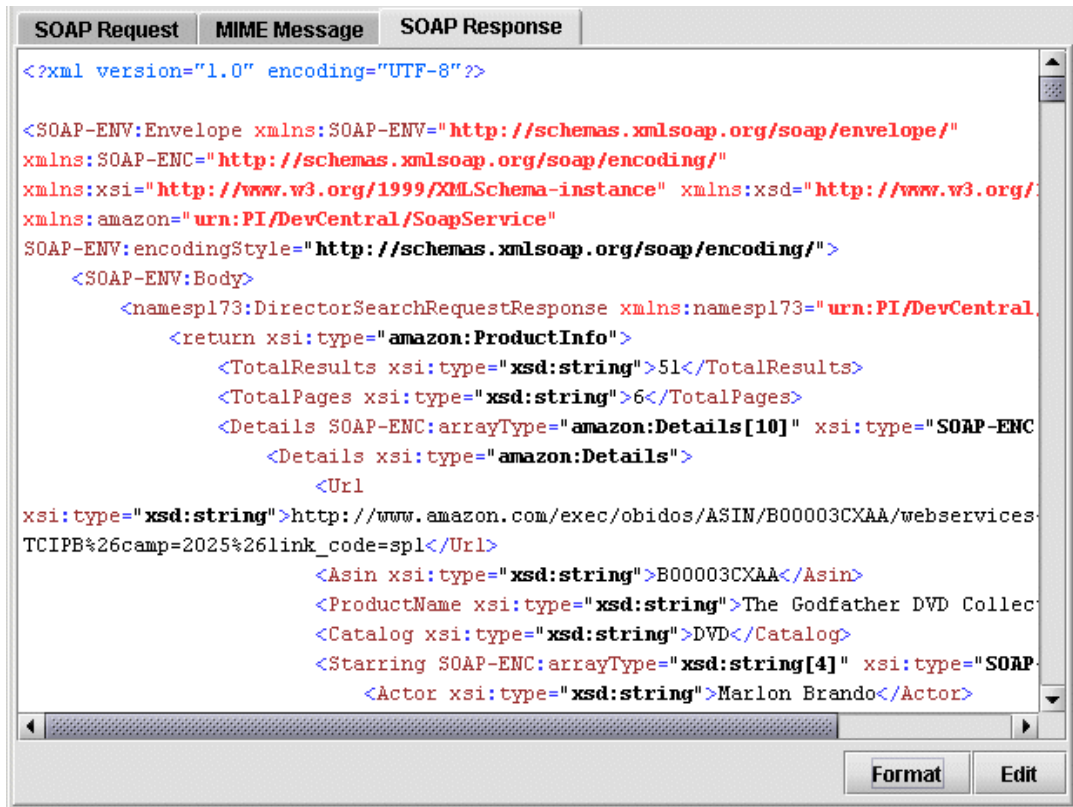


Figure 2. SOAP Response

Now press **Edit** to open the response as a new document in the editor. (A local copy of the response can be found in the **response** folder in the Amazon SOAP project.)

To display the returned information in a web browser, ensure that the new document is the active document in the editor and then execute a transformation as follows: Select **Transform->Execute Advanced XSLT**.

In the Execute XSLT dialog:

- Set the XML Location to **Current Document**
- Set the XSL Location in **From URL:** as `projects\Amazon SOAP\style\heavy-data-to-html.xsl`
- Set the Output for "To New Document" and check the box for "Open Output in Browser"
- Press the **Execute** button.

A list of the top 10 films by Francis Ford Copolla should be displayed. (A local copy of the result can be found in the **html** folder in the Amazon SOAP project.)

The screenshot shows a Microsoft Internet Explorer browser window with the title "Our recommendations - Microsoft Internet Explorer". The address bar displays a local file path: "C:\Documents and Settings\gregoldrick\Local Settings\Temp\temp24327.htm". The browser interface includes standard navigation buttons (Back, Forward, Stop, Home, Refresh) and a search bar. The main content area features a heading "We heartily recommend the following items:" followed by a note "(Items are sorted by sales rank.)".

The first recommendation is for the book "The Outsiders". It includes a small image of the book cover, the title "The Outsiders", and the following details:
Published: 03 February, 2004
Our price: \$12.28
List price: \$14.99 (that's 18% off)
Used price: \$7.39
Collectible price: \$11.99
Buy one from zShops for: \$8.50
Sales rank: 1,064
Below the details is a "Buy From Amazon" button and an "Average customer rating: ★★★★★".

The second recommendation is for the DVD "Saturday Night Fever". It includes a small image of the DVD cover, the title "Saturday Night Fever", and the following details:
Published: 19 August, 2003
Our price: \$12.29
List price: \$14.99 (that's 18% off)
Used price: \$7.98
Collectible price: \$10.75
Buy one from zShops for: \$9.29
Sales rank: 1,390
Below the details is a "Buy From Amazon" button and an "Average customer rating: ★★★★★".

Figure 3. Amazon Response in Browser

SOAP With Attachments

The **Tools->Send Soap Message** functionality also supports SOAP With Attachments. Open the SOAP Request as in the preceding example, and in SOAP Message dialog, press the **Attach...** button and select any arbitrary file to be attached to the SOAP message. Now click on the **Mime Message** tab and see how the SOAP message now contains both the original request and the attachment.

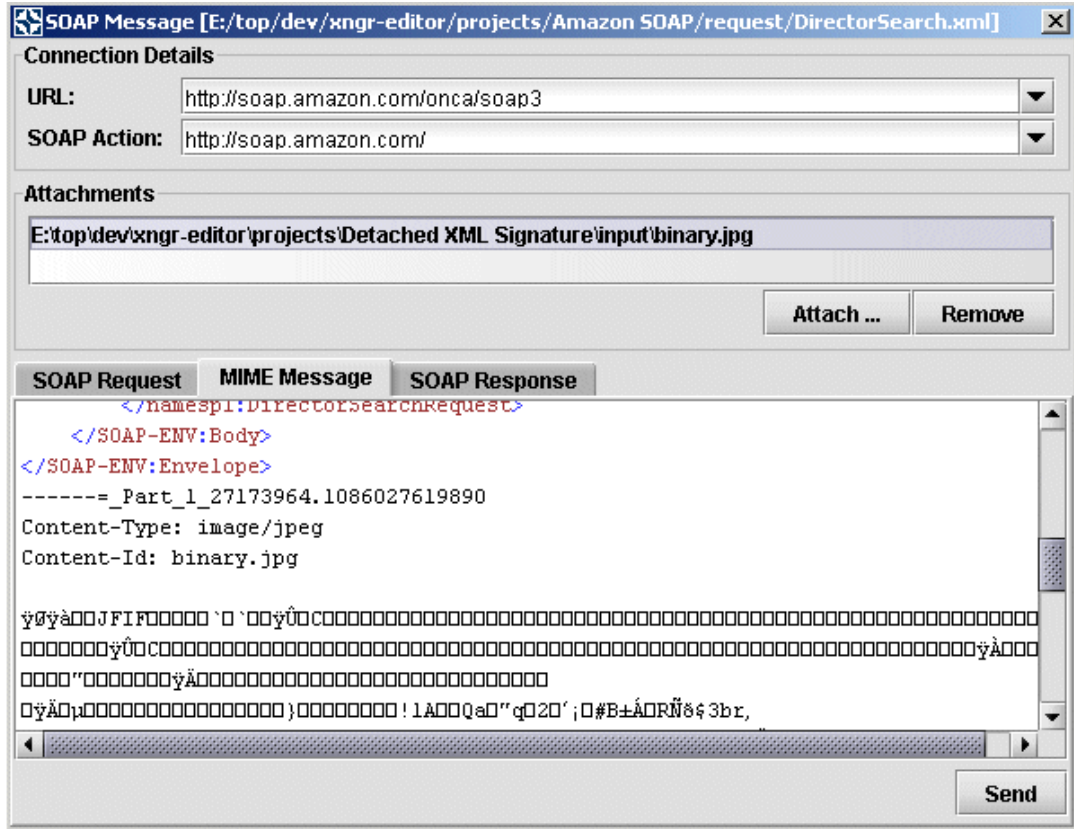


Figure 4. MIME Message

Further attachments can be added using the **Attach...** button and removed using the **Remove** button and the MIME message will be updated dynamically. Unfortunately we currently know of no public services that will accept SOAP with Attachment messages and pressing **Send** will result in an error if you use the Amazon Web Service. However, it should be possible to build up a sample ebXML message with attachments given the current functionality in Exchanger XML Editor.