
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**.

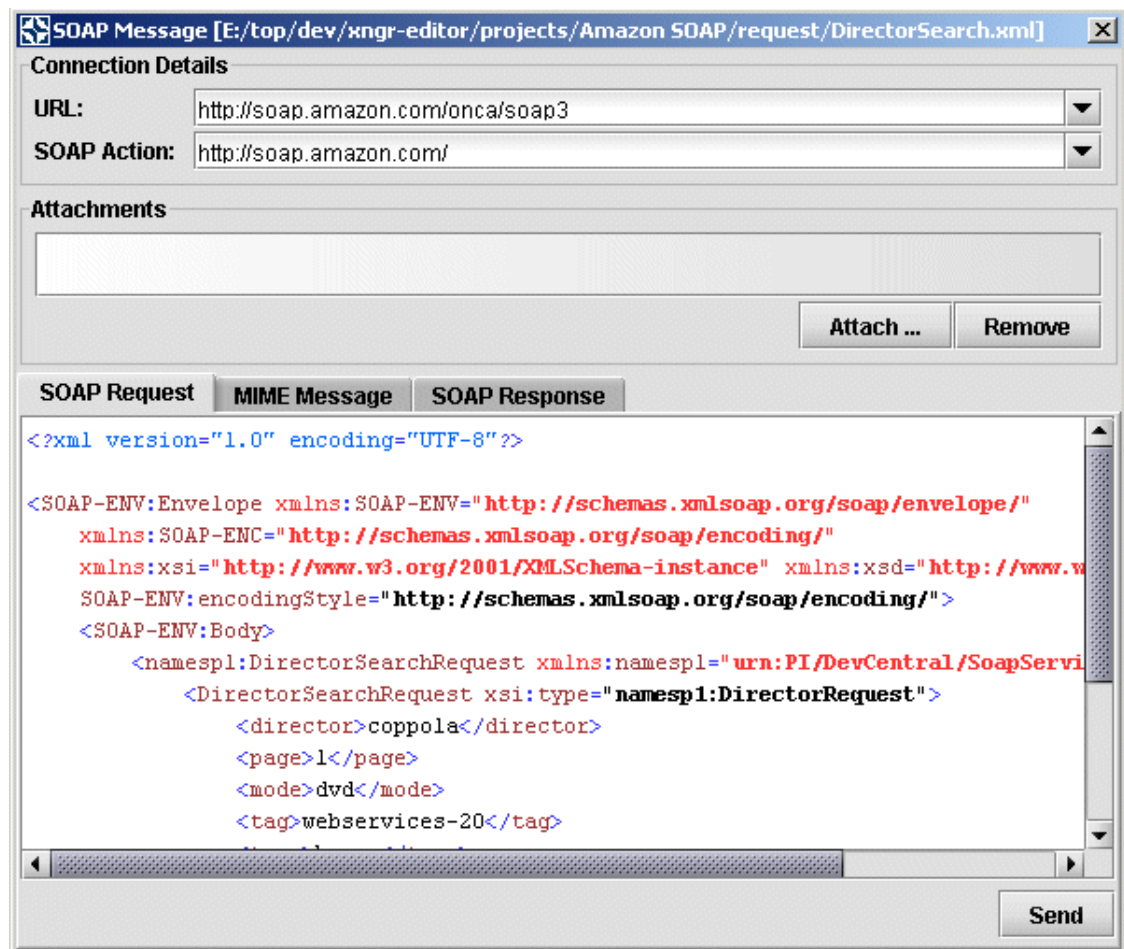


Figure 1. Send SOAP Message

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.)

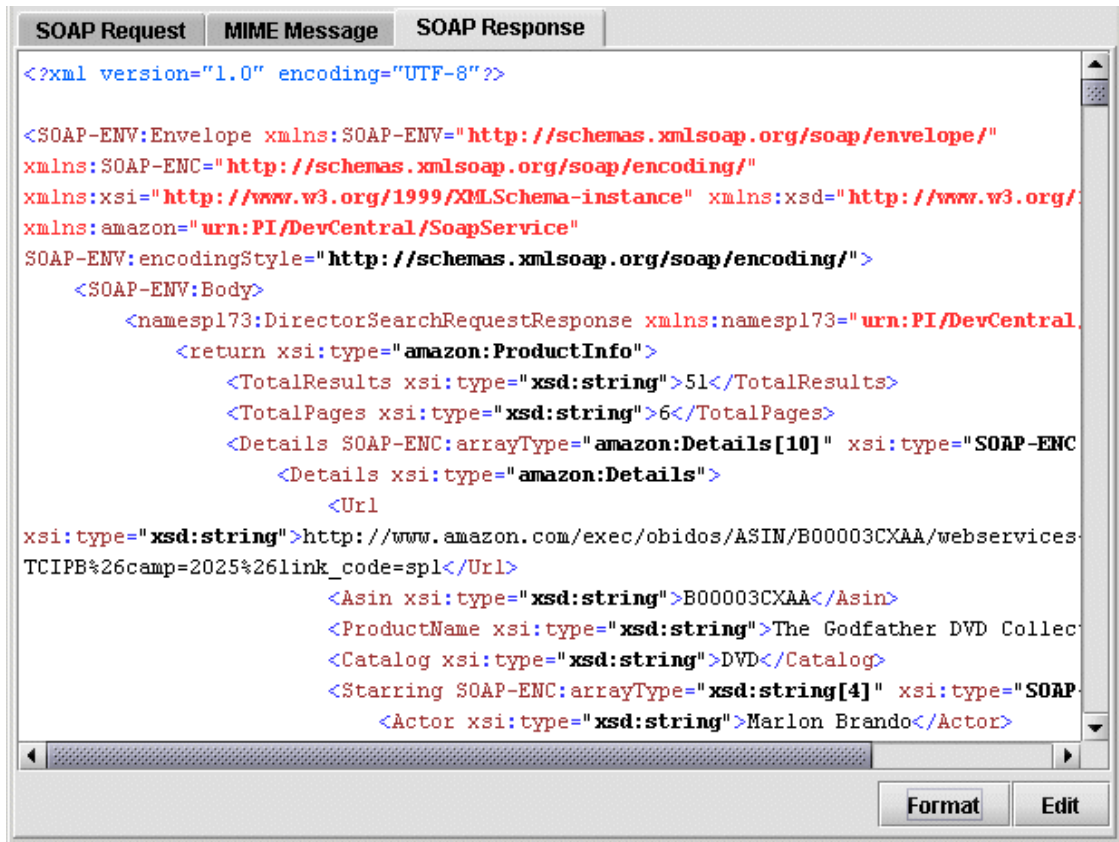


Figure 2. SOAP Response

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\gnocgoldrid\Local Settings\Temp\temp24327.htm". The browser toolbar includes buttons for Back, Forward, Stop, Home, Search, Favorites, Media, and Print. Below the toolbar, there are search engines for Google and Search Web, and a PageRank indicator.

The main content area features a heading: "We heartily recommend the following items:" followed by a sub-heading: "(Items are sorted by sales rank.)".

The first recommendation is for the DVD "The Outsiders". It includes a small image of the DVD cover. To the right of the image, the following information is listed:
The Outsiders
Published: 03 February, 2004
Our price: \$12.28
List price: \$14.97 (*that's 18% off!*)
Used price: \$7.39
Collectible price: \$11.99
Buy one from zShops for: \$8.50
Sales rank: 1,064

Below this information is a button labeled "Buy From Amazon".

Underneath the button, the text reads: "Average customer rating: ★★★★★".

The second recommendation is for the DVD "Saturday Night Fever". It includes a small image of the DVD cover. To the right of the image, the following information is listed:
Saturday Night Fever
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 this information is a button labeled "Buy From Amazon".

Underneath the button, the text reads: "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.

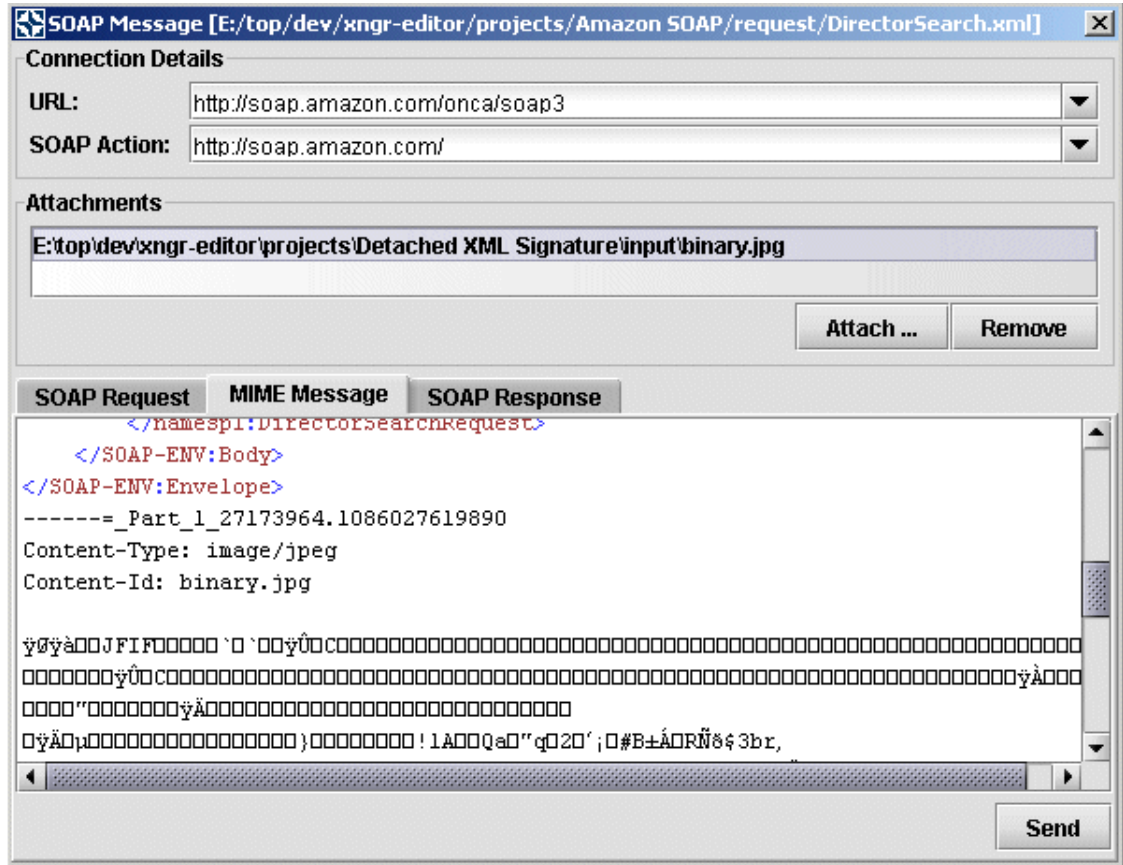


Figure 4. MIME Message

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.