



Technical Overview

E-Partner Scheme System Integration

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Revision History

Date	Version	Description	Author
11/05/2011	1.0	First version	RZ
28/02/2012	1.1	Updates for Physical Products	FRJ
23/04/2012	1.2	Updates for Packages	FRJ
10/09/2012	1.3	Added Product delivery	FRJ

1. E-Partner Scheme Overview

The E-Partner Architecture has been designed and implemented to provide our partners with all technology they need to sell fully licensed sheet music downloads and products through their websites

The E-Partner scheme currently supports the following types of E-Partners to link with the Faber Music E-Partners hub:

1. Template site built by Faber Music and using Faber Music's e-commerce platform but with a design unique to the E-Partner. These may also be referred to as skinned stores.
2. Integrated Solution where the E-Partner uses their e-commerce solution.

Both solutions give access to an E-Partners Store Management tool. This is a web application that allows you to log in to your E-Partner account, access and browse the hub, select/deselect contents to sell through your site, view all the arrangements and products available to you and send requests for new songs/engravings. When you sign up for the scheme we will provide you with a unique E-Partner username and password to access this application.

2. Integrated Solution Overview

If you have an established website with your own e-commerce solution and you just require access to our contents to re-sell them through your site, we can help you to integrate our central hub with your existing system. Integration consists of two modules;

A. XML data feeds to transfer contents from our hub to your system:

We use a bespoke export/extract system that generates XML data feeds of our E-Partner's hub contents. The feeds are automatically generated every 24 hours, every day at 2 am and include the latest full set of data selected in your catalogue. There are several feeds available;

Content	Description	File Name
Engravings	A list of 'engravings' (sheet music scores) and their related data	<i>epartnername-</i> XMLEngravings.xml
Products	A list of 'products' and their related data	<i>epartnername-</i> XMLProducts.xml
Packages	A list of 'packages' that contain engravings and/or products	<i>epartnername-</i> XMLPackages.xml
Countries	A list of delivery countries that products can be shipped to	<i>epartnername-</i> XMLArea.xml

We will provide you with a FTP client account to access a dedicated folder on our server where you can retrieve the XML feeds. Please note that the XML feeds do

not include any digital files. An API is provided to retrieve any digital files required as a result of a sale.

B. E-Partners Public API:

This API enables you to record sales of our items sold through your site, retrieve any digital files associated with those sales and request the delivery of our product(s).

For a more detailed description on the Public APIs please refer to *Public API Step by Step Explanation.docx*

2.1 Engraving/Download Integration

To sell downloads on your own e-commerce platform you will need to import the data contained in the Engraving XML feed. The schema definition for this is contained in the *EngravingXML-Schema.xsd* document. You should also have a sample XML file called *EngravingXML-Sample.xml*.

When items from this file are sold on your store you will have to use the following API methods;

1. **record-sale-with-type:** Record the sale of each individual item sold
2. **get-url:** Retrieve a one-time only URL that can be used to download the file associated with the sale. This will have to be called each time the user request to download their purchase.

More details on how to use the API and these methods are in *Public API Step by Step Explanation.docx*

2.2 Product Integration

To sell products on your own e-commerce platform you will need to import the data contained in the Product XML feed and Area XML feed. The schema definition for both of these files is contained in the *ProductXML-Schema.xsd* document. You should also have two sample XML files called *ProductXML-Sample.xml* and *AreaXML-Sample.xml*.

When items from this file are sold on your store you will need to use the following API methods;

1. **record-sale-with-type:** Record the sale of each individual item sold
2. **request-delivery:** Request delivery for the product(s) that have been sold

More details on how to use the API and these methods are in *Public API Step by Step Explanation.docx*

2.3 Package Integration

Packages may contain both engraving and product data. To sell packages on your system you will need to import the data contained in the Package XML feed. The schema definition for the Package XML feed is contained in the *PackageXML-Schema.xsd* document. There is also a sample Package XML file called *PackageXML-Sample.xml*.

For each **individual item within each package** that is sold on your store you will have to use the following API methods;

1. **record-sale-with-type**: Record the sale of each individual item sold. It is important that the package *package* and *package-price* parameters are included in this call.
2. **get-url**: If the item sold is an engraving then this will retrieve a one-time only URL that can be used to download the file associated with the sale. This will have to be called each time the user request to download their purchase.
3. **request-delivery**: Request delivery for the product(s) within each package that have been sold.

More details on how to use the API and these methods are in *Public API Step by Step Explanation.docx*