

Pubhub Web Service

E-Book Integration Guide

Retailer Customers

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v1.3

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DEFINITION OF TERMS

PubHub:	Publizon Distribution Hub
DRM:	Digital Rights Management
License Key:	A GUID that identifies you as a retailer. Please contact Publizon to get a license key.
BIC:	“Book Industry Communication” (http://www.bic.org.uk). Organization providing an industry standard subject classification system primarily used in Europe.

HOW TO ACCESS THE WEB SERVICE

Pubhub exists in two separate environments, each with their own server, code and database. Please use the web service located at test.publizon.dk when developing and testing! Orders created in test environment will not be invoiced. Please request a new license key for the production environment when you’re ready to go live.

Test / development environment:

<http://test.publizon.dk:8083>

Production environment:

<http://service.pubhub.dk>

INTEGRATION OVERVIEW

The web service exposes methods dealing with:

1. Book Catalog (metadata)
2. Fulfillment (creating/deleting orders)
3. Support (creating support cases)
4. Subjects (BIC)
5. Promotions

BOOK CATALOG

The book catalog includes all the metadata (ISBN, title, description, author, links to cover images, subjects etc.) necessary to provide your customers information about the available e-books and audiobooks. See “Appendix A – Pubhub Metadata Format Description”, page 6, to see an xml sample and a description of the individual elements. First step is to **list all books** (get the full catalog / metadata of all books).

Next step is to **periodically get deltas** (new, updated and deleted books) since the last request.

LIST ALL PRODUCTS (INITIAL FEED)

Alternative 1

Call `ListAllBooks(Guid licenseKey)` to retrieve metadata of all available e-books and audiobooks.

`ListAllBooks` returns a `BookList` object containing `Book` objects containing relevant information about the book. Please see “Appendix A – Pubhub Metadata Format Description”, page 6, and “Appendix B – Code Samples”, page 8, for more details.

Use this method with care! It returns thousands of products. If you experience problems try to increase your web service client timeout.

Remember to store the date and time where you retrieved the data. You need this next time you want to retrieve a delta feed (new, updated and deleted books).

Alternative 2

Call `ListAllBookIds(Guid licenseKey)` followed by one or more calls to `ListBooks(Guid licenseKey, Guid[] bookIds)`.

`ListAllBookIds` returns a `BookIdList` object containing `BookId` objects. Convert the list to an array of `Guids` and use it as an argument to the method `ListBooks`.

Use this procedure to split the initial feed into smaller steps. It’s slightly more difficult to implement than “Alternative 1” but it’s easier to handle errors and it enables you to proceed and retry with certain subsets.

PERIODICALLY GET DELTAS (TRANSACTIONAL FEEDS)

Alternative 1

Call `ListModifiedBooks(Guid licenseKey, DateTime afterUtc)` to retrieve modified (new, updated and deleted) books since `afterUtc`.

ListModifiedBooks returns a BookList object containing Book objects containing relevant information about the book. Please see “Appendix A – Pubhub Metadata Format Description”, page 6, for more details.

Alternative 2

Call ListModifiedBookIds(Guid licenseKey, DateTime afterUtc) followed by GetBooks(Guid licenseKey, Guid[] bookIds).

ListModifiedBookIds returns a ModifiedBookIdList containing a list of BookId objects representing removed books and a list of BookId objects representing created or updated books.

FULFILLMENT

The fulfillment part of the web service consists of the methods OrderBook and DeleteOrder.

Call OrderBook(Guid licenseKey, string orderNumber, Guid bookId, string enduserEmailAddress) to create an e-book/audiobook order. The parameter enduserEmailAddress is not required. If an order was successfully created an OrderDetails object containing the following properties is returned:

DownloadUrl	A link to the e-book or audiobook
IsMailSend	A boolean telling if an e-mail was sent
PublicationDate	A date/time when the book can be downloaded (optional). If the value is null the book can be downloaded immediately

Important: The orderNumber must be unique!

Call DeleteOrder(Guid licenseKey, string orderNumber) to delete an already created order. An order can only be deleted as long as the customer has not tried to download the book.

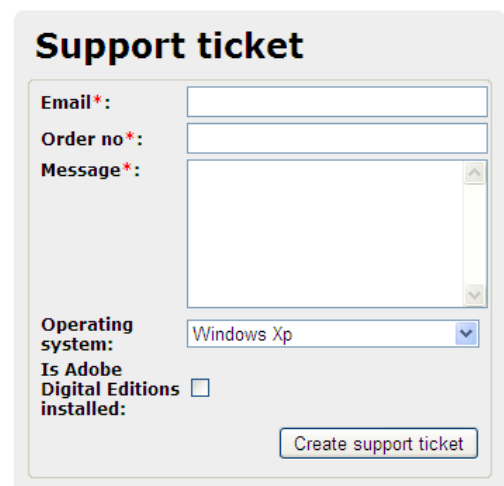
SUPPORT

Publizon has a customer service department taking care of support issues – that is questions to or problems with the e-books/audiobooks – from the end users.

Call CreateSupportCase(Guid licenseKey, string message, string creatorEmail, string orderNumber) to create a support case in Pubhub.

You can create a support form on your own website (see screenshot) and create the support case in Pubhub (by calling the above method) when the user submits the form.

Important: The most common cause of end user issues is that Adobe Digital Editions is not installed or that an unsupported operating system (like Linux) is used, so please ask the customer about this information in the support form (see the fields “Operating system” and “Is Adobe Digital Editions installed”). You have to include this information in the “message”-parameter in the webservice call.



Support ticket

Email*:

Order no*:

Message*:

Operating system:

Is Adobe Digital Editions installed:

SUBJECTS

At present Pubhub supports the industry standard subject classification system BIC (version 2, revision 01).

Call `ListAllBookSubjects(Guid licenseKey, LanguageCodeTypeEnum language)` to retrieve all BIC subjects.

`ListAllBookSubjects` returns a List of `Subject` objects containing an (subject) Id, a (subject) code, a (subject) description, a `LanguageCodeTypeEnum` and maybe an id of the parent subject.

PROMOTIONS

Pubhub delivers promotion material in the form of text or sound samples.

Call `GetPromotions(Guid licenseKey)` to retrieve all promotions that are currently active.

`GetPromotions` returns a `PromotionList` object containing `Promotion` objects. Here's an xml example of a promotion:

```
<Promotion>
  <Id>1025</Id>
  <Title>Albert</Title>
  <Description>Lydprøve</Description>
  <Identifier>9788702048018</Identifier>
  <IdentifierType>ISBN13</IdentifierType>
  <DownloadUrl>http://www.elib.se/sample_new/audio/ISBN8702048019.mp3</DownloadUrl>
</Promotion>
```

APPENDIX A – PUBHUB METADATA FORMAT DESCRIPTION

Below is an example of the “Book part” of the XML that is returned when calling one of the web service methods mentioned in “Book Catalog, page 3”.

```
<Book>
  <BookType>Ebog</BookType>
  <FileType>pdf</FileType>
  <BookId>03ab826b-9fef-45df-8136-06b680d2a0ef</BookId>
  <Identifier>9788750041955</Identifier>
  <IdentifierType>ISBN13</IdentifierType>
  <Title>Projektledeelse</Title>
  <SubTitle>mellem styring og læring</SubTitle>
  <Language>dan</Language>
  <PublicationDate>21-06-2010</PublicationDate>
  <Edition>1</Edition>
  <PublisherName>Akademisk Forlag</PublisherName>
  <NameOfBookSeries>Professionsserien</NameOfBookSeries>
  <MainDescription>Pædagoger indgår i flere og flere projekter som led i den stadige pædagogiske udvikling, og langt fra alle er enige om hvordan projekter skal gribes an. Pædagogisk udviklingsarbejde rummer på den ene side et organisatorisk sigte: Hvordan løser vi en given opgave bedst? På den anden side har det et læringsigte: Hvad skal børnene eller brugerne - og medarbejderne - have ud af det?</MainDescription>
  <ShortDescription>Bogen er målrettet pædagoger og ledere af forskellige pædagogiske institutioner. Den er desuden oplagt på pædagoguddannelsens fag 'Individ, institution og samfund' og elementerne 'praktikuddannelse', 'specialisering' og 'det tværprofessionelle element' samt på de pædagogiske diplomuddannelser.</ShortDescription>
  <DigitalProtection>AdobeDRM</DigitalProtection>
  <Price CurrencyCode="DKK">85</Price>
  <NumberOfPages>151 Sider</NumberOfPages>
  <FileSize>1902 KB</FileSize>
  <Authors>Tina Düsterdich</Authors>
  <RightList>
    <Right Type="Kopi"Count="10"/>
    <Right Type="Print"Count="500"/>
  </RightList>
  <Subjects>
    <SimpleSubject>
      <Code>JMRL</Code>
      <Description>Læring</Description>
    </SimpleSubject>
    <SimpleSubject>
      <Code>KJMP</Code>
      <Description>Projektledeelse</Description>
    </SimpleSubject>
  </Subjects>
  <Images>
    <Image Type="ForsideMiniature">http://images.pubhub.dk/Media/covers/thumbnails/03ab826b-9fef-45df-8136-06b680d2a0ef.jpg</Image>
    <Image Type="Forside">http://images.pubhub.dk/Media/covers/originals/03ab826b-9fef-45df-8136-06b680d2a0ef.jpg</Image>
  </Images>
</Book>
```

DESCRIPTION OF FIELDS

* = Mandatory

Field/Element	Data type (max length)	Description
BookType*	String(10)	"Ebog" or "Lydbog" (E-book or Audiobook)
FileType*	String(4)	zip, pdf or epub
BookId*	Guid	Unique Id of the book. Use this id when ordering a book
Identifier*	String(50)	Identifier (ISBN10, ISBN13 or GTIN13)
IdentifierType*	String(25)	ISBN10, ISBN13 or GTIN13
Title*	String(150)	Title of the e-book or audiobook
SubTitle	String(150)	Sub title of the book
Language	String(3)	Language code - ISO 639-2/B
PublicationDate	String(10)	Date of publication in the format dd-MM-yyyy
Edition	String(100)	A short free-text description of a version or edition
ImprintName	String(100)	The name of an imprint or brand under which the book is issued, as it appears on the book
PublisherName	String(100)	The name of an entity associated with the publishing of a product
PartNumber	String(20)	Part designation within a larger whole (eg Part I, or Volume 3)
NameOfBookSeries	String(150)	Title of the collection/series
MainDescription*	String(10000)	Main/long description of the book
ShortDescription	String(10000)	Annotation/short description of the book
DigitalProtection*	String(50)	"Ingen" = No protection. "DRM" = Protected with Digital Rights Management. "DigitalVandmaerkning" = Protected with digital watermark. AdobeDRM = Protected specifically with Adobe Digital Rights Management
Price*	Double	Retailers net price excluding VAT.
CurrencyCode*	String(3)	Currency code of the price (ISO 4217)
RecommendedPrice	Double	The recommended retail price including VAT
CurrencyCode	String(3)	Currency code of the recommended price
NumberOfPages	String(10)	Number of pages in the book, e.g. "151 Sider"
FileSize	String(20)	Size of the file in kilobyte, e.g. "1902 KB"
Athors*	String(1000)	Comma separated list of authors
TranslatedBy	String(500)	Person who translated the book
EditedBy	String(500)	Person who edited the book
RevisedBy	String(500)	Person who revised the book
RightList	-	A list of rights if the book is protected by DRM
Type	String(10)	The type of right. "Kopi" = Copy/paste or "Print" = print
Count	String(10)	The number of allowed copies/page-prints
Subjects	-	List of BIC subjects
SimpleSubject	-	
Code	String(30)	BIC code of the subject
Description	String(200)	Description of the BIC subject
Images	-	A list of images
Image	String(200)	Link/url to the image
Type	String(50)	Type of the image. "Forside" = Original cover or "ForsideMiniature" = Thumbnail of cover

IDENTIFIER TYPES

- 2 ISBN-10
- 3 GTIN-13
- 15 ISBN-13

LISTALLBOOKS

The following code snippet shows how to retrieve all books. It presupposes that you have added <http://test.publizon.dk:8083/MediaService.asmx> as a web reference in Visual Studio and named it "MediaService_Dev".

Please keep in mind that this is demonstration code, not production code.

```
Guid licenseKey = new Guid("99999999-AAAA-BBBB-CCCC-999999999999");
MediaService_Dev.MediaService ws = new MediaService_Dev.MediaService();
MediaService_Dev.Book[] books = ws.ListAllBooks(licenseKey);
foreach (var book in books)
{
    // Do something with each book
}
```