Pubhub Web Service

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E-Book Integration Guide

Retailer Customers

November 2021

v2.4

TABLE OF CONTENTS

Date	Version	Comment
2010-11-11	1.4	1. Methods **ListAllBooks** and **ListBooks** now returns an array of new specialized Book objects called **Book1_4** objects containing two additional properties: **PriceBeforeDiscount** and **TransactionCost**. Examples in XML: <PriceBeforeDiscount CurrencyCode="DKK">235</PriceBeforeDiscount> <TransactionCosts CurrencyCode="DKK">10</TransactionCosts> 2. Method **GetBook** now takes **licenseKey** as a Guid (and not as a string) and now returns a **Book1_4** object (see 1.) 3. Method **ListModifiedBookList** now returns a new specialized ModifiedBookList called **ModifiedBookList1_4**. The property **NewAndModifiedBooks** now returns an array of **Book1_4** objects (see 1.) The value of **Price** (<Price>) is still the net price that the retailer will be invoiced, but it's now the price after a possible discount. The value of **PriceBeforeDiscount** is as it says the price before a possible discount. In this way it's possible to calculate the actual discount. The values of Price and PriceBeforeDiscount will be the same if there is no discount at the moment. The value of **TransactionCost** is the transaction fee (in DKK) that the retailer pays Pubhub. This transaction cost is included in Price! 4. Method **DeleteOrder** has been renamed to **CancelOrder** because the order isn't actually deleted in Pubhub. It is only 3eing cancelled. If you upgrade to version 1.4 of the web service and you worked with Book objects in the previous version then it shouldn't be necessary to update your code to use Book1_4 objects (if you don't need PriceBeforeDiscount and TransactionCost) because they are still Book objects. You must change your code to use CancelOrder instead of DeleteOrder though.
2011-05-10	1.4	1. TransactionCost has been removed from Book1_4 2. It's now required to use SSL/https in production environment 3. Method GetPromotions has been replaced with the field Book.SampleUrl
2012-02-23	1.4	Link to code samples in Appendix C changed.
2012-09-25	1.4	Method OrderBookByIsbn added.
2013-04-17	1.4	Test base url changed from http://test.publizon.dk:8083 to http://service.qa.pubhub.dk
2013-12-10	1.5	1. Method CancelOrder is now less restrictive. Cancellation is now allowed even if the download url has been executed up to 1 time and always if it's a DRM order. This has been changed in all versions of the API (1.3, 1.4 and 1.5). The error code is still the same (50009) but the error message has been changed to "ContentVersionOrder {[orderNumber]} cannot be cancelled" instead of "ContentVersionOrder {[orderNumber]} cannot be cancelled because DownloadCount > 0". 2. New field <BookFormat> (Reflowable or FixedFormat) added. Applicable for epub only. Nullable. 3. New field <FileVersion> added. Applicable for epub only. Will only be present if file version exists. 4. New field <SubscriptionSaleAllowed> (true or false) added. Will always be present. 5. Illustrator added – that is 0..n contributors with ContributorRoleCode A12 (illustrators) will now be returned. 6. New field <BiographicalNote> added to contributor. Will only be present if a biographical note exists. 7. New field <Websites> added to contributor. The element will be empty if there's no contributor websites. 1..n <website> child elements with <Id>, <WebsiteRole> and <WebsiteLink> will be present if there's one or more contributor websites.
2014-10-24	1.6	<PrereleaseDate> added. Contains a date up to 14 days before the PublicationDate if the supplier has made an exclusivity agreement with the retailer on the product.
2015-10-19	1.7	1. Changed from BIC to Thema codes.

		2. New field <MainSubject> added to <SimpleSubject>. Will only be present in the main <SimpleSubject>.
2016-01-19	1.7.1	Fixed field descriptions.
2017-05-04	1.8	New field <PublisherId> added.
2018-02-13	1.8.1	New CreateSupportCase errors added.
2018-02-26	1.8.2	New method GetAudioStreamUrl added.
2019-01-08	1.9	New BookType, "Podcast" added.
2020-04-24	2.0	New retailer company type added.
2020-06-19	2.1	Fixed "Podcast" BookType in some endpoints.
2020-10-05	2.1.1	Dynamic image / cover scaling added – e.g. https://images.pubhub.dk/originals/03ab826b-9fef-45df-8136-06b680d2a0ef.jpg?width=1400
2021-07-23	2.2	New method OrderBookIncludeUserId added. Use of this requires a "streaming agreement" with Publizon. Duration field added to this documentation (it has always been outputted)
2021-08-03	2.3	New method RequestOrderDetails added. This can return order details about an already created order.
2021-11-10	2.4	New field <ForChildren> added.

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.

Thema   A new global subject classification system for books (http://www.editeur.org/151/thema/).

ISNI   "International Standard Name Identifier" is an ISO standard, in use by numerous libraries, publishers, databases, and rights management organizations around the world. It is used to uniquely identify persons and organizations involved in creative activities, as well as public personas of both, such as pseudonyms, stage names, record labels or publishing imprints.

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 service.qa.pubhub.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://service.qa.pubhub.dk/Retailer/V23/MediaService.asmx

Production environment:
https://service.pubhub.dk/Retailer/V23/MediaService.asmx

**Attention: SSL/https is enabled in production.**

INTEGRATION OVERVIEW

Pubhub is a distribution hub for digital content (ie. E-books, podcasts and audiobooks). It contains thousands of books that you as a retailer can offer your customers. All communication goes through a web service interface. After you have signed a contract with Publizon and received your license key to the web service, the general flow is as follows:

1. You request and retrieve an <u>initial full metadata feed</u> containing information about all available books (like ISBN, title, author, price, links to cover images and subjects). You store these data on your own server – in a database, in xml files or any other format of your own choice.
2. You run <u>nightly metadata updates</u> (delta feeds) containing new, modified and removed books. You add new books, update modified books and delete/deactivate removed books on your server.
3. When a customer buys an e-book or audiobook in your webshop you <u>place an order</u> in Pubhub. You can supply the customer's e-mail address and Pubhub will send an order confirmation (based on your own e-mail template) containing a download link to the book <u>or</u> you can let your own system send an e-mail. You handle the payment between your shop and the customer yourself and you will be invoiced the price specified in the metadata feed.
4. If the customer regrets buying the e-book/audiobook you can <u>cancel the order</u> in Pubhub. An order can only be cancelled if the download link has not yet been clicked.
5. If the customer needs help to read the e-book or play the audiobook you can <u>create a support case</u> in Pubhub and a supporter will look at the problem and send an e-mail back to the customer.

DETAILED DESCRIPTION

INITIAL FULL METADATA FEED – ALTERNATIVE 1

Retailer Server

ListAllBooks

Metadata of all books

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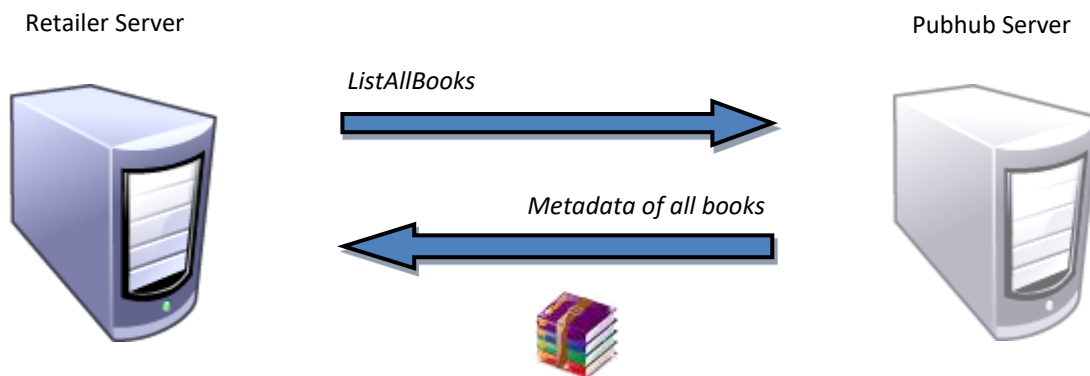
Call `ListAllBooks(`Guid` licenseKey)` to retrieve metadata of all available e-books and audiobooks.

`ListAllBooks` returns an array of `Book` objects containing relevant information about the book. Please see "Appendix A – Pubhub Metadata Format Description", page 12, and "Appendix C – Code Samples (C#)", page 16, for more details.

<u>Use this method with care!</u> It returns thousands of products. If you experience problems try to increase your web service client timeout or use "Alternative 2".
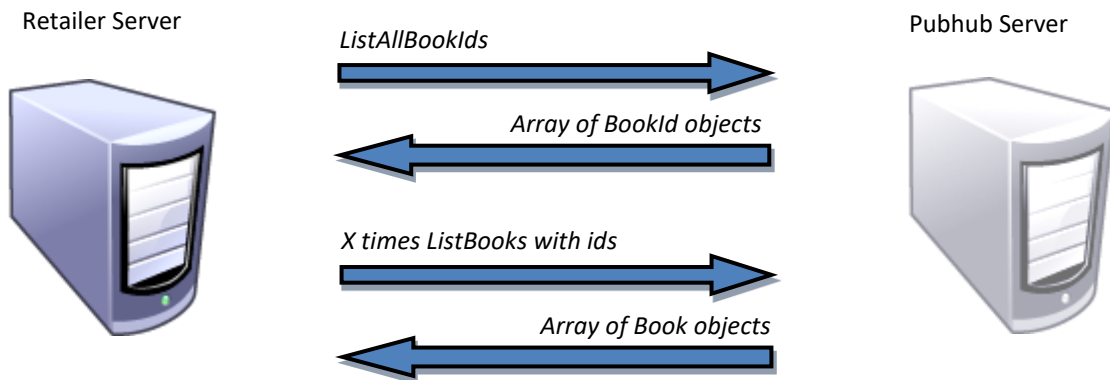
Remember to store the date and time where you retrieved the data. You need this next time you want to retrieve a delta feed (new, updated and deleted books).

ERROR MESSAGES

`ListAllBooks` can return the following error codes and messages (see "Appendix B – Error Format", page 16, for more details)

ErrorCode	ErrorMessage
50001	Invalid LicenseKey {[GUID]}
59999	An unexpected error occurred

INITIAL FULL METADATA FEED – ALTERNATIVE 2

Retailer Server   ListAllBookIds   Pubhub Server

Array of BookId objects

X times ListBooks with ids

Array of Book objects

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

`ListAllBookIds` returns an array of `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.

ERROR MESSAGES

`ListAllBookIds` and `ListBooks` can return the following error codes and messages (see "Appendix B – Error Format", page 16, for more details)

ErrorCode	ErrorMessage
50001	Invalid LicenseKey {[GUID]}
59999	An unexpected error occurred

NIGHTLY METADATA UPDATES (DELTA FEED) – ALTERNATIVE 1

Retailer Server | *ListModifiedBooks* → *New, updated and removed books* ← | Pubhub Server
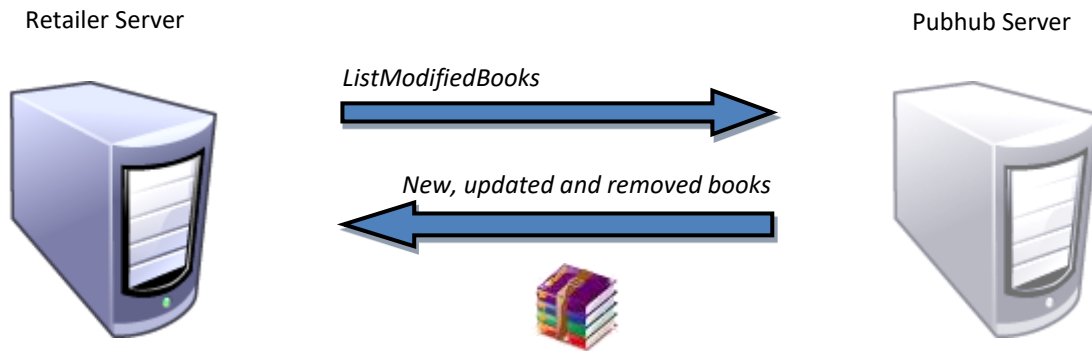
Call `ListModifiedBooks(`Guid `licenseKey,` DateTime `afterUtc)` to retrieve modified (new, updated and deleted) books since `afterUtc`. It's a good idea that you store the date and time (in UTC format) each time you call this method so that you know when to get modifications from next time you call the method.

`ListModifiedBooks` returns a `ModifiedBookList` object containing 2 properties: `NewAndModifiedBooks` and `RemovedBooks`.

`NewAndModifiedBooks` is an array of `Book` objects representing new and updated books since afterUtc. Please see "Appendix A – Pubhub Metadata Format Description", page 12, for more details.

`RemovedBooks` is an array of `BookId` objects representing id's of books, that cannot be ordered in Pubhub any longer. It's important that you remove these books from your store.

Updated metadata in Pubhub will be available by midnight oolea time.

ERROR MESSAGES

`ListModifiedBooks` can return the following error codes and messages (see "Appendix B – Error Format", page 16, for more details)

ErrorCode	ErrorMessage
50001	Invalid LicenseKey {[GUID]}
59999	An unexpected error occurred

NIGHTLY METADATA UPDATES (DELTA FEED) – ALTERNATIVE 2

Retailer Server | *ListModifiedBookIds* → *Array of BookId objects* ← *X times ListBooks with ids* → *Array of Book objects* ← | Pubhub Server

Call `ListModifiedBookIds(Guid licenseKey, DateTime afterUtc)` to retrieve id's of modified (new, updated and deleted) books since `afterUtc`. It's a good idea that you store the date and time (in UTC format) each time you call this method so that you know when to get modifications from next time you call the method.

`ListModifiedBookIds` returns a `ModifiedBookIdList` object containing 2 properties: `NewAndModifiedBooks` and `RemovedBooks`.

`NewAndModifiedBooks` is an array of `BookId` objects representing the id of new and updated books since afterUtc. Please see "Appendix A – Pubhub Metadata Format Description", page 13, for more details. Call `ListBooks(Guid licenseKey, Guid[] bookIds)` X number of times to retrieve the new and updated books.

`RemovedBookIds` is an array of `BookId` objects representing id's of books, that cannot be ordered in Pubhub any longer. It's important that you remove these books from your store.
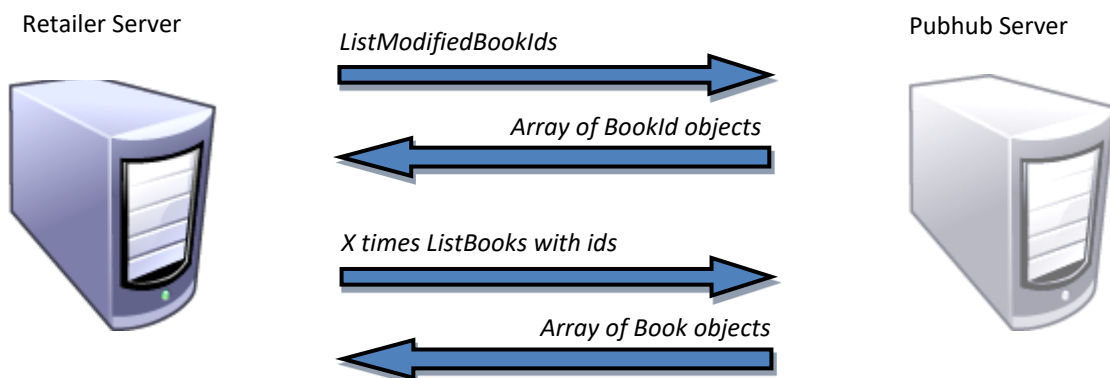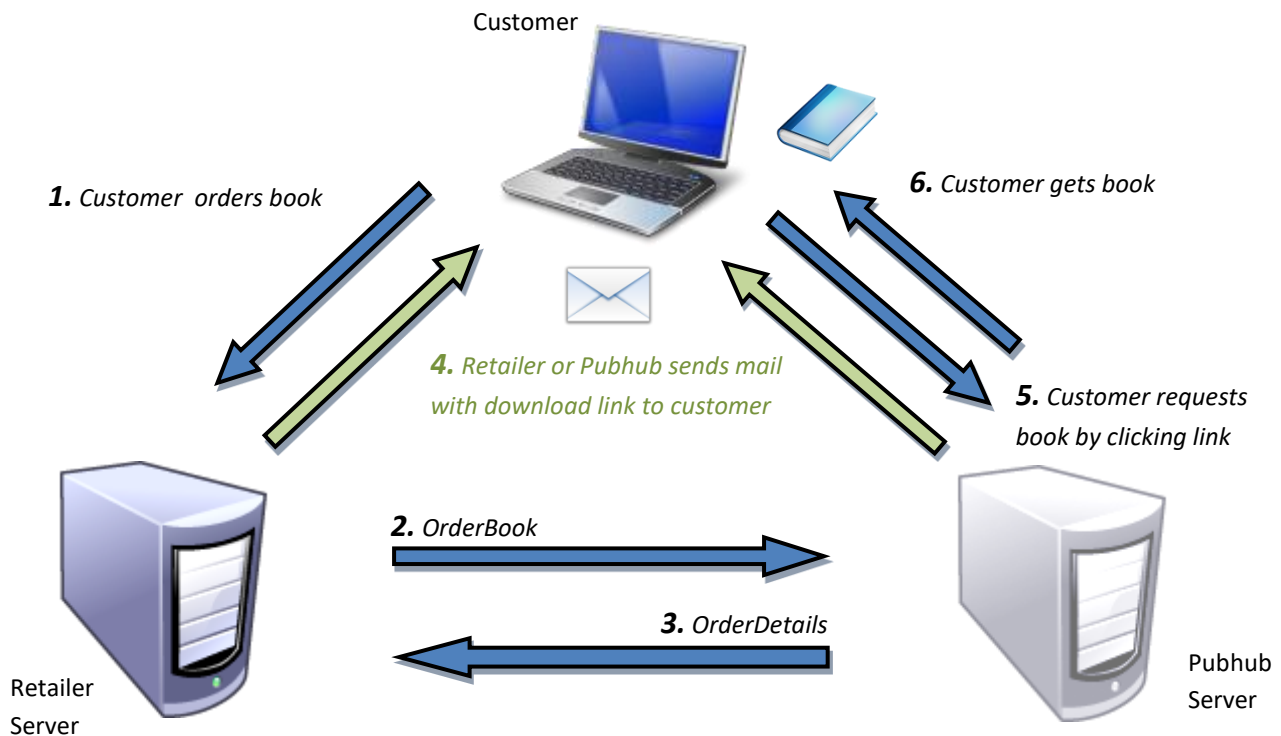
Updated metadata in Pubhub will be available by midnight oolea time.

ERROR MESSAGES

`ListModifiedBookIds` and `ListBooks` can return the following error codes and messages (see "Appendix B – Error Format", page 16, for more details)

ErrorCode	ErrorMessage
50001	Invalid LicenseKey {[GUID]}
59999	An unexpected error occurred

CREATE ORDER

Customer

1. *Customer orders book*

6. *Customer gets book*

4. *Retailer or Pubhub sends mail with download link to customer*

5. *Customer requests book by clicking link*

2. *OrderBook*

3. *OrderDetails*

Retailer Server

Pubhub Server

Call:

- OrderBook(`Guid` licenseKey, `string` orderNumber, `Guid` bookId, `string` enduserEmailAddress) or
- OrderBookByIsbn(`Guid` licenseKey, `string` orderNumber, `string` isbn13, `string` enduserEmailAddress)
- OrderBookIncludeUserId(`Guid` licenseKey, `string` orderNumber, `Guid` bookId, `string` enduserEmailAddress, `string` userId)

…to create an e-book/audiobook order. It's recommended to use OrderBook because bookId is the primary key that never changes. Isbn13 numbers can change so it's very important to ensure proper updating of isbn13 numbers as a part of the nightly metadata updates if OrderBookByIsbn13 is used.

OrderBookIncludeUserId supports audiobooks and should only be used if you have a streaming agreement.

(It is possible to see the order details for an already created order by calling: RequestOrderDetails(`Guid` licenseKey, `string` orderNumber))

Important: The orderNumber must be unique!

If you supply the parameter enduserEmailAddress Pubhub will send an order confirmation e-mail (based on the retailers e-mail template) containing a download link to the book. If an order was successfully created an `OrderDetails` object containing the following properties is returned:

IsMailSend	A oolean 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. If the date is in the future the book cannot be download until the date is reached.
DownloadUrl	A link to the e-book or audiobook. The download url has the following format in production: http://service.pubhub.dk/Download.aspx?id=[orderId] where orderId is Pubhub's internal order guid. When activated the link will redirect to another url based on the type of the ordered book: - If the book is an epub or pdf e-book either protected with a watermark or not protected the link redirects to an url that generates the file. - If the book is protected with DRM the link redirects to a url pointing to an Adobe Content Server which returns a .acsm file that retrieves the book when clicked. - If the book is an audiobook the link redirects to a server that is able to generate, watermark, compress and return the audiobook as a zip file.

ERROR MESSAGES

OrderBook and OrderBookByIsbn can return the following error codes and messages (see "Appendix B – Error Format", page 16, for more details)

ErrorCode	ErrorMessage
50001	Invalid LicenseKey {[GUID]}
50003	Invalid OrderNumber {[orderNumber]}: There is already an order with that order number
50014	Invalid bookId {[GUID]}
50015	bookId {[GUID]} is not active
59999	An unexpected error occurred

Furthermore, OrderBookByIsbn can return the following error code and message

ErrorCode	ErrorMessage
50019	Invalid isbn13 {[ISBN13]}
50020	Isbn13 {[ISBN13]} not found

Furthermore, OrderBookIncludeUserId can return the following error code and message

ErrorCode	ErrorMessage
50060	Audiobook not found
50061	Book is not an audiobook
50062	Audiobook has no duration
50063	Book is not available for streaming
50064	No streaming agreement defined

CANCEL ORDER

Call `CancelOrder(Guid licenseKey, string orderNumber)` to cancel an already created order. An order can be cancelled if it has been downloaded up to 1 time or it's a DRM order and the order is not older than 30 days.

ERROR MESSAGES

`CancelOrder` can return the following error codes and messages (see "Appendix B – Error Format", page 16, for more details)

ErrorCode	ErrorMessage
50001	Invalid LicenseKey {[GUID]}
50004	Invalid Order: There is no ContentVersionOrder by retailer {[retailerId]} with the OrderNumber {[orderNumber]}.
50009	ContentVersionOrder {[orderNumber]} cannot be cancelled because DownloadCount > 0
59999	An unexpected error occurred

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: Windows Xp
Is Adobe Digital Editions installed: ☐

Create support ticket

ERROR MESSAGES

`CreateSupportCase` can return the following error codes and messages (see "Appendix B – Error Format", page 16, for more details)

ErrorCode	ErrorMessage
50001	Invalid LicenseKey {[GUID]}
50008	Order id not found {[orderNumber]}: The order id was not found in the database.
50057	E-mail is required
50058	Message is required
59999	An unexpected error occurred

SUBJECTS

As of version 1.7, Pubhub supports the global subject classification system Thema (version 1.1).

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

AUDIO STREAM

In addition to getting a download link, retailers can now get a direct MP3 stream URL for a specific order. The URL will only be valid for 24 hours after generating it, so this method should be called every time a user wants to stream the audio book to generate a new temporary URL.

Call `GetAudioStreamUrl(Guid licenseKey, string orderNumber)` to get a temporary direct MP3 stream URL.

Below is an example of the "Book part" of the XML returned when making metadata request.

```xml
<Book>
    <BookType>Ebog</BookType>
    <FileType>pdf</FileType>
    <BookId>03ab826b-9fef-45df-8136-06b680d2a0ef</BookId>
    <Identifier>9788750041955</Identifier>
    <IdentifierType>ISBN13</IdentifierType>
    <Title>Projektledelse</Title>
    <SubTitle>mellem styring og læring</SubTitle>
    <Language>dan</Language>
    <PublicationDate>21-06-2010</PublicationDate>
    <PrereleaseDate>15-06-2010</PrereleaseDate>
    <Edition>1</Edition>
    <PublisherId>73</PublisherId>
    <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
        læringssigte: 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>
    <Contributors>
        <Contributor>
            <Id>29842</Id>
            <ContributorRoleCode>A01</ContributorRoleCode>
            <ContributorRoleName>By (author) </ContributorRoleName>
            <NamesBeforeKey> Tina </NamesBeforeKey>
            <KeyNames> Düsterdich </KeyNames>
            <Websites/>
        </Contributor>
    </Contributors>
    <NumberOfPages>151 Sider</NumberOfPages> <!—Ebooks only! →
    <FileSize>1902 KB</FileSize>
    <SubscriptionSaleAllowed>true</SubscriptionSaleAllowed>
    <Duration>117 Minutter</Duration> <!—Audiobooks and podcasts only! →
    <Authors>Tina Düsterdich</Authors>
    <ForChildren>false</ForChildren>
    <RightList>
        <Right Type="Kopi" Count="10"/>
        <Right Type="Print" Count="500"/>
    </RightList>
    <Subjects>
        <SimpleSubject>
            <MainSubject/>
            <Code>JMR</Code>
            <Description>Kognitiv psykologi</Description>
        </SimpleSubject>
        <SimpleSubject>
            <Code>KJMP</Code>
            <Description>Projektledelse</Description>
        </SimpleSubject>
```

```
      </Subjects>
    <Images>
        <Image Type="ForsideMiniature">https://images.pubhub.dk/thumbnails/03ab826b-9fef-45df-8136-
06b680d2a0ef.jpg</Image>
        <Image Type="Forside">https://images.pubhub.dk/originals/03ab826b-9fef-45df-8136-
06b680d2a0ef.jpg</Image>
    </Images>
    <PriceBeforeDiscount CurrencyCode="DKK">85</PriceBeforeDiscount>
</Book>
```

DESCRIPTION OF FIELDS

* = Mandatory

Field/Element	Data type (max length)	Description
BookType*	String(10)	"Ebog", "Lydbog" or "Podcast" (E-book, Audiobook or Podcast)
FileType*	String(7)	zip_mp3, 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
PrereleaseDate	String(10)	Date of prelease date in the format dd-MM-yyyy. Same as PublicationDate if there is no special prerelease date.
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(max)	Main/long description of the book
ShortDescription	String(max)	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 including transaction cost and 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"
BookFormat	String(50)	Reflowable or FixedFormat
FileVersion	String(5)	File version, e.g. 2.0.1 or 3.0. Applicable for epub only.
Contributors	-	List of contributors
Contributor	-	
Id*	Integer	Id of the contributor
ContributorRoleCode*	String(3)	A01=Author, A12=Illustrated by, B01=Edited by, B02=Revised by, B06=Translated by, E07=Read by
ContributorRoleName*	String(50)	Name of the contributor role, e.g. "By (author)"
NamesBeforeKey	String(100)	Usually first name

KeyNames*	String(100)	Usually last name
BiographicalNote	String(4000)	Biographical note
Websites	-	List of websites
Website	-	
Id	Guid	Id of website
WebsiteRole	Byte	See "Website Roles" below
WebsiteLink	String(200)	Url to the website
Duration	String(200)	"X Minutter" – always in this format
Authors*	String(max)	Comma separated list of authors
TranslatedBy	String(max)	Person(s) who translated the book
EditedBy	String(max)	Person(s) who edited the book
RevisedBy	String(max)	Person(s) who revised the book
IllustratedBy	String(max)	Person(s) who made illustrations for the book
ForChildren	Boolean	true if audience is classified for children. false if classified for adults.
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 Thema subjects
SimpleSubject	-	
MainSubject	-	Empty element. Only present in the main Thema subject.
Code	String(30)	Thema code of the subject
Description	String(750)	Description of the Thema subject
Images	-	A list of images
Image	String(200)	Link/url to the image. It is possible to add a width or height parameter to the image URL – e.g. https://images.pubhub.dk/originals/03ab826b-9fef-45df-8136-06b680d2a0ef.jpg?width=1400.
Type	String(50)	Type of the image. "Forside" = Original cover or "ForsideMiniature" = Thumbnail of cover
PriceBeforeDiscount	Double	The price before a possible discount (including transaction cost)

IDENTIFIER TYPES

2   ISBN-10

3   GTIN-13

15 ISBN-13

WEBSITE ROLES

0   Unspecified, see website description

1   Publisher's corporate website

2   Publisher's website for a specified work

6   Contributor's own website

7   Publisher's website relating to specified contributor

8   Other publisher's website relating to specified contributor

9   Third-party website relating to specified contributor

10 Contributor's own website for specified work

11 Other publisher's website relating to specified work

12 Third-party website relating to specified work

13 Contributor's own website for group or series of works

14 Publisher's website relating to group or series of works

15 Other publisher's website relating to group or series of works

16 Third-party website relating to group or series of works (eg a fan site)

23 Author blog

APPENDIX B – ERROR FORMAT

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <soap:Fault>
      <faultcode>soap:Client</faultcode>
      <faultstring>System.Web.Services.Protocols.SoapException: Invalid LicenseKey {886cf071-65e6-4054-80ed-bd70b2a22cd6}
   ved Publizon.WebService.MediaService1_4.OrderBook(Guid licenseKey, String orderNumber, Guid bookId, String enduserEmailAddress)</faultstring>
      <faultactor>http://localhost:1449/MediaService1_4.asmx</faultactor>
      <detail>
        <Error xmlns="http://service.pubhub.dk/">
          <ErrorNumber>50001</ErrorNumber>
          <ErrorMessage>Invalid LicenseKey {886cf071-65e6-4054-80ed-bd70b2a22cd6}</ErrorMessage>
        </Error>
      </detail>
    </soap:Fault>
  </soap:Body>
</soap:Envelope>
```

APPENDIX C – CODE SAMPLES (C#)

You can find a C#.NET project that demonstrates the different web service methods here:

http://service.qa.pubhub.dk/CodeSamples/csharpdotnet.rar

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