

Pubhub Web Services

Third Party ONIX REST API Integration Guide

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v1.7

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REVISION HISTORY

Date	Version	Comment
2017-02-20	1.0	First edition
2017-08-22	1.1	Audio download URL changed from ftp://ftp.pubhub.dk/[id].mp3 to http://audiozipper.pubhub.dk/[id].zip now containing 96kbit mp3-tracks.
2020-01-20	1.2	New chapter "Dataflow Description" added to this document/guide. Nothing has been changed in the API itself.
2020-02-25	1.3	API version 4 added: <ul style="list-style-type: none">- ":" removed in datestamp attribute value- ExtentType 50, 51 and 52 removed (to comply 100% to ONIX)
2020-10-12	1.4	Dynamic image / cover scaling added – e.g. https://images.pubhub.dk/originals/03ab826b-9fef-45df-8136-06b680d2a0ef.jpg?width=1400
2022-03-02	1.6	New field <TradeCategory>=17 added for podcasts
2022-08-18	1.7	Api version 1.7 added: Now supporting Onix 1.0.7 / The New Danish Onix Subset

HOW TO ACCESS THE WEB SERVICE

The ONIX REST API exists in two separate environments, each with their own server, code and database. Please use the web service located at **onix.qa.pubhub.dk** when developing and testing! Please request a new license key for the production environment when you're ready to go live.

Test / development environment:

<http://onix.qa.pubhub.dk/v7/>

Production environment:

<https://onix.pubhub.dk/v7/>

Attention: Use SSL/https in production!

The ebooks and audiobooks are available through download from <ftp://ftp.pubhub.dk> / <http://audiozipper.pubhub.dk> (see <WebsiteLink> in ONIX). Please request license key and FTP username + password from Publizon. As of Api version 1.7 besides the mp3 files a new JSON audio manifest file with information about chapter beginnings is included in the zip file if any chapters are defined for the audiobook.

DATAFLOW DESCRIPTION

The ONIX REST API returns product metadata in the ONIX format¹. This metadata contains links to media files, that is e-books (epub/pdf), audiobooks (zip) and covers (jpg/png).

First you need to retrieve *all products* using the endpoint `/v[X]/products` (where [X] is the current version of the API). We call this the **alpha-pull**.

Subsequently you need to retrieve updates (that is new, changed and deleted products) regularly (we recommend 00:30 CET each day, because the API will begin refreshing its cache at 00:05 CET) using the same endpoint as described above (`/v[X]/products`) but with the parameter `fromUtc=[YYYY-MM-DDTHH:MM:SS]`. We call this the **delta-pulls**.

The following example illustrates a delta-pull:

<https://onix.pubhub.dk/v7/products/?fromUtc=2020-01-19T23:30:00>

(with your license key as a request header, see next chapter for details).

This call will return all products that have been updated since the supplied datetime-stamp (here 2020-01-19 23:30 UTC!).

When you have successfully retrieved and imported all products, we recommend that you store the date and time where you called the API. This way you know that you have all data up to this point. Next time you make a delta-pull you then use the stored datetime-stamp as `fromUtc`.

Here's an example of the flow:

API call datetime	Endpoint	Type
2020-01-19 23:30:00 UTC	<code>/v[X]/products</code>	Alpha-pull
2020-01-20 23:30:00 UTC	<code>/v[X]/products/?fromUtc=2020-01-19T23:30:00</code>	Delta-pull
2020-01-21 23:30:00 UTC	<code>/v[X]/products/?fromUtc=2020-01-20T23:30:00</code>	Delta-pull
2020-01-22 23:30:00 UTC	<code>/v[X]/products/?fromUtc=2020-01-21T23:30:00</code>	Delta-pull

Please notice:

- Currently it's not possible to see if a media file (referenced by a link) has changed. So please always download the media files.
- The value of the `timestamp` attribute on the Product element in the ONIX output is the date and time where either metadata or files was last updated – it is NOT the date and time where it was added to or removed from you as a receiver so please do not use this timestamp to determine if you should create/update/remove the product in your end! If for instance the API returns 5 products when calling the API with a given `fromUtc` date you should create/update/remove all 5 products in your end even though a timestamp value is prior to the `fromUtc` date and time.

¹ See <https://www.editeur.org/83/Overview/>

ENDPOINT DESCRIPTIONS

/PRODUCTS

Returns all products in the ONIX format.

Test: GET <http://onix.qa.pubhub.dk/v7/products>

Prod: GET <https://onix.pubhub.dk/v7/products>

Request headers

Parameter name	Type	Description
x-service-key	String	Client's license key (please request this from Publizon)

Response

Below is an example of ONIX output. Please see <http://danskonix.dk> for detailed information about the individual ONIX fields and supported code list codes.

```
<ONIXMessage release="3.0" xmlns="http://ns.editeur.org/onix/3.0/reference">
  <Header>
    <Sender>
      <SenderName>Publizon</SenderName>
      <ContactName>Steffen Soerensen</ContactName>
      <EmailAddress>scs@publizon.dk</EmailAddress>
    </Sender>
    <SentDateTime>20170220</SentDateTime>
  </Header>
  <Product datestamp="20120203T151325Z">
    <RecordReference>824e6287-2518-47e2-8e83-862faa5d</RecordReference>
    <NotificationType>05</NotificationType>
    <ProductIdentifier>
      <ProductIDType>15</ProductIDType>
      <IDValue>9788792211286</IDValue>
    </ProductIdentifier>
    <DescriptiveDetail>
      <ProductComposition>00</ProductComposition>
      <ProductForm>ED</ProductForm>
      <PrimaryContentType>10</PrimaryContentType>
      <EpubTechnicalProtection>02</EpubTechnicalProtection>
      <TitleDetail>
        <TitleType>01</TitleType>
        <TitleElement>
          <TitleElementLevel>01</TitleElementLevel>
          <TitleText>Clavigo</TitleText>
        </TitleElement>
      </TitleDetail>
      <Contributor>
        <ContributorRole>A01</ContributorRole>
        <NamesBeforeKey>Johann wolfgang</NamesBeforeKey>
        <KeyNames>Goethe</KeyNames>
      </Contributor>
      <Language>
        <LanguageRole>01</LanguageRole>
        <LanguageCode>dan</LanguageCode>
      </Language>
      <Extent>
        <ExtentType>22</ExtentType>
        <ExtentValue>51</ExtentValue>
        <ExtentUnit>18</ExtentUnit>
      </Extent>
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```

```

    <SubjectSchemeIdentifier>12</SubjectSchemeIdentifier>
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  </Subject>
  <Subject>
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    <SubjectCode>DD</SubjectCode>
  </Subject>
</DescriptiveDetail>
<CollateralDetail>
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    <TextType>03</TextType>
    <ContentAudience>00</ContentAudience>
    <Text><![CDATA[Sørgespil i 5 akter - Goethe skrev stykket på kun 8 dage, og det
er forøvrigt det første værk som han satte sit eget navn på. Stykket blev meget dårligt
modtaget, men det skal man ikke lade sig afskrække af.]]></Text>
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4ccb-ae7f-00009faaa120.jpg</ResourceLink>
      </ResourceVersion>
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<Product>
  ...
</Product>
</ONIXMessage>

```

/PRODUCTS/{ISBN13}

Returns a specific product – identified by isbn13 – in the ONIX format.

Test: GET <http://onix.qa.pubhub.dk/v7/products/{isbn13}>

Prod: GET <https://onix.pubhub.dk/v7/products/{isbn13}>

Request headers

Parameter name	Type	Description
x-service-key	String	Client's license key (please request this from Publizon)

Response

Below is an example of ONIX output. Please see <http://danskonix.dk> for detailed information about the individual ONIX fields and supported code list codes.

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<ONIXMessage release="3.0" xmlns="http://ns.editeur.org/onix/3.0/reference">
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      <ContactName>Steffen Soerensen</ContactName>
      <EmailAddress>scs@publizon.dk</EmailAddress>
    </Sender>
    <SentDateTime>20170220</SentDateTime>
  </Header>
  <Product datestamp="20120203T151325Z">
    <RecordReference>824e6287-2518-47e2-8e83-862faa5d</RecordReference>
    <NotificationType>05</NotificationType>
    <ProductIdentifier>
      <ProductIDType>15</ProductIDType>
      <IDValue>9788792211286</IDValue>
    </ProductIdentifier>
    <DescriptiveDetail>
      <ProductComposition>00</ProductComposition>
      <ProductForm>ED</ProductForm>
      <PrimaryContentType>10</PrimaryContentType>
      <EpubTechnicalProtection>02</EpubTechnicalProtection>
      <TitleDetail>
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        <TitleElement>
          <TitleElementLevel>01</TitleElementLevel>
          <TitleText>Clavigo</TitleText>
        </TitleElement>
      </TitleDetail>
      <Contributor>
        <ContributorRole>A01</ContributorRole>
        <NamesBeforeKey>Johann wolfgang</NamesBeforeKey>
        <KeyNames>Goethe</KeyNames>
      </Contributor>
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        <LanguageRole>01</LanguageRole>
        <LanguageCode>dan</LanguageCode>
      </Language>
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        <ExtentType>22</ExtentType>
        <ExtentValue>51</ExtentValue>
        <ExtentUnit>18</ExtentUnit>
      </Extent>
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        <SubjectCode>DD</SubjectCode>
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    </Product>
  </ONIXMessage>
```

```

<Subject>
  <MainSubject />
  <SubjectSchemeIdentifier>93</SubjectSchemeIdentifier>
  <SubjectCode>DD</SubjectCode>
</Subject>
</DescriptiveDetail>
<CollateralDetail>
  <TextContent>
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    <ContentAudience>00</ContentAudience>
    <Text><![CDATA[Sørgespil i 5 akter - Goethe skrev stykket på kun 8 dage, og det
er forøvrigt det første værk som han satte sit eget navn på. Stykket blev meget dårligt
modtaget, men det skal man ikke lade sig afskrække af.]]></Text>
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  <SupportingResource>
    <ResourceContentType>01</ResourceContentType>
    <ContentAudience>00</ContentAudience>
    <ResourceMode>03</ResourceMode>
    <ResourceVersion>
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4ccb-ae7f-00009faaa120.jpg</ResourceLink>
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      <SupplierName>SFA-89</SupplierName>
      <Website>
        <websiteLink>ftp://ftp.pubhub.dk/22f9ae8a-8fc2-4ccb-ae7f-00009faaa120.epub</websiteLink>
      </Website>
    </Supplier>
    <ProductAvailability>20</ProductAvailability>
  </SupplyDetail>
</ProductSupply>
</Product>
</ONIXMessage>

```