Technical documentation for Library data partner access

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Introduction

Technical details on each API referenced here can be found online on Bokbasen's technical documentation wiki http://documentation.bokbasen.no, each service needed is also directly linked in each sub chapter. This guide is meant to give an overview of the APIs that are relevant for integrators with library partner access that gives access to:

- Downloading ebooks and audio books that are available for library lending
- Getting metadata on all books including library licence pricing
- Reporting licence sales back to publishers

Authentication

All Bokbasen's APIs are using the same authentication scheme, and you can use the same token across all services.

You create a TGT using a username and password that is valid for up to two hours, and this is reused on all other API calls mentioned in this document.

Service documentation
https://bokbasen.jira.com/wiki/spaces/api/pages/48955430/Authentication+Service

Download EPUB and Audio files

To access these files, one is calling the digital distribution service (DDS) to get an inventory report, this will give all books with changes since last time with an indicator if the resource is accessible in any library model. This gives access to books in various formats depending on what the publisher have chosen, currently the different formats are:

- EPUB 2/3
- PDF
- EBP
- MP3

EPUB files are watermarked with the name of the integrating partner.

Based on the information in the XML feed from the inventory services you call the download API for libraries which will return an URL the binary file for download.

Service documentation

Service	URL to API documentation
Inventory service	https://bokbasen.jira.com/wiki/spaces/api/pages/61964312/Inventory#Inventory-Getinventory(v2)

Download service	https://bokbasen.jira.com/wiki/spaces/api/pages/119572243/API#API-DownloadcontentAPI

Access to metadata

All metadata is provided in the international standard ONIX3. For details on the standard and documentation see http://www.editeur.org/93/Release-3.0-Downloads/

Library licenses are according to the ONIX standard implemented as Price, an example of an ONIX Price element representing a package of 10 library loans can be seen here:

```
<Price>
 <PriceIdentifier>
  <PriceIDType>01</PriceIDType>
  <IDTypeName>Bokbasen_library_license_type</IDTypeName>
  <IDValue>PACKAGE</IDValue>
 </PriceIdentifier>
 <PriceType>02>/PriceType>
 <PriceQualifier>10</PriceQualifier>
 <PriceConstraint>
 <PriceConstraintType>06</PriceConstraintType>
 <PriceConstraintStatus>02</PriceConstraintStatus>
 <PriceConstraintLimit>
 <Quantity>10</Quantity>
 <PriceConstraintUnit>10</PriceConstraintUnit>
 </PriceConstraintLimit>
 <PriceConstraintLimit>
 <Quantity>1</Quantity>
 <PriceConstraintUnit>07</PriceConstraintUnit>
 </PriceConstraintLimit>
 </PriceConstraint>
   <PriceAmount>125</PriceAmount>
   <Tax>
   <TaxType>01</TaxType>
   <TaxRateCode>S</TaxRateCode>
   <TaxRatePercent>25</TaxRatePercent>
   <TaxableAmount>100</TaxableAmount>
   </Tax>
 <CurrencyCode>NOK</CurrencyCode>
 <Territory>
 <CountriesIncluded>NO SE FI</CountriesIncluded>
 </Territory>
  <PriceDate>
```

```
     <PriceDateRole>14</PriceDateRole>
     <Date dateformat="00">20170901</Date>
     </PriceDate>
     <PriceDate>
     <PriceDateRole>15</PriceDateRole>
     <Date dateformat="00">20190901</Date>
     </PriceDate>
     </Price>
```

Service documentation

Service	URL to API documentation
ONIX documentation	https://bokbasen.jira.com/wiki/spaces/api/pages/54100062/ONIX+from+Bokbasen
General info export service	https://bokbasen.jira.com/wiki/spaces/api/pages/48955432/Export+Service
ONIX API	https://bokbasen.jira.com/wiki/spaces/api/pages/67993632/ONIX

Reporting

There is an established reporting flow through Bokbasen to all owners of e- and audio-/ books. This API covers reporting of license usage. For books in pay per loan model, one should only report here when the book has passed the reading threshold of 10%. For packages the report is done at the time of buying or no later than the night after.

URL	https://api.dds.boknett.no/usage/loans		
Method	POST		
Request headers	Authorization	Required	The token acquired from the Authentication Service. Formated "Boknett TGT-...."
	Date	Required	The timestamp the request was made. Must comply with RFC 1123 date formats. Example: Tue, 10 Jun 2014 16:23:42 GMT
	Content-type	Required	application/json
JSON attributes	isbn	Required	isbn of the book
	model	Required	PACKAGE or PAY_PER_LOAN

	price	Required	Sales price in NOK
	dateTime	Required	The date the product passed the agreed threshold, given in ISO-8601 format. YYYY-MM-DD
Response body	Empty on success		
Returns	204	Success	
	40x	On errors	