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The Linked Data Service of the German National Library:
Note regarding access

February 24th, 2014

Note regarding access

The German National Library makes parts of its knowledge base available via interfaces (OAI, SRU). RDF Data is also provided via these interfaces.

The Linked Data Service is incorporated in the web portal and therefore publicly accessible. There are different methods of accessing data in RDF/XML: by accessing the appropriate URIs/URLs, though SRU and OAI, or by downloading a data dump (see below).

Access without redirect

The RDF/XML representation of an authority record is stored with its identifier <IDN> at http://d-nb.info/gnd/<IDN>/about/rdf.

Example: The author, theatre director and dramatist Bertolt Brecht (IDN: 118514768) has the URI http://d-nb.info/gnd/118514768. The URL for the HTML representation of the relevant data about the person is http://d-nb.info/gnd/118514768/about/html. The corresponding RDF/XML full display can be found at http://d-nb.info/gnd/118514768/about/rdf.

Persons can be found by searching for them in the portal and then selecting the appropriate listing. There is a link on the right of the full display of persons ("RDF/XML-Repräsentation dieses Datensatzes") which can be clicked to obtain the RDF/XML representation.

Other authority data can be found in the same way. In the portal search, the search filters "Sachbegriffe" ("Subject Headings") and "Organisationen" ("Organisations") can be used correspondingly under "Alle Normdaten" ("All authority files") on the right of the portal search results.

Example: The job title "Wirtschaftsinformatiker" ("Business IT specialist", IDN: 4190055-8) has the URI http://d-nb.info/gnd/4190055-8, the corresponding RDF/XML representation can be found at http://d-nb.info/gnd/4190055-8/about/rdf.

Example: The organisation "Deutsche Nationalbibliothek" ("German National Library", IDN: 10140798-1) has the URI http://d-nb.info/gnd/10140798-1, the corresponding RDF/XML full version can be found at http://d-nb.info/gnd/10140798-1/about/rdf.

The RDF/XML representation of an bibliographic record is stored with its identifier <IDN> at http://d-nb.info/<IDN>/about/rdf.

Example: Die monograph „Kalendergeschichten" written by Bertolt Brecht (IDN: 200080873) has the URI http://d-nb.info/200080873, the corresponding RDF/XML version can be found at http://d-nb.info/200080873/about/rdf.

Access with redirect

Clients can signal that they expect the answer in RDF/XML and not e.g. in HTML by using an HTTP request an accept value of "application/rdf+xml". Request headers can be "modified" for test purposes e.g. with Firefox plug-ins such as "Modify Headers".

The accept header information is assessed in the resolver. If "application/rdf+xml" is found, it is redirected from http://d-nb.info/gnd/<IDN> to the address http://d-nb.info/gnd/<IDN>/about/rdf and the RDF/XML representation shown. Without this

information in the header, requests for such entities are redirected to their HTML representation (http://d-nb.info/gnd/<IDN>/about/html).

Example: The data record for the composer "Johann Sebastian Bach" has the following URI: http://d-nb.info/gnd/11850553X. A request containing "application/rdf+xml" in the Accept Header is automatically redirected to http://d-nb.info/gnd/11850553X/about/rdf where the RDF/XML representation of the person is held.

Download

The data pool is available for download. It should be noted that the data pool is very large. Older file systems or ZIP programs may not be able to handle files of this size, which can lead to error messages during unpacking.

Further information can be found here: http://www.dnb.de/EN/lds

Access via SRU and OAI-PMH

The data pool can also be access through SRU[1] (search / Retrieve via URL) and OAI-PMH[2] (the Open Archives Initiative Protocol for Metadata Harvesting).

Table 1: Descriptions of the SRU and OAI-PMH interfaces

Interface	Description
SRU	Information about the German National Library's SRU interface can be found here: http://www.dnb.de/EN/sru
OAI-PMH	Information about the German National Library's OAI-PMH interface can be found here: http://www.dnb.de/EN/oai

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[1] http://www.loc.gov/standards/sru/
[2] http://www.openarchives.org/pmh/