

## List of data providers and their corresponding Application Programming Interface (API)

The following table lists the latest data providers and their corresponding Application Programming Interface (API) and data provider IDs (see (2) “List of data providers and IDs” in 2 “Common Items” in this document).

**Table 1 List of data providers and their corresponding Application Programming Interface (API)**

Data provider name	Data provider ID	Repository No.	API for search	API for harvest
NDL Periodical Index	zassaku	R000000004	Yes	Yes
Shinsho Map	shinsho	R000000005	Yes	No
Collaborative Reference Database	refkyo	R000000006	Yes	No
Current Awareness	awareness	R000000007	Yes	No
Digital Library from the Meiji Era	kindai	R000000008	Yes	Yes
Dnavi	dnavi	R000000010	Yes	Yes
HERMES-IR (SpecialCollections)	hermes	R000000011	Yes	Yes
Aozora Bunko	aozora	R000000014	Yes	Yes
J-STAGE	jstage	R000000016	Yes	Yes
Selections from the digital archive of the Akita Prefectural Library	akita-dl	R000000018	Yes	Yes
Index from collections of the Akita Prefectural Library	akita-kiji	R000000019	Yes	Yes
CiNii	cinii	R000000024	Yes	No
JAIRO	jairo	R000000025	Yes	No
The Japan P.E.N. Club Digital Library	penclub	R000000030	Yes	No
Image database of Nara Women's University	narajo	R000000032	Yes	Yes
Electronic exhibitions of the NDL	webcont	R000000033	Yes	Yes
Digital Library of Ibaraki Prefectural Library	ibaraki	R000000034	Yes	Yes
The Kyushu University Museum Digital Archive	kyushu	R000000037	Yes	Yes
NARA regional historical materials catalog	nara-tiiki	R000000038	Yes	Yes

Appendix 1,  
Application Programming Interface (API) Specifications

Data provider name	Data provider ID	Repository No.	API for search	API for harvest
Nara Prefectural Library and Information Center (Furusato digitized books + Drawing Exhibition Gallery)	nara-book	R000000039	Yes	Yes
Union Catalog of the Collections of the National Art Museums, Japan (Image)	artm-1	R000000040	No	No
Union Catalog of the Collections of the National Art Museums, Japan (No image)	artm-2	R000000041	No	No
Rare Books Collection / University of Tsukuba Library	tsukuba	R000000046	Yes	Yes
Online catalog of reading room of material related to Okinawa war (digitalized)	okinawa-1	R000000047	Yes	Yes
Online catalog of reading room of material related to Okinawa war (not digitalized)	okinawa-2	R000000048	Yes	Yes
Rare material gallery of ISHIKAWA prefectural library	ishikawa	R000000049	Yes	Yes
KOTENSEKI SOGO DATABASE(Japanese & Chinese Classics) (Waseda University Library)	waseda	R000000050	No	No
Digital archive of books material of Japan Fisheries Research and Education Agency	suisan	R000000051	Yes	Yes
Digital Gallery of Keio University Library	keio-g	R000000052	Yes	Yes
Keio Historical Photograph Database	keio-p	R000000053	Yes	Yes
Eichi no Mori WEB (Miyagi Prefectural Library)	miyagi	R000000054	Yes	Yes
Special Collections of Hiroshima Central City Library	hiroshima-c	R000000055	Yes	Yes
Digital gallery of Japanese and Chinese Materials of Mie Prefectural Library	mie-p	R000000056	Yes	Yes
Digital library of Sapporo Municipal Central Library	sapporo	R000000058	Yes	Yes
Northern Materials Digital library of Hokkaido Prefectural Library	hokkaido	R000000059	Yes	Yes
Digital library of Tokushima Prefectural Library	tokushima	R000000061	Yes	Yes
OSAKA PREFECTURAL LIBRARY OSAKA e-COLLECTION	osaka-n	R000000062	Yes	Yes

Data provider name	Data provider ID	Repository No.	API for search	API for harvest
Local Material Images of Okayama Municipal Central Library	okayamashi	R000000065	Yes	Yes
Digital Library of Fukuoka Prefectural Library	hukuoka	R000000067	Yes	Yes
Map Images of Tottori Prefectural Library	tottori	R000000068	Yes	Yes
RESEARCH NAVI (research guide)	research	R000000184	Yes	No
Digital library of Saitama Prefectural Library	saitama	R000000185	Yes	Yes
Collection of pictorial postcard of Nagoya (Nagoya City Tsuruma Central Library)	nagoyashi	R000000186	Yes	Yes
Chiba Digital Archive	chiba	R000000187	Yes	Yes
The world of lithograph of Takahashi Yuichi (Yamagata Prefectural Library)	yamagatashi	R000000189	Yes	Yes
Ihatov Iwate digital library (Iwate Prefectural Library)	iwate	R000000190	Yes	Yes
Web gallery of Kawasaki-City Library	kawasakishi	R000000191	Yes	Yes
Collection Database of Nara National Museum	nara-m	R000000192	No	No
Digital Archive of Kanagawa Prefectural Library	kanagawa	R000000193	Yes	Yes
Gallery of rare pictures and books of Toyama Prefectural Library	toyama	R000000194	Yes	Yes
Materials about Gifu prefecture & Maps of Gifu Prefectural Library	gifu	R000000195	Yes	Yes
Yokohama's Memory (Yokohama City Central Library)	yokohama	R000000196	Yes	Yes
Miyada Village Internet Museum	miyada	R000000198	Yes	Yes
Digital Library of Shizuoka Prefectural Central Library	shizuoka	R000000199	Yes	Yes
Digital archive and gallery of Hakodate City Central Library	hakodate	R000000202	Yes	Yes
Rare Books Digital Archive of Miyazaki Prefectural Library	miyazaki	R000000204	Yes	Yes
Ohmi Digital Historical Road of Shiga Prefectural Library	shiga	R000000205	Yes	Yes
Echigo Sado Digital Library of Niigata Prefectural Library and Archives	niigata	R000000206	Yes	Yes
Public Libraries Catalog	iss-yunika	R100000001	Yes	No

Data provider name	Data provider ID	Repository No.	API for search	API for harvest
NDL Online	iss-ndl-opac	R100000002	Yes	Yes
NDL newly acquired bibliographic data (*)	iss-ndl-opac-inprocess	R100000002	No	Yes
Japanese National Bibliography (*)	iss-ndl-opac-national	R100000002	No	Yes
Union Catalog of Newspapers	iss-shinbun	R100000003	Yes	Yes
Union Catalog Database of Children's Literature	iss-jido-somoku	R100000004	Yes	No
NDL-HP carrying publication	iss-ndl-hp-docs	R100000005 to R100000024	No	Yes
Index to Laws & Regulations in early Meiji Japan	hourei-meiji	R100000031	Yes	Yes
Website of the House of Representatives	syugiin	R100000034	No	No
Website of the House of Councillors	sangiin	R100000035	No	No
Website of the Judge Impeachment Court	saiban-dangai	R100000036	No	No
Website of the Judge Indictment Committee	saiban-sotsui	R100000037	No	No
Online Catalog of Sapie Library	sapie	R100000038	Yes	No
NDL Digital Collections	ndl-dl	R100000039	Yes	Yes
NDL Digital Collections (Online publications)	ndl-dl-online	R100000040	Yes	Yes
National Union Catalog of Braille & Recorded Books in Japan	tenroku	R100000049	Yes	No
Japan Publication Registry Office	kinkan	R100000067	No	No
Digital Material for Persons with Print Disabilities	ndl-dl-daisy	R100000073	Yes	Yes
Union Catalog of Agriculture, Forestry and Fisheries Research Institute's Libraries	nosui	R100000074	Yes	Yes
Okinawa Prefectural Library "Valuable Materials Digital Archive"	okinawa-rare-digital	R100000075	Yes	Yes
JapanKnowledge	japanknowledge	R100000076	No	No
AKITA PREFECTURAL LIBRARY DIGITAL ARCHIVE	akita-digital-archive	R100000085	Yes	Yes
Tokyo Metropolitan Library Edo-Tokyo Digital Collections	tokyo-metro-da	R100000086	Yes	No
Komazawa University Electronic unique collections	komazawa-univ	R100000087	Yes	Yes
NWEC Women's Digital Archive System	nwec-womens-da	R100000088	Yes	No

Appendix 1,  
Application Programming Interface (API) Specifications

Data provider name	Data provider ID	Repository No.	API for search	API for harvest
Yamanashi Digital Archive (Yamanashi Prefectural Library)	yamanashi-da	R100000089	Yes	Yes
Digital Library System for Ministry of Agriculture, Forestry and Fisheries	nosui-library-da	R100000090	Yes	Yes
Kyusyu University Collections	kyudai	R100000092	Yes	Yes
Cultural Heritage Online	bunkaisan	R100000093	Yes	Yes
Digital Archive System ADEAC	adeac	R100000094	Yes	Yes
ColBase	colbase	R100000095	Yes	Yes

\* This table does not list the Cross search-type data providers, with which an application programming interface (API) is not provided.

\* The data provider of the NDL newly acquired bibliographic data is NDL Online, but separately from NDL Online, the data provider ID (iss-ndl-opac-inprocess) is also available so that newly acquired bibliographic data can be searched. Note that the returned value in response to a request with the data provider ID (iss-ndl-opac) of NDL Online specified does not include the data of newly acquired bibliographic data.

\* The data provider of the Japanese national bibliography is NDL Online, but separately from NDL Online, the data provider ID (iss-ndl-opac-national) is also available so that Japanese national bibliography can be searched.

\* "Yes" in the "API for search" column indicates that search is possible in SRU, SRW, OpenSearch, and Z39.50.

API for search: SRU, SRW, OpenSearch, and Z39.50

API for harvest: OAI-PMH

The following table shows the data provider groups (see (3) "Data provider groups" in 2 "Common Items" in this document) and their corresponding data providers.

**Table 2 Data provider groups and their corresponding data providers**

Data provider name	Data provider group ID								
	digitalcontents	catalogue	site	reference	science	humanities	library	child	ndl
NDL Periodical Index		Yes			Yes	Yes	Yes	Yes	Yes
Shinsho Map				Yes	Yes	Yes	Yes	Yes	
Collaborative Reference Database				Yes	Yes	Yes	Yes		Yes
Current Awareness				Yes	Yes	Yes	Yes		Yes
Digital Library from the Meiji Era	Yes				Yes	Yes	Yes	Yes	Yes
Dnavi			Yes		Yes	Yes	Yes		Yes
HERMES-IR(SpecialCollections)	Yes				Yes	Yes	Yes		
Aozora Bunko	Yes				Yes	Yes	Yes		Yes
Selections from the digital archive of the Akita Prefectural Library	Yes				Yes	Yes	Yes		Yes
Index from collections of the Akita Prefectural Library		Yes			Yes	Yes	Yes		
CiNii	Yes					Yes	Yes		
JAIRO	Yes				Yes	Yes			
The Japan P.E.N. Club Digital Library	Yes					Yes	Yes	Yes	
Image database of Nara Women's University	Yes				Yes	Yes	Yes		
Electronic exhibitions of the NDL	Yes					Yes	Yes		Yes
Digital Library of Ibaraki Prefectural Library	Yes					Yes	Yes		
The Kyushu University Museum Digital Archive	Yes					Yes	Yes		
NARA regional historical materials catalog		Yes				Yes	Yes		
Nara Prefectural Library and Information Center (Furusato digitized books + Drawing Exhibition Gallery)	Yes					Yes			
Rare Books Collection / University of Tsukuba Library	Yes					Yes	Yes		
Online catalog of reading room of material related to Okinawa war (digitalized)	Yes					Yes	Yes		

Data provider name	Data provider group ID								
	digitalcontents	catalogue	site	reference	science	humanities	library	child	ndl
Online catalog of reading room of material related to Okinawa war (not digitalized)		Yes				Yes	Yes		
Rare material gallery of ISHIKAWA prefectural library	Yes				Yes	Yes	Yes		
Digital archive of books material of Japan Fisheries Research and Education Agency	Yes				Yes	Yes	Yes		
Digital Gallery of Keio University Library	Yes					Yes	Yes		
Keio Historical Photograph Database	Yes					Yes	Yes		
Eichi no Mori WEB (Miyagi Prefectural Library)	Yes					Yes	Yes		
Special Collections of Hiroshima Central City Library	Yes					Yes	Yes		
Digital gallery of Japanese and Chinese Materials of Mie Prefectural Library	Yes					Yes	Yes		
Digital library of Sapporo Municipal Central Library	Yes					Yes	Yes		
Northern Materials Digital library of Hokkaido Prefectural Library	Yes					Yes	Yes		
Digital library of Tokushima Prefectural Library	Yes					Yes	Yes		
OSAKA PREFECTURAL LIBRARY OSAKA e-COLLECTION	Yes					Yes	Yes		
Local Material Images of Okayama Municipal Central Library	Yes					Yes	Yes		
Digital Library of Fukuoka Prefectural Library	Yes					Yes	Yes		
Map Images of Tottori Prefectural Library	Yes					Yes	Yes		
RESEARCH NAVI (research guide)				Yes	Yes	Yes	Yes		Yes
Digital library of Saitama Prefectural Library	Yes					Yes	Yes		
Collection of pictorial postcard of Nagoya (Nagoya City Tsuruma Central Library)	Yes					Yes	Yes		
Chiba Digital Archive	Yes					Yes	Yes		
The world of lithograph of Takahashi Yuichi (Yamagata Prefectural Library)	Yes					Yes	Yes		

Data provider name	Data provider group ID								
	digitalcontents	catalogue	site	reference	science	humanities	library	child	ndl
Ihatov Iwate digital library (Iwate Prefectural Library)	Yes					Yes	Yes		
Web gallery of Kawasaki-City Library	Yes					Yes	Yes		
Digital Archive of Kanagawa Prefectural Library	Yes					Yes	Yes		
Gallery of rare pictures and books of Toyama Prefectural Library	Yes					Yes	Yes		
Materials about Gifu prefecture & Maps of Gifu Prefectural Library	Yes					Yes	Yes		
Yokohama's Memory (Yokohama City Central Library)	Yes					Yes	Yes		
Miyada Village Internet Museum	Yes					Yes	Yes		
Digital Library of Shizuoka Prefectural Central Library	Yes					Yes	Yes		
Digital archive and gallery of Hakodate City Central Library	Yes					Yes	Yes		
Rare Books Digital Archive of Miyazaki Prefectural Library	Yes					Yes	Yes		
Ohmi Digital Historical Road of Shiga Prefectural Library	Yes					Yes	Yes		
Echigo Sado Digital Library of Niigata Prefectural Library and Archives	Yes					Yes	Yes		
Public Libraries Catalog		Yes			Yes	Yes	Yes	Yes	Yes
NDL Online		Yes			Yes	Yes	Yes	Yes	Yes
NDL Newly Acquired Books Information (*)		Yes			Yes	Yes	Yes	Yes	Yes
Japanese National Bibliography (*)		Yes			Yes	Yes	Yes	Yes	Yes
Union Catalog of Newspapers		Yes			Yes	Yes	Yes	Yes	Yes
Union Catalog Database of Children's Literature		Yes			Yes	Yes	Yes	Yes	Yes
Index to Laws & Regulations in early Meiji Japan		Yes					Yes	Yes	
Online Catalog of Sapie Library		Yes			Yes	Yes	Yes	Yes	
NDL Digital Collections	Yes				Yes	Yes	Yes	Yes	Yes
NDL Digital Collections (Online publications)	Yes				Yes	Yes	Yes	Yes	Yes
National Union Catalog of Braille & Recorded Books in Japan		Yes			Yes	Yes	Yes	Yes	Yes



Data provider name	Data provider group ID								
	digitalcontents	catalogue	site	reference	science	humanities	library	child	ndl
Digital Material for Persons with Print Disabilities	Yes				Yes	Yes	Yes	Yes	Yes
Union Catalog of Agriculture, Forestry and Fisheries Research Institute's Libraries		Yes			Yes	Yes	Yes		
Okinawa Prefectural Library "Valuable Materials Digital Archive"	Yes					Yes	Yes		
AKITA PREFECTURAL LIBRARY DIGITAL ARCHIVE	Yes					Yes	Yes		
Tokyo Metropolitan Library Edo-Tokyo Digital Collections	Yes					Yes	Yes		
Komazawa University Electronic unique collections	Yes					Yes	Yes		
NWEC Women's Digital Archive System	Yes					Yes	Yes		
Yamanashi Digital Archive (Yamanashi Prefectural Library)	Yes					Yes	Yes		
Digital Library System for Ministry of Agriculture, Forestry and Fisheries	Yes				Yes	Yes	Yes		
J-STAGE	Yes				Yes	Yes			
Kyusyu University Collections	Yes					Yes	Yes		
Cultural Heritage Online	Yes				Yes	Yes			
Digital Archive System ADEAC	Yes				Yes	Yes	Yes		
ColBase	Yes				Yes	Yes			

\* This table shows neither the data providers with which an application programming interface (API) is not provided, nor the data providers that can be search by only OpenURL.

\* The data provider of the NDL newly acquired bibliographic data is NDL Online, but separately from NDL Online, the data provider ID (iss-ndl-opac-inprocess) is also available so that newly acquired bibliographic data can be the searched. Note that the returned value in response to a request with the data provider ID (iss-ndl-opac) of NDL Online specified does not include the data of newly acquired bibliographic data.

Table 1,2 include deleted data providers. The following table shows data providers and date of metadata deletion.

**Table 3 Data providers and date of metadata deletion**

Data provider name	Data provider ID	API for harvest	Date of deletion
Digital Library from the Meiji Era	kindai	Yes	September 13, 2012
HERMES-IR(Special Collections)	hermes	Yes	September 26, 2013
Selections from the digital archive of the Akita Prefectural Library	akita-dl	Yes	March 20,2014
Index from collections of the Akita Prefectural Library	akita-kiji	Yes	March 20,2014
Dnavi	dnavi	Yes	March 31,2014
The Kyushu University Museum Digital Archive	kyushu	Yes	July 17,2014
NDL-HP carring publication	iss-ndl-hp-docs	Yes	December 11,2014

Request ListIdentifiers or ListRecords with date of metadata deletion, the data providers with “API for harvest Yes” return deleted records.

For the example of return data, see Appedix 3(Examples of returned data at each interface).