

IIF interface detailed specification of the National Diet Library Digital Collections

1. PresentationAPI:ManifestURI

Request URL Template : {scheme}://{server}/{prefix}/{identifier}/manifest.json

Example of ManifestURI:
<https://www.dl.ndl.go.jp/api/iiif/1234567/manifest.json>

1-1 Request

No.	項目	Request for NDL Digital Collections
1	scheme	https
2	server	www.dl.ndl.go.jp
3	prefix	/api/iiif/
4	identifier	(Numeric part of Persistent ID : info:ndljp/pid/1234567)
5	manifest.json	manifest.json

1-2 Respons (json format)

No.	item (field)	Respons from NDL Digital Collections(metadata,etc.)
1	@context	http://iiif.io/api/presentation/2/context.json
2	@id	https://www.dl.ndl.go.jp/api/iiif/(Numeric part of Persistent ID)/manifest.json
3	@type	sc:Manifest
4	license	http://dl.ndl.go.jp/ja/iiif_license.html
5	attribution	国立国会図書館 National Diet Library, JAPAN
6	description	abstract
7	label	title + “. ” (half-period+half-space) + volume
8	logo	http://dl.ndl.go.jp/resources/images/dlicon.png
9	metadata	(Output one per manifest)
10	label	<ul style="list-style-type: none"> •Persistent ID : 永続的識別子 •Title : タイトル •Creator : 著者 •Publishe : 出版社 •Publication Date : 出版年 •Publication Date (W3CDTF format) : 西暦年 •Series Title : シリーズ名 •ISBN : ISBN •ISSN : ISSN •JPNO : JP番号 •Source (URL) : 原資料URL •Notes : 備考 •Call Number : 請求記号 •Bibliographic ID : 書誌ID •DOI : DOI •Access Restrictions : 公開範囲 •Note : 電子化時の注記 •URL : デジデポ閲覧画面のURL
11	value	<p>For each of the above items, output its value. If there are multiple values, they are repeatedly output with “ ” delimiter. If there are multiple titles and series names, conform to the following.</p> <ul style="list-style-type: none"> •The title is output as “. ” (half-period + half-space) delimiter. If there are multiple values, it is repeatedly output with “. ” (half-period + half-space) delimiter. •The series name is output as “. ” (half-period + half-space) delimiter. When there are multiple values, only one case is output.
12	seeAlso	http://dl.ndl.go.jp/api/oaipmh?verb=GetRecord&metadataPrefix=dcndl_porta&identifier=oai:dl.ndl.go.jp:(Persistent ID)
13	viewingDirection	(order of items)
14	sequences	(Output one per manifest)
15	@type	sc:Sequence
16	@id	(Not set)
17	thumbnail	(Output one per sequens)
18	@id	https://www.dl.ndl.go.jp/api/iiif/(Numeric part of Persistent ID/Content number of the title paper thumbnail)/full/full/0/default.jpg
19	@type	dctypes:Image
20	format	image/jpeg
21	viewingHint	individuals

22	canvases	(Output one per sequens)
23	@id	https://www.dl.ndl.go.jp/api/iiif/(Numeric part of Persistent ID)/canvas/(numeric)
24	@type	sc:Canvas
25	width	width (pixel value)
26	height	height (pixel value)
27	label	The frame number of the content
28	thumbnail	(Output one per canvas)
29	@id	https://www.dl.ndl.go.jp/api/iiif/(Numeric part of Persistent ID/Thumbnail content number)/full/full/0/default.jpg
30	@type	dctypes:Image
31	format	image/jpeg
32	images	
33	@id	(Not set)
34	@type	oa:Annotation
35	motivation	sc:painting
36	resource	(Output one per image)
37	@id	https://www.dl.ndl.go.jp/api/iiif/(Numeric part of Persistent ID/Content number)/full/full/0/default.jpg
38	@type	dctypes:Image
39	format	image/jpeg
40	width	width (pixel value)
41	height	height (pixel value)
42	service	(Output one per resorce)
43	@context	http://iiif.io/api/image/2/context.json
44	@id	https://www.dl.ndl.go.jp/api/iiif/(Numeric part of Persistent ID/Content number)
45	profile	http://iiif.io/api/image/2/level1.json
46	on	https://www.dl.ndl.go.jp/api/iiif/(Numeric part of Persistent ID)/canvas/(numeric)
47	structures	(Output one per manifest、If we have table of contents information)
48	@id	https://www.dl.ndl.go.jp/api/iiif/(Numeric part of Persistent ID/range/(Table of Contents ID)
49	@type	sc:Range
50	label	(Output "table of contents name" in table of contents table)
51	viewingHint	(Not set)
52	members	(Not set)
53	ranges	(Not set)
54	canvases	https://www.dl.ndl.go.jp/api/iiif/(Numeric part of Persistent ID/Content number)/info.json

2. Image API:Image RequestURI

Request URL Template: {scheme}://{server}/{prefix}/{identifier}/{region}/{size}/{rotation}/{quality}.{format}

Example of Image RequestURI of the third frame:

<https://www.dl.ndl.go.jp/api/iiif/1234567/R0000003/full/full/0/default.jpg>

Example of Changing the area and size:

<https://www.dl.ndl.go.jp/api/iiif/1234567/R0000003/735,969,916,1400/pct:50/0/default.jpg>

2-1 Request

No.	item (field)	Request for NDL Digital Collections
1	scheme	https
2	server	www.dl.ndl.go.jp
3	prefix	/api/iiif/
4	identifier	(Numeric part of Persistent ID/Content file name)
5	region	full、(Pixel specification with x, y, w, h)、(Percentage specification with pct:x,y,w,h)
6	size	full、(Pixel specification with w,h)、(Percentage specification with pct:n)
7	rotation	0 Corresponding to "0 (no rotation)" which is essential at compliance level 1. The following does not correspond. <ul style="list-style-type: none"> •90、180、270 (compliance level 2. supports: rotationBy90s) •Any rotation angle: (supports: rotationArbitrary) •!(Flip)
8	quality	default Corresponding to 'default' mandatory at compliance level 1. The following does not correspond. <ul style="list-style-type: none"> •color、gray、bitonal (Compliance level 2 or higher)
9	format	jpg Corresponding to 'jpg' mandatory at compliance level 1. The following does not correspond. <ul style="list-style-type: none"> •png (Compliance Level 2 and above required) •tif,gif,pdf,webp

2-2 Response

Image data corresponding to the content specified in the request.

The maximum size of the response image is 5000 pixels. For images larger than the maximum size, adjust the size of the longer side and the longer side according to the maximum size.

3. Image API:Image information request URI

Request URL Template: {scheme}://{server}/{prefix}/{identifier}/info.json

3-1 Request

No.	項目	Request for NDL Digital Collections
1	scheme	https
2	server	www.dl.ndl.go.jp
3	prefix	/api/iiif/
4	identifier	(Numeric part of Persistent ID/Content number)
5	info.json	info.json

3-2 Respons (json format)

No.	項目	Respons from NDL Digital Collections(metadata,etc.)
1	@context	http://iiif.io/api/image/2/context.json
2	@id	https://www.dl.ndl.go.jp/api/iiif/(Numeric part of Persistent ID/Content number)
3	@type	dctypes:Image
4	protocol	http://iiif.io/api/image
5	width	width (pixel value)
6	height	height (pixel value)
7	profile	http://iiif.io/api/image/2/level1.json
8	formats	jpg
9	qualities	default
10	supports	Output the following data <ul style="list-style-type: none"> •regionByPct •sizeByWh
11	maxHeight	(Not set)
12	maxWidth	(Not set)
11	sizes	Output array of recommended size. Corresponds to tiles' scaleFactors. Ex.) when it is [width:1024、height:1024、maxZoomLevel:5、minZoomLevel:0],returns [[width:16,height:16],[width:32,height:32]. {width:64,height:64},{width:128,height:128}. {width:256,height:256},{width:1024,height:1024}]
12	width	Recommended width (pixel value)

13	height	Recommended height (pixel value)
14	tiles	Tile definition information
15	width	1024
16	height	1024
17	scaleFactors	List of magnifications that can be returned. Ex.)when it is [width:1024 and height:1024 and maxZoomLevel:5 and minZoomLevel:0], returns [1,2,4,8,16,32]