

3. Conversion Result API

API List

Classification	API Name	Descriptions
Common	status	Inquires the status of conversion request using job, jobJson, jobFile, jobFileJson API.
	view	You can view the results of conversion completed in the viewer.
Image Conversion	title	Returns the sheet name of an Excel type document. For a Word or Slide type document, 'page-page number' is returned.
	dimension	Returns the size of image converted on the specified page. Unit: px
	thumbnail	Returns the converted image on the specified page. You can inquire a specific area within the page.
	thumbnailxml	Returns text area information contained in the page
HTML Conversion	xml	You can inquire the basic information of conversion results

status

Only the GET type request is supported and the request is in the following URL pattern.

Request

Parameter	Descriptions	Remarks
key	Specifies the conversion request identifier in the response JSON at the time of response.	

Example:

Request Example

```
GET {Server Address}/SynapDocViewServer/status/{key}
```

Response

Item	Value	Descriptions	Remarks
id	key	The request key value contained in the response to the job, jobJson, jobFile, jobFileJson request.	
convertType	0 / 1	When requested, a value of a specified convertType is specified. <ul style="list-style-type: none">0 : HTML1 : IMAGE	If not specified, the default value set to the server will be returned
format	String	A string that shows the file format is specified. <ul style="list-style-type: none">DOC / DOCX / PPT / PPTX / XLS / XLSX / HWP / PDFTIF / JPEG / PNG / GIF	
filename	String	When requested, a specified file name is designate.	
refererUrl	URL Text	When requested, a specified source URL value is designated.	

downloadUrl	URL Text	When requested, the download URL value of a specified document is designated.	
pageNum	0 .. Number	The total number of pages in a document is specified.	
imgDone	true / false	Image conversion completion status is specified.	
imgErrCode	0~255	An error code confirmed at the time of image conversion error is specified. 0 : Normal	Valid if the imgDone value is true.
htmlDone	true / false	HTML conversion completion status is specified.	
htmlErrCode	0~255	An error code confirmed at the time of HTML conversion error is specified. 0 : Normal	Valid if the htmlDone value is true.
pdfDone	true / false	PDF conversion completion status is specified.	
pdfErrCode	0~255	An error code confirmed at the time of PDF conversion error is specified. 0 : Normal	Valid if the pdfDone value is true.
skipError	true / false	You can set to ignore a conversion error generated from a specific page at the time of image conversion.	Valid if convType is set to IMAGE.
htmlConverting	true / false	Returns HTML conversion progress state.	

Example:

Response Example

```
{
  "id": "2c9f8bcd58288e590158428252b30079",
  "convertType": 1,
  "format": "PPTX",
  "fileName": "meetings.pptx",
  "refererUrl": "http://meeting.company.net",
  "downloadUrl": "http://meeting.company.net/download",
  "pageNum": 4,
  "imgErrCode": 0,
  "htmlErrCode": 0,
  "pdfErrCode": 0,
  "skipError": true,
  "htmlConverting": false,
  "outDirPath": "/data/SynapDocViewServer/out/66ae82d728ec629ea4b5d4b5e216854e",
  "resultFileName": "66ae82d728ec629ea4b5d4b5e216854e",
  "imgDone": true,
  "htmlDone": false,
  "pdfDone": false
}
```

view

You can run the viewer using the view API after the conversion is completed. Only GET type request is supported, and the request is in the following URL pattern.

Request

Parameter	Descriptions	Remarks
key	Specifies the conversion request identifier in the response JSON at the time of response.	

Example:

```


Request Example

GET {Server Address}/SynapDocViewServer/view/{key}
```

Response

The viewer is automatically run through the 302 response.

```


302 Response

HTTP/1.1 302  
Location: http://{Server  
Address}/SynapDocViewServer/viewer/doc.html?key={key}&contextPath=/SynapDo  
cViewServer
```

title

After the conversion is completed, you can inquire the page name using the title API. Only GET type request is supported and the request is in the following URL pattern.

Returns a UTF-8 encoded page name and operates only at the time of converting IMAGE. Excel type document returns a sheet name and in case of a different file format, 'page-page number' pattern is returned.

Request

Parameter	Descriptions	Remarks
key	Specifies the conversion request identifier in the response JSON at the time of response.	
sheet_number	Specifies a sheet number.	Sheet number starts from 0.

Example:

```


Request Example

GET {Server Address}/SynapDocViewServer/title/{key}/{sheet_number}
```

Response

title Response

```
HTTP/1.1 200  
Sheet1
```

dimension

You can inquire a page-specific size of a converted document. Depending on the document type, page or sheet size information is returned. API only supports the GET type and requests in the following URL pattern. JSON type response is returned.

Request

Parameter	Descriptions	Remarks
key	Specifies the conversion request identifier in the response JSON at the time of response.	
page_range	You can specify a page or range you want to inquire. You can specify a range using the '-' character. <ul style="list-style-type: none">Specify page: 0 to numberSpecify range: 1-10, 10-30	Starts from 0.
dpi	Specifies the reference dpi for converting a page size. Default value: M <ul style="list-style-type: none">L: 18 dpiM: Value specified in the server settingsH: Double the value specified in the server settings1 ~ number: User defined value	You can specify a value based on the number of server settings.

Example:

Request Example

```
GET {Server  
Address}/SynapDocViewServer/dimesion/{key}/{page_range}?dpi={dpi}
```

Response

The value expressed by the response is as follows. If specified in a range, it is converted into an array type.

Item	Value	Descriptions	Remarks
p	Integer	Page number/ Sheet number	
w	Integer	Word type and PowerPoint type: page width Excel type: sheet width	Unit : px
h	Integer	Word type and PowerPoint type: page height Excel type: sheet height	Unit : px

dimension Response

```
[
  { "p": 0, "w": 793, "h": 1122 },
  { "p": 1, "w": 793, "h": 1122 },
  { "p": 2, "w": 793, "h": 1122 },
  { "p": 3, "w": 793, "h": 1122 }
]
```

thumbnail

Inquires a page-specific image in the converted document. You can inquire only a certain area in the page or sheet using API.

API only supports the GET type and requests in the following URL pattern.

For an Excel document containing a large sheet, as a case in which an image can't be loaded occurs, it is recommended to partially inquire by separating the sheet area.

Request

Parameter	Descriptions	Remarks
key	Specifies the conversion request identifier in the response JSON at the time of response.	
page_number	Specifies a page number to inquire.	Starts from 0.
dpi	Specifies the reference dpi for converting a page size. Default value: M <ul style="list-style-type: none">L: 18 dpiM: Value specified in the server settingsH: Double the value specified in the server settings1 ~ number: User defined value	You can specify a value based on the number of server settings.
withXml	Determines whether to create text information in the page when creating a page image. Default value: true	
x	Specifies the x coordinate at the top left of the image returned. Unit: px	For a Word or PowerPoint type document, the value is always fixed to 0.
y	Specifies the y coordinate at the top left of the image returned. Unit: px	For a Word or PowerPoint type document, the value is always fixed to 0.
w	Specifies the width of an image area returned. Unit: px	
h	Specifies the height of an image area returned. Unit: px	

Example:

Request Example

```
GET {Server
Address}/SynapDocViewServer/thumbnail/{key}/{page_number}?dpi={dpi}&x={x}&
y={y}&w={w}&h={h}
```

Response

Image data specified as HTTP response is returned.

thumbnailxml

Returns the text in the page of a converted document in an XML format. XML contains the position of text in the image. API only supports the GET type and requests in the following URL pattern. JSON type response is returned. Text information XML works property only when it is called after executing the thumbnail API with the withXml option set to true.

Request

Parameter	Descriptions	Remarks
key	Specifies the conversion request identifier in the response JSON at the time of response.	
page_number	Specifies a page number to inquire.	Starts from 0.
dpi	Specifies the reference dpi for converting a page size. Default value: M <ul style="list-style-type: none">L: 18 dpiM: Value specified in the server settingsH: Double the value specified in the server settings1 ~ number: User defined value	You can specify a value based on the number of server settings.

Example:

```


Request Example

GET {Server  
Address}/SynapDocViewServer/thumbnailxml/{key}/{page_number}?dpi={dpi}
```

Response

XML data specified as HTTP response is returned. XML that has the <document> element as a root is returned.

```


thumbnailxml Response

<document>  
  <page w="793" h="1122">  
    <text l="274.559998" t="56.744122" w="35.093273"  
h="37.333332"></text>  
    <text l="312.000000" t="56.744122" w="10.453314"  
h="37.333332"></text>  
    .....  
  </page>  
</document>
```

<page> element

Item	Value	Descriptions	Remarks
w	Integer	Word type and PowerPoint type: page width Excel type: sheet width	Unit : px

h	Integer	Word type and PowerPoint type: page height Excel type: sheet height	Unit : px
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<text> element

Item	Value	Descriptions	Remarks
l	Number	x coordinate at the top left of the text area, unit: px	
t	Number	y coordinate at the top left of the text area, unit: px	
w	Number	Width of the text area, unit: px	
h	Number	Height of the text area, unit: px	

xml

When converting into an HTML, you can inquire the basic information of the converted results in an XML format using the xml API after the conversion is completed. Only GET type is supported and the request is in the following URL pattern. The response results are provided in a different pattern for each document format. For more information, you can check in the response item below.

Request

Parameter	Descriptions	Remarks
key	Specifies the conversion request identifier in the response JSON at the time of response.	

Example:

Request Example

```
GET {Server Address}/SynapDocViewServer/xml/{key}
```

Response

Basic structure

XML is classified into common properties and type-specific elements. <index> element indicates the Root Element.

Response Example

```
<index>
<!-- common Property -->
<!-- Type-specific Property -->
</index>
```

Element information

Classification	Element name	Value	Descriptions	Remarks
Common	use_single_page	true / false	use_single_page option configured is specified at the time of HTML conversion.	Required
	file_name	String	File name is specified at the time of HTML conversion.	Required

	file_type	String	A string that shows the file format is specified. <ul style="list-style-type: none"> • doc / docx / ppt / pptx / xls / xlsx • hwp2k / hwp97 / pdf / txt • tiff / jpeg / png / gif / wmf / emf 	Required Not case sensitive
	doc_title	String	If extractable from the document, document title property is specified.	
	downUrl	URL Text	Original copy download URL configured is specified at the time of HTML conversion.	
Word type	width	Number	Specifies the width of paper configured in the document. unit: pt	Applicable model <ul style="list-style-type: none"> • doc / docx / hwp2k / hwp97 / txt • Not expressed if the use_single_page value is false.
	height	Number	Specifies the height of paper configured in the document. unit: pt	
	margin_top	Number	Specifies the top margin value of paper configured in the document. unit: pt	
	margin_bottom	Number	Specifies the bottom margin value of paper configured in the document. unit: pt	
	margin_left	Number	Specifies the left margin value of paper configured in the document. unit: pt	
	margin_right	Number	Specifies the right margin value of paper configured in the document. unit: pt	
	filepage_cnt	Number	Number of HTML files classified per area or page is specified.	
	word_cnt	-	-	Not used
	word_list	-	-	Not used
PowerPoint type	width	Number	Specifies the width of paper configured in the document. unit: pt	Applicable model <ul style="list-style-type: none"> • ppt / pptx
	height	Number	Specifies the height of paper configured in the document. unit: pt	
	startPage	Integer	Configured value at the time of partial conversion is specified. This value may not be shown depending on the situation.	
	endPage	Integer	Configured value at the time of partial conversion is specified. This value may not be shown depending on the situation.	
	slide_cnt	Integer	The total number of slides contained in a document is specified.	
	slide_list	slide element	Information of each slide, whose number is equal to the number of <slide_cnt>, is included as a sub <slide> element.	Please refer to the slide element properties section.
Excel type	sheet_cnt	Integer	The total number of sheets contained in a document is specified.	Target of application
	sheet_list	sheet element	Information of each sheet, whose number is equal to the number of <sheet_cnt>, is included as a sub <sheet> element.	<ul style="list-style-type: none"> • xls / xlsx
PDF	startPage	Integer	Configured value at the time of partial conversion is specified. This value may not be shown depending on the situation.	Applicable model <ul style="list-style-type: none"> • pdf
	endPage	Integer	Configured value at the time of partial conversion is specified. This value may not be shown depending on the situation.	
	pdf_cnt	Integer	The total number of pages contained in a document is specified.	
	pdf_list	pdf element	Information of each page, whose number is equal to the number of <pdf_cnt>, is included as a sub <pdf> element.	
	width	Integer	The width value of image is specified. unit:px	tiff / jpeg / png / gif / wmf / emf
	height	Integer	The height value of image is specified. unit:px	
	image_cnt	Integer	The total number of images is specified.	
	image_list	image element	Information of each image, whose number is equal to the number of <image_cnt>, is included as a sub <image> element.	

<slide> element property

Comprised of the following elements under the <slide_list> element.

Element name	Value	Descriptions	Remarks
id	Integer	Slide ID is specified.	Starts from 1.
title	String	Slide title is specified.	

path_html	String	HTML file path of the applicable slide is specified.	Used in the IE9 or below browser.
path_xhtml	String	XHTML file path of the applicable slide is specified.	Used in the IE9 or higher browser, or a browser other than IE.

<sheet> element property

Comprised of the following elements under the <sheet_list> element.

Element name	Value	Descriptions	Remarks
id	Integer	Sheet ID is specified.	Starts from 1.
title	String	Sheet title is specified.	
path_html	String	HTML file path of the applicable sheet is specified.	Used in the IE9 or below browser.
path_xhtml	String	XHTML file path of the applicable sheet is specified.	Used in the IE9 or higher browser, or a browser other than IE.

<pdf> element property

Comprised of the following elements under the <pdf_list> element.

Element name	Value	Descriptions	Remarks
id	Integer	Page number is specified.	Starts from 1.
title	String	Page tile is specified. The format is expressed in Page + Page number.	
path_html	String	HTML file path of the applicable page is specified.	Used in the IE9 or below browser.
w	Number	The width value of page is specified. unit:pt	
h	Number	The height value of page is specified. unit:pt	

<image> element property

Comprised of the following elements under the <image_list> element.

Element name	Value	Descriptions	Remarks
id	Integer	Image ID is specified.	Starts from 1.
path_image	String	Image file path is specified.	

Example:

Response Example

```
<index>
  <use_single_page>false</use_single_page>
  <file_name>
    <![CDATA[ d8db224556c5f651a8b0a945e310c86b ]]>
  </file_name>
  <file_type>jpeg</file_type>
  <width>810</width>
  <height>1440</height>
  <image_cnt>1</image_cnt>
  <image_list>
    <image>
      <id>1</id>
      <path_image>
        <![CDATA[
d8db224556c5f651a8b0a945e310c86b.files/d8db224556c5f651a8b0a945e310c86b.jpg
        ]]>
      </path_image>
    </image>
  </image_list>
</index>
```