eViewer v7

MS Technology Product

Digital Imaging and Document Management Solution

Page Scrolling

SOW

Version 012520231.1

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«GreetingLine»

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Mike Li

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If you find a typographical error in this manual, or if you have thought of a way to make this manual better, we would love to hear from you, feel free to share with us at **info@ms-technology.com**.

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Scope of Work

The scope of work with objective, deliverables, work, and possible inclusion and exclusion are as follows:

Current Implementation

eViewer v7 will support two types of Page Scrolling:

- ## Continuous Multipage Scrolling

  Once the document is rendered in eViewer and the page comes into the view, the user is able to scroll down the current page and as they near the bottom of the page, the next page starts coming into the view.

- ## Page By Page Scrolling

  User will only be able to scroll through a document one page at a time. The viewer will jump to the next page as soon as it reaches the end of a page while scrolling downwards and similarly viewer will jump to the previous page as soon as it reaches the beginning of a page while scrolling upwards.

Proposed Updates

- ## ScrollBy Mode

  In the **UserPreferences.json** file, the default **scrollby** mode will be set to "**page**" that is every single notch scrolling on the current page will move to the next or previous page of the document.

- Developers can find out the current zoom value through the existing **getCurrentScale** API. This API returns the current zoom value.

API

An API will be implemented to control the **scrollby** mode (page or continuous) individually for every document in eViewer. Developers can update this mode by calling this API at any point. The default **scrollby** mode will be set via **UserPreferences.json** however developers have the option to override that setting for every document via this API.

setDocumentScrollMode(docID, scrollMode)

Class: DocumentService

Summary: Set the scroll mode for the given document ID.

Parameters:

- docID:

    - **Type:** String
    - **Description:** ID of the document.

- scrollMode:

    - **Type:** String
    - **Description:** Can have two possible values "page" or "continuous"

    Returns: A promise object that when resolved marks the completion of the API.

Common Annotation Tags			
Attribute	TL	Data Type	JSON
	Highlight – 0x03	String	type: "HIGHLIGHT"
	Arow – 0x0A		type: "ARROW"
	Text Stamp – 0x0E		type: "TEXT"
	Image Stamp – 0x0F		type: "STAMP"
	Text – 0x08		type: "TEXT"
	Pen – 0x10		type: "FREEHAND"
	Line – 0x0D		type: "LINE"
	Circle – 0x0B		type: "OVAL"
	Rectangle – 0x0C		type: "RECTANGLE"
	Note – 0x01		type: "TEXT"
	Wrapped Note – 0x02		type: "TEXT"
Label	NA	String	Highlight OVAL Arrow Text Line Rectangle FREEHAND Rectangle Stamp
USERNAME	NA	String	Name of user
Id	NA	String	Unique ID of annotation in UUID format.
CREATEDID	NA	String	ID of user same as user name
CREATEDATE	NA	String	Annotation creation date and time stamp in MM/DD/YYYY HH:MM:SS AM/PM format.
EDIT	NA	String	
MODIFIEDDATE	NA	String	Annotation modified date and time stamp in MM/DD/YYYY HH:MM:SS AM/PM format.
MODIFIEDID	NA	String	Name of user who modified the annotation.
PAGE	Supported	Number	Page Number
readOnly	NA	Boolean	true is annotation is read only else false
origAnnCordinate	NA	Number	Possible Values that depict the direct of drawing anotation. 1 - 2 - 3 - 4 -
BORDER	Supported	Number	Annotation border width

rotationValue	NA	0 – No Rotation 1 – 90 2 – 180 3 – 270	Page Rotation
userType	NA		Possible Values: NORMAL
containerID	Calculated via BPG and EPG tags.	String	Page Number
origContainerID	NA	String	Page Number
isHor	NA	Boolean	Always set to false
isVert	NA	Boolean	Always set to false
cursor		Number	Possible Values: 1 – Line 2 – Rectangle 3 – Circle 4 – Arrow 5 – Pen 6 – Highlight 7 – Text 8 – Stamp
redactionTag	NA	String	Reason for redaction.
WIDTH	Calculated from startX and endX.	Number	Width of annotation
annCoordinate	Calculated from startX, startY and endX and endY.	Number	Direction in which annotation was drawn: 1 – Top Left to Bottom Right 2 – Bottpm Left to Top Right 3- Top Right to Bottom Left 4 – Bottom Right to Top Left
X	Supported	Number	Start X position of annotation
Y	Supported	Number	Start Y position of annotation
Width	Stores the End X position	Number	Width of annotation
Height	Stores the End Y position	Number	Height of annotation
isSelected	NA	Boolean	True if annotation was selected while saving.
isTransparent	Supported	Boolean	True if annotation is transparent
TRANSPARENT	NA	Number	Opacity value
rulerAddedVal	NA	Number	Always set to 0.
LINEWIDTH	Supported	Number	Same as border width
FILLCOLOR	Supported	String Color in (R,G,B)	Fill color of annotation.
PAGESIZE	NA	String	Page dimensions in WIDTH,HEIGHT format
comments	NA	String	Main comment of the annotation

reply	NA	Array Of Objects	Replies to the main comment if any
			[{
			    "id": "",
			    "userName": "",
			    "time": "",
			    "message": ""

			}]
ASPECTRATIO	NA	String	Default value 1:1 Written for compatibility with IBM JSON.
FONTHEIGHT	Supported	String	Font Size
FONTTYPE	Supported	String	Font name
FONTCOLOR	Border color and text color are same.	String Color in (R,G,B)	Color of text.
lfWidth	Supported	NA	The average width, in logical units, of characters in the font
lfEscapement	Supported	NA	The angle, in tenths of degrees, between the escapement vector and the x-axis of the device.
lfOrientation	Supported	NA	The angle, in tenths of degrees, between each character's base line and the x-axis of the device.
lfHeight	Supported	NA	The height, in logical units, of the font's character cell or character.
lfUnderline	Supported		An underlined font if set to TRUE.
lfStrikeThrough	Supported		A strikeout font if set to TRUE.
lfCharSet	Supported		The character set.
lfClipPrecision	Supported		The clipping precision.
lfOutPrecision	Supported		The output precision.
lfQuality	Supported		The output quality.
lfPitchAndFamily	Supported		The pitch and family of the font.
Stamp			
isTextStamp	NA (determined via annotation type)	Boolean	true for text stamp
stampWidth	Calculatd from startX and endX cords.	Number	Width of stamp annotation
stampHeight	Calculatd from startY and endY cords.	Number	Hright of stamp annotation.
stampImageUrl	Supported, stores the path of the image stamp on the local system. Previous versions used to store image data in the file itself.	String	Base64 Image data of stamp image.
annImagePath	NA	String	Always empty string
Arrow			
angleAnnValue	Supported by IBM Viewers.	Number	Always set to 0, as viewer does not support changing angle.
arcAnnCoordinate	Same as "angleAnnValue"	Number	Always set to 0, as viewer does not support changing angle.
X1	Supported	Number	Start X Position of annotation
Y1	Supported	Number	Start Y Position of annotation
X2	Supported	Number	End X Position of annotation
Y2	Supported	Number	End Y Position of annotation
Cloud / Polygon / Polyline			
actualMultiPointArray	NA	Array	Array of objects that stores X &

			Y points.
multiPointAnnMargin	NA		Default Value is 40 used for the curve on connection lines.
Redaction			
isRedactionSaved	NA	Boolean	True if document is redacted.
Pen			
Xn,Yn	NA	Number	Written for compatibility with IBM JSON format.

penCords	Supported	Array of Objects	{
			  "type": "pen",
			  "x": 5,
			  "y": 92,
			  "closePath": false
			}

nTotalSegments	Supported	NA	Total Segments
dwPtCount	Supported	NA	Total Points
Text			
textRotation	NA	Number	Rotation of page: 0 – No Rotation 1 – 90 2 – 180 3 – 270
origTextRotation	NA	Number	Stores the original page rotation when it was loaded.
bRotateWithImg	Supported	NA	Rotate text annotation with image. Default false.
Sticky Note			
stickynoteComments	NA	NA	Not in use
Button			
ACTIONSCRIPTNAME	NA	String	Name of the action script to be associated on click event of the button.