Foxit PDF SDK for .NET 8.0 Upgrade Warnings

This document contains a list of items that developers looking to upgrade to Foxit PDF SDK for .NET 8.0 from previous version should pay attention to. Changes to code may be required in order for your projects to compile using the new version.

Upgrading to version 8.0 from version 7.6

There are two minor upgrade warnings in this release when moving from version 7.6 to version 8.0:

- In **foxit.addon.conversion.HTML2PDFSettingData** class, the constructor function of **HTML2PDFSettingData** has added a new parameter as below:

  SDK 7.6:
  HTML2PDFSettingData (float page_width, float page_height, bool is_to_page_scale, RectF page_margin, bool is_convert_link, Rotation rotate_degrees, bool is_generate_tag, HTML2PDFSettingData.HTML2PDFPageMode page_mode)

  SDK 8.0:
  HTML2PDFSettingData (float page_width, float page_height, bool is_to_page_scale, RectF page_margin, bool is_convert_link, Rotation rotate_degrees, bool is_generate_tag, HTML2PDFSettingData.HTML2PDFPageMode page_mode, **bool to_generate_bookmarks**)

- In **foxit.pdf.PDFPage** class, the function **AddSignature** has added a new parameter as below:

  SDK 7.6:

  Signature AddSignature (RectF rect, string field_name, Signature.SignatureType signature_type)

  SDK 8.0:

  Signature AddSignature (RectF rect, string field_name, Signature.SignatureType signature_type, **bool to_check_permission**)

Upgrading to version 7.6 from version 7.5

There are two minor upgrade warnings in this release when moving from version 7.5 to version 7.6:

- In **foxit.pdf.actions.ActionCallback** class, add a new callback interface as below:

```
public virtual string BrowseFile(bool is_open_dialog, string file_format, string file_filter)
```

- In **foxit.pdf.LTVVerifier** class, remove the value (**e_VerifyModeETSI**) of the enumeration **LTVVerifier.VerifyMode**.

Upgrading to version 7.5 from version 7.4

There are two minor upgrade warnings in this release when moving from version 7.4 to version 7.5. In **foxit.pdf.HeaderFooter** class:

- The parameters of constructor function of **HeaderFooter** have been changed:

  SDK 7.4:

  HeaderFooter(Font font, float text_size, int text_color, PageNumberRange page_range, RectF page_margin, bool has_text_shrinked, bool has_fixedsize_for_print, int start_page_number, HeaderFooterContent content)

  SDK 7.5:

  HeaderFooter(Font font, float text_size, int text_color, PageNumberRange page_range, RectF page_margin, bool has_text_shrinked, bool has_fixedsize_for_print, int start_page_number, HeaderFooterContent content, **bool is_to_embed_font**, **bool is_underline**)

- The parameters of **Set** function have been changed:

  SDK 7.4:

  void **Set**(Font font, float text_size, int text_color, PageNumberRange page_range, RectF page_margin, bool has_text_shrinked, bool has_fixedsize_for_print, int start_page_number, HeaderFooterContent content)
  SDK 7.5:

  void **Set**(Font font, float text_size, int text_color, PageNumberRange page_range, RectF page_margin, bool has_text_shrinked, bool has_fixedsize_for_print, int start_page_number, HeaderFooterContent content, **bool is_to_embed_font**, **bool is_underline**)

Upgrading to version 7.4 from version 7.3

If you are upgrading from version 7.3 to version 7.4, please take note of the changes that occurred between version 7.3 and version 7.4.

- The value (**e_ImageCompressjpeg2**) of the enumeration class foxit.addon.optimization.MonoImageSettings.**MonoImageCompressMode** has been renamed to **e_ImageCompressjbig2**.

- In foxit.pdf.annots.**Markup** class:

  The functions below have been removed from version 7.4:

```
public int GetStateAnnotCount(Markup.StateModel model)
public Note GetStateAnnot(Markup.StateModel model, int index)
```

  And then add a new function as below:

```
public NoteArray GetStateAnnots(Markup.StateModel model)
```

- In foxit.pdf.actions.**ActionCallback** class, add three callback functions as below:

```
public virtual PDFDoc GetCurrentDoc()
public virtual PDFDoc CreateBlankDoc()
public virtual bool OpenDoc(string file_path, string password)
```

- Some APIs have been changed in version 7.4. The following table lists the APIs mapping between version 7.3 and 7.4.

Class	**SDK 7.3**	**SDK 7.4**
foxit.addon.conversion.**Word2PDFSettingData**	public Word2PDFSettingData(bool include_doc_props, **bool convert_to_pdfa**, Word2PDFSettingData.ConvertOptimizeOption optimize_option, Word2PDFSettingData.ConvertContentOption content_option, Word2PDFSettingData.ConvertBookmarkOption bookmark_option)	public Word2PDFSettingData(bool include_doc_props, Word2PDFSettingData.ConvertOptimizeOption optimize_option, Word2PDFSettingData.ConvertContentOption content_option, Word2PDFSettingData.ConvertBookmarkOption bookmark_option, **bool convert_to_pdfa**)
	public void Set(bool include_doc_props, **bool convert_to_pdfa**, Word2PDFSettingData.ConvertOptimizeOption optimize_option, Word2PDFSettingData.ConvertContentOption content_option, Word2PDFSettingData.ConvertBookmarkOption bookmark_option)	public void Set(bool include_doc_props, Word2PDFSettingData.ConvertOptimizeOption optimize_option, Word2PDFSettingData.ConvertContentOption content_option, Word2PDFSettingData.ConvertBookmarkOption bookmark_option, **bool convert_to_pdfa**)
foxit.addon.conversion.**Excel2PDFSettingData**	public Excel2PDFSettingData(bool include_doc_props, **bool convert_to_pdfa**, Excel2PDFSettingData.ConvertQuality quality, bool ignore_print_area,	public Excel2PDFSettingData(bool include_doc_props, Excel2PDFSettingData.ConvertQuality quality, bool ignore_print_area, Excel2PDFSettingData.ScaleType scale_type, **bool convert_to_pdfa**)

Class	SDK 7.3	SDK 7.4
	Excel2PDFSettingData.ScaleType scale_type)	
	public void Set(bool include_doc_props, **bool convert_to_pdfa**, Excel2PDFSettingData.ConvertQuality quality, bool ignore_print_area, Excel2PDFSettingData.ScaleType scale_type)	public void Set(bool include_doc_props, Excel2PDFSettingData.ConvertQuality quality, bool ignore_print_area, Excel2PDFSettingData.ScaleType scale_type, **bool convert_to_pdfa**)
foxit.pdf.annots.**Markup**	public Note AddStateAnnot(Markup.StateModel model, Markup.State state)	public Note AddStateAnnot(**string title**, Markup.StateModel model, Markup.State state)
foxit.pdf.**TextSearch**	public TextSearch(foxit.pdf.PDFDoc document, SearchCancelCallback cancel)	public TextSearch(foxit.pdf.PDFDoc document, SearchCancelCallback cancel, **int flags**)
foxit.common.**Font**	public **string** GetFamilyName()	public **byte[]** GetFamilyName()
	public **string** GetBaseFontName(PDFDoc document)	public **byte[]** GetBaseFontName(PDFDoc document)
foxit.pdf.annots.**FreeText**	void SetTextMatrix(Matrix2D text_matrix)	deprecated
	Matrix2D GetTextMatrix()	deprecated

Upgrading to version 7.3 from version 7.2

There are some minor upgrade warnings in this release when moving from version 7.2 to version 7.3:

- The enumeration **foxit.pdf.graphics.ImageObject.ColorSpace** has been changed to **foxit.common.ColorSpaceType**.
- The enumeration foxit.pdf.interform.Field.Flags.**e_FlagChoiseMultiSelect** has been changed to foxit.pdf.interform.Field.Flags.**e_FlagChoiceMultiSelect**.
- The TrustedCertStoreCallback class adds a new callback function (**virtual bool IsCertTrustedRoot (byte[] cert)**).

Upgrading to version 7.2 from version 7.1

There is only one minor upgrade warning in this release when moving from version 7.1 to version 7.2. In this release we worked hard to ensure that no modifications to existing code bases would be required when upgrading.

The parameter type of the function **foxit.addon.optimization.ImageSettings.SetQuality** has been changed as below:

SDK 7.1:

void foxit.addon.optimization.ImageSettings.SetQuality (**int** quality)

SDK 7.2:

void foxit.addon.optimization.ImageSettings.SetQuality (**ImageSettings.ImageCompressQuality** quality)

Upgrading to version 7.1 from version 7.0

If you are upgrading from version 7.0 to version 7.1, please take note of the changes that occurred between version 7.0 and version 7.1.

- From 7.1 version, the whole **foxit.addon.ConnectedPDF** class has been removed.
- Some APIs have been changed in version 7.1. Note that the APIs related to ConnectedPDF in the PDFDoc class have also been removed. The following table lists the APIs mapping between version 7.0 and 7.1.

SDK 7.0	**SDK 7.1**
Charset foxit.common.Font.**GetCharset**(PDFDoc document)	**CIDCharset** foxit.common.Font.**GetCIDCharset**(PDFDoc document)
void foxit.pdf.annots.Line.SetMeasureUnit(**int** measure_type, string unit)	void foxit.pdf.annots.Line.SetMeasureUnit(**MeasureType** measure_type, string unit)
string foxit.pdf.annots.Line.GetMeasureUnit(**int** measure_type)	string foxit.pdf.annots.Line.GetMeasureUnit(**MeasureType** measure_type)
void foxit.pdf.annots.Line.SetMeasureConversionFactor(**int** measure_type, float factor)	void foxit.pdf.annots.Line.SetMeasureConversionFactor(**MeasureType** measure_type, float factor)
float foxit.pdf.annots.Line.GetMeasureConversionFactor(**int** measure_type)	float foxit.pdf.annots.Line.GetMeasureConversionFactor(**MeasureType** measure_type)
bool foxit.pdf.PDFDoc.IsCPDF()	Removed
bool foxit.pdf.PDFDoc.IsCDRM()	Removed
string foxit.pdf.PDFDoc.GetDocURI()	Removed
string foxit.pdf.PDFDoc.GetEndpoint()	Removed

Upgrading to version 7.0 from version 6.4

There are two minor upgrade warnings in this release when moving from version 6.4 to version 7.0:

- The value of enumeration **foxit.pdf.Signature.States.e_StateUnknown** has been changed from 0 to 0x80000000.

- The functions **foxit.pdf.Signature.StartVerify** and **foxit.pdf.SignatureCallback.VerifySigState** are only used to verify the integrity of a signature instead of the validity of a signature, so that the return value of **VerifySigState** in the default signature callback has been changed from "VALID/INVALID" to "NOCHANGE/CHANGE".

Upgrading to version 6.4 from version 6.3

There are two minor upgrade warnings in this release when moving from version 6.3 to version 6.4.

- The function **foxit.common.Renderer.SetTransformAnnotIcon** has been deprecated.
- The parameter "**is_transform_icon**" of the function **foxit.pdf.annots.Annot.GetDeviceRect** has been deprecated.

Upgrading to version 6.3 from version 6.2.1

There is only one minor upgrade warning in this release when moving from version 6.2.1 to version 6.3. In this release we worked hard to ensure that no modifications to existing code bases would be required when upgrading.

The function name of **foxit.pdf.interform.Field.SetDefualtValue** has been changed to **foxit.pdf.interform.Field.SetDefaultValue**.

Upgrading to version 6.2.1 from version 6.2

There is only one upgrade warning in this release when moving from version 6.2 to version 6.2.1. In this release we worked hard to ensure that no modifications to existing code bases would be required when upgrading.

Add a callback interface **WidgetEvent** in **foxit.addon.xfa.DocProviderCallback** class to execute xfa widget event when you create or destroy xfa widget.

Upgrading to version 6.2 from version 6.1.1

There is only one upgrade warning in this release when moving from version 6.1.1 to version 6.2. In this release we worked hard to ensure that no modifications to existing code bases would be required when upgrading.

The return type of foxit.addon.xfa.XFADoc.**ExportData** has been changed from **void** to **bool**.

Upgrading to version 6.1.1 from version 6.1

If you are upgrading from version 6.1 to version 6.1.1, please take note of the changes that occurred between version 6.1 and version 6.1.1.

For the version 6.1.1 release of Foxit PDF SDK for .NET, there are a few minor changes:

- Add a new class "foxit.common.fxcrt.StreamCallback", and change the parameter in the foxit.common.Image**.SaveAs** function from
  "public bool foxit.common.Image.SaveAs(**WriteCallback** file, string file_extension)"
  to
  "public bool foxit.common.Image.SaveAs(**StreamCallback** file, string file_extension)".
- Change the enum definitions of watermark position from "**foxit.pdf.WatermarkSettings.Position**" to "**foxit.common.Position**".
- The return type for some API functions were changed:
  string foxit.pdf.objects.PDFObject.GetString -->
  byte[] foxit.pdf.objects.PDFObject.GetString

  string foxit.pdf.SignatureCallback.GetDigest -->
  byte[] foxit.pdf.SignatureCallback.GetDigest

  string foxit.pdf.SignatureCallback.Sign -->
  byte[] foxit.pdf.SignatureCallback.Sign

If you use any of these functions in your code then you may need to update your code to reflect the change when moving to version 6.1.1.

Upgrading to version 6.1 from version 6.0

If you are upgrading from version 6.0 to version 6.1, please take note of the changes that occurred between version 6.0 and version 6.1.

For the version 6.1 release of Foxit PDF SDK for .NET, some namespaces were changed. The following table lists the namespaces mapping between versions 6.0 and 6.1.

SDK 6.0	SDK 6.1
foxit.pdf.filespec.	**foxit.pdf**
foxit.pdf.watermark	**foxit.pdf**
foxit.pdf.signature	**foxit.pdf**
foxit.pdf.security	**foxit.pdf**
foxit.pdf.psi	**foxit.pdf**
foxit.pdf.layer	**foxit.pdf**