

Foxit PDF SDK for .NET Core 8.1 Upgrade Warnings

This document contains a list of items that developers looking to upgrade to Foxit PDF SDK for .NET Core 8.1 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 8.1 from version 8.0

If you are upgrading from version 8.0 to version 8.1, please take note of the changes that occurred between version 8.0 and version 8.1.

- In foxit.pdf.interform.**FillerAssistCallback** class, add seven callback functions as below:

```
virtual global::System.IntPtr CreatePopupMenu ()
virtual bool AppendPopupMenuitem (global::System.IntPtr h_popup_menu,
FillerAssistCallback.PopupMenuitem popup_menu_item, string default_string)
virtual bool EnablePopupMenuitem (global::System.IntPtr h_popup_menu,
FillerAssistCallback.PopupMenuitem popup_menu_item, bool is_enabled)
virtual bool ShowPopupMenu (global::System.IntPtr h_popup_menu, PointF point)
virtual void DestroyPopupMenu (global::System.IntPtr h_popup_menu)
virtual void SetClipboardText (string text)
virtual string GetClipboardText ()
```

- In foxit.pdf.actions.**IdentityProperties** class:

1. add four properties as below:

```
string department[get, set]
string first_name[get, set]
string last_name[get, set]
string title[get, set]
```

2. the constructor function of **IdentityProperties** has added four new parameters as below:

SDK 8.0:

```
IdentityProperties (string corporation, string email, string login_name, string name)
```

SDK 8.1:

```
IdentityProperties (string corporation, string email, string login_name, string name, string first_name, string last_name, string title, string department)
```

- the function **Set** has added four new parameters as below:

SDK 8.0:

```
void Set (string corporation, string email, string login_name, string name)
```

SDK 8.1:

```
void Set (string corporation, string email, string login_name, string name, string first_name, string last_name, string title, string department)
```

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

```
virtual bool SetIdentityProperties (IdentityProperties identity_properties)
```

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_shrunked, 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_shrunked, 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_shrunked, 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_shrunked, 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.MonolImageSettings.**MonolImageCompressMode** 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 (only for Windows platform)	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	public void Set(bool include_doc_props,

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

If you are upgrading from version 7.1 to version 7.2, please take note of the changes that occurred between version 7.1 and version 7.2.

The parameter type "**int**" of the function

foxit.addon.optimization.ImageSettings.SetQuality has been changed to

"ImageSettings.ImageCompressQuality" as shown in the below table:

Class	SDK 7.0	SDK 7.1
ImageSettings	Public void SetQuality(int quality)	Public void SetQuality (ImageSettings.ImageCompressQuality quality)

The parameter type "**string**" of some APIs have been changed to "**byte[]**", which are listed in the following table.

Class	SDK 7.0	SDK 7.1
CertIssuerPair	public CertIssuerPair(string cert, string issuer)	public CertIssuerPair(byte[] cert, byte[] issuer)
	public void Set(string cert, string issuer)	public void Set(byte[] cert, byte[] issuer)
CertVerifyResult	public CertVerifyResult(string cert, bool is_ca, bool is_trusted,...)	public CertVerifyResult(byte[] cert, bool is_ca, bool is_trusted,...)
	public void Set(string cert, bool is_ca, bool is_trusted,...)	public void Set(byte[] cert, bool is_ca, bool is_trusted,...)
Response	public Response(Response.ResponseType type, string response_data)	public Response(Response.ResponseType type, byte[] response_data)
	public void Set(Response.ResponseType type, string response_data)	public void Set(Response.ResponseType type, byte[] response_data)
TrustedCertStoreCallback	public virtual bool IsCertTrusted(string cert)	public virtual bool IsCertTrusted(byte[] cert)
RevocationCallback	public virtual StringArray GetCertChainFromSignature(string signature_content)	public virtual StringArray GetCertChainFromSignature(byte[] signature_content)
	public virtual CertVerifyResult VerifyOCSP(CertIssuerPair cert_issuer_pair, string ocp_data)	public virtual CertVerifyResult VerifyOCSP(CertIssuerPair cert_issuer_pair, byte[] ocp_data)
	public virtual CertVerifyResult VerifyCRL(CertIssuerPair cert_issuer_pair, string crl_data)	public virtual CertVerifyResult VerifyCRL(CertIssuerPair cert_issuer_pair, byte[] crl_data)
	public virtual bool IsCA(string cert)	public virtual bool IsCA(byte[] cert)
	public virtual DateTime GetDTSTime(string signature_content)	public virtual DateTime GetDTSTime(byte[] signature_content)
	public virtual string GetTSTSignature(string signature_content)	public virtual string GetTSTSignature(byte[] signature_content)
	public virtual DateTime GetTSTTime(string signature_content)	public virtual DateTime GetTSTTime(byte[] signature_content)
	public virtual CertIssuerPair GetOCSPCertAndIssuer(string ocp_data, StringArray trust_cert_chain)	public virtual CertIssuerPair GetOCSPCertAndIssuer(byte[] ocp_data, StringArray trust_cert_chain)
	public virtual DateTime GetOCSPProducedAtTime(string ocp_data)	public virtual DateTime GetOCSPProducedAtTime(byte[] ocp_data)
	public virtual bool IsOCSPNeedCheck(string ocp_data)	public virtual bool IsOCSPNeedCheck(byte[] ocp_data)

Class	SDK 7.0	SDK 7.1
	public virtual TimeRange GetCertValidTimeRange(string cert)	public virtual TimeRange GetCertValidTimeRange(byte[] cert)
	public virtual string GetOCSPSignature(string ocsf_data)	public virtual string GetOCSPSignature(byte[] ocsf_data)
	public virtual string GetCRLSignature(string crl_data)	public virtual string GetCRLSignature(byte[] crl_data)
	public virtual RevocationArrayInfo GetRevocationInfoFromSignatureData(string signature_content)	public virtual RevocationArrayInfo GetRevocationInfoFromSignatureData(byte[] signature_content)

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