

# Foxit PDF SDK for .NET Core 7.6 Upgrade Warnings

This document contains a list of items that developers looking to upgrade to Foxit PDF SDK for .NET Core 7.6 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 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. <b>Word2PDFSettingData</b>	public Word2PDFSettingData(bool include_doc_props, <b>bool convert_to_pdfa</b> ,	public Word2PDFSettingData(bool include_doc_props, Word2PDFSettingData.ConvertOpti

Class	SDK 7.3	SDK 7.4
(only for Windows platform)	Word2PDFSettingData.ConvertOptimizeOption optimize_option, Word2PDFSettingData.ConvertContentOption content_option, Word2PDFSettingData.ConvertBookmarkOption bookmark_option)	mizeOption optimize_option, Word2PDFSettingData.ConvertContentOption content_option, Word2PDFSettingData.ConvertBookmarkOption bookmark_option, <b>bool convert_to_pdfa</b> )
	public void Set(bool include_doc_props, <b>bool convert_to_pdfa</b> , 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, <b>bool convert_to_pdfa</b> )
foxit.addon.conversion. <b>Excel2PDFSettingData</b> (only for Windows platform)	public Excel2PDFSettingData(bool include_doc_props, <b>bool convert_to_pdfa</b> , 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, <b>bool convert_to_pdfa</b> )
	public void Set(bool include_doc_props, <b>bool convert_to_pdfa</b> , 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, <b>bool convert_to_pdfa</b> )
foxit.pdf.annots. <b>Markup</b>	public Note AddStateAnnot(Markup.StateModel model, Markup.State state)	public Note AddStateAnnot( <b>string title</b> , Markup.StateModel model, Markup.State state)
foxit.pdf. <b>TextSearch</b>	public TextSearch(foxit.pdf.PDFDocument document, SearchCancelCallback cancel)	public TextSearch(foxit.pdf.PDFDocument document, SearchCancelCallback cancel, <b>int flags</b> )
foxit.pdf.annots. <b>FreeText</b>	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( <b>int</b> quality)	Public void SetQuality ( <b>ImageSettings.ImageCompressQuality</b> 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( <b>string</b> cert, <b>string</b> issuer)	public CertIssuerPair( <b>byte[]</b> cert, <b>byte[]</b> issuer)
	public void Set( <b>string</b> cert, <b>string</b> issuer)	public void Set( <b>byte[]</b> cert, <b>byte[]</b> issuer)
CertVerifyResult	public CertVerifyResult( <b>string</b> cert, bool is_ca, bool is_trusted,...)	public CertVerifyResult( <b>byte[]</b> cert, bool is_ca, bool is_trusted,...)
	public void Set( <b>string</b> cert, bool is_ca, bool is_trusted,...)	public void Set( <b>byte[]</b> cert, bool is_ca, bool is_trusted,...)
Response	public Response(Response.ResponseType type, <b>string</b> response_data)	public Response(Response.ResponseType type, <b>byte[]</b> response_data)
	public void Set(Response.ResponseType type, <b>string</b> response_data)	public void Set(Response.ResponseType type, <b>byte[]</b> response_data)
TrustedCertStoreCallback	public virtual bool IsCertTrusted( <b>string</b> cert)	public virtual bool IsCertTrusted( <b>byte[]</b> cert)
RevocationCallback	public virtual StringArray GetCertChainFromSignature( <b>string</b> signature_content)	public virtual StringArray GetCertChainFromSignature( <b>byte[]</b> signature_content)
	public virtual CertVerifyResult VerifyOCSP(CertIssuerPair cert_issuer_pair, <b>string</b> ocp_data)	public virtual CertVerifyResult VerifyOCSP(CertIssuerPair cert_issuer_pair, <b>byte[]</b> ocp_data)
	public virtual CertVerifyResult VerifyCRL(CertIssuerPair cert_issuer_pair, <b>string</b> crl_data)	public virtual CertVerifyResult VerifyCRL(CertIssuerPair cert_issuer_pair, <b>byte[]</b> crl_data)
	public virtual bool IsCA( <b>string</b> cert)	public virtual bool IsCA( <b>byte[]</b> cert)
	public virtual DateTime GetDTSTime( <b>string</b> signature_content)	public virtual DateTime GetDTSTime( <b>byte[]</b> signature_content)
	public virtual string GetTSTSignature( <b>string</b> signature_content)	public virtual string GetTSTSignature( <b>byte[]</b> signature_content)
	public virtual DateTime GetTSTTime( <b>string</b> signature_content)	public virtual DateTime GetTSTTime( <b>byte[]</b> signature_content)

Class	SDK 7.0	SDK 7.1
	public virtual CertIssuerPair GetOCSPCertAndIssuer( <b>string</b> ocs_data, StringArray trust_cert_chain)	public virtual CertIssuerPair GetOCSPCertAndIssuer( <b>byte[]</b> ocs_data, StringArray trust_cert_chain)
	public virtual DateTime GetOCSPProducedAtTime( <b>string</b> ocsp_data)	public virtual DateTime GetOCSPProducedAtTime( <b>byte[]</b> ocs_data)
	public virtual bool IsOCSPNeedCheck( <b>string</b> ocs_data)	public virtual bool IsOCSPNeedCheck( <b>byte[]</b> ocsp_data)
	public virtual TimeRange GetCertValidTimeRange( <b>string</b> cert)	public virtual TimeRange GetCertValidTimeRange( <b>byte[]</b> cert)
	public virtual string GetOCSPSignature( <b>string</b> ocs_data)	public virtual string GetOCSPSignature( <b>byte[]</b> ocs_data)
	public virtual string GetCRLSignature( <b>string</b> crl_data)	public virtual string GetCRLSignature( <b>byte[]</b> crl_data)
	public virtual RevocationArrayInfo GetRevocationInfoFromSignatureData( <b>stri</b> <b>ng</b> signature_content)	public virtual RevocationArrayInfo GetRevocationInfoFromSignatureData( <b>byte[]</b> 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
<b>Charset</b> foxit.common.Font. <b>GetCharset</b> (PDFDoc document )	<b>CIDCharset</b> foxit.common.Font. <b>GetCIDCharset</b> (PDFDoc document)
void foxit.pdf.annots.Line.SetMeasureUnit( <b>int</b> measure_type, string unit)	void foxit.pdf.annots.Line.SetMeasureUnit( <b>MeasureType</b> measure_type, string unit)
string foxit.pdf.annots.Line.GetMeasureUnit( <b>int</b> measure_type)	string foxit.pdf.annots.Line.GetMeasureUnit( <b>MeasureType</b> measure_type)
void foxit.pdf.annots.Line.SetMeasureConversionFac tor( <b>int</b> measure_type, float factor)	void foxit.pdf.annots.Line.SetMeasureConversionFactor( <b>Meas ureType</b> measure_type, float factor)
float foxit.pdf.annots.Line.GetMeasureConversionFa ctor( <b>int</b> measure_type)	float foxit.pdf.annots.Line.GetMeasureConversionFactor( <b>Meas ureType</b> measure_type)
bool foxit.pdf.PDFDoc.IsCPDF()	Removed
bool foxit.pdf.PDFDoc.IsCDRM()	Removed
string foxit.pdf.PDFDoc.GetDocURI()	Removed

SDK 7.0	SDK 7.1
string foxit.pdf.PDFDoc.GetEndpoint()	Removed