Foxit PDF SDK for Python API 10.0 Upgrade Warnings

This document contains a list of items that developers looking to upgrade to Foxit PDF SDK for Python API 10.0 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 10.0 from version 9.2

If you are upgrading from version 9.2 to version 10.0, please take note of the changes that occurred between version 9.2 and version 10.0.

- For Compliance module, the compliance resource files have been updated, please contact Foxit support team or sales team to get the latest resource files package.

  Only the latest engine can be used with version 10.0, using the older engine will cause errors. Version 9.2 is not compatible with the latest engine, it will throw errors in multi-threading situations.

- In **PDF2WordSettingData** class:

  1. add two new properties as below:

     > **enable_generate_headers_and_footers**;
     > **enable_generate_footnotes_and_endnotes**;

  2. the constructor function of **PDF2WordSettingData** has added two new parameters as below:

     SDK 9.2:

     > def PDF2WordSettingData(enable_retain_page_layout)

     SDK 10.0:

     > def PDF2WordSettingData(enable_retain_page_layout, **enable_generate_headers_and_footers**, **enable_generate_footnotes_and_endnotes**)

  3. the function **Set** has added two new parameters as below:

     SDK 9.2:

     > def Set(enable_retain_page_layout)

SDK 10.0:

```
def Set(enable_retain_page_layout, enable_generate_headers_and_footers,
enable_generate_footnotes_and_endnotes)
```

- In **PDF2OfficeSettingData** class:

  1. add two new properties as below:

  ```
  power_point_setting_data;
  excel_setting_data;
  ```

  2. the constructor function of **PDF2OfficeSettingData** has added two new parameters as below:

  SDK 9.2:

  ```
  def PDF2OfficeSettingData(metrics_data_folder_path, enable_ml_recognition, page_range,
  include_pdf_comments, word_setting_data)
  ```

  SDK 10.0:

  ```
  def PDF2OfficeSettingData(metrics_data_folder_path, enable_ml_recognition, page_range,
  include_pdf_comments, word_setting_data, power_point_setting_data,
  excel_setting_data)
  ```

  3. the function **Set** has added two new parameters as below:

  SDK 9.2:

  ```
  def Set(metrics_data_folder_path, enable_ml_recognition, page_range,
  include_pdf_comments, word_setting_data)
  ```

  SDK 10.0:

  ```
  def Set(metrics_data_folder_path, enable_ml_recognition, page_range,
  include_pdf_comments, word_setting_data, power_point_setting_data,
  excel_setting_data)
  ```

Upgrading to version 9.2 from version 9.1

If you are upgrading from version 9.1 to version 9.2, please take note of the changes that occurred between version 9.1 and version 9.2.

- For OCR module, the OCR engine for Linux x64 has been upgraded, please contact Foxit support team or sales team to get the latest engine files package.

- For PDF to Office module, the version of the PDF to Office resource files package naming Foxit PDF Conversion SDK (C++) should be 1.5 or higher.

- In **PDF2OfficeSettingData** class:

  1. add three new attributes as below:

     ```
     page_range
     include_pdf_comments
     word_setting_data
     ```

  2. the constructor function of **PDF2OfficeSettingData** has added three new parameters as below:

     SDK 9.1:

     ```
     def  PDF2OfficeSettingData (metrics_data_folder_path, enable_ml_recognition)
     ```

     SDK 9.2:

     ```
     def  PDF2OfficeSettingData (metrics_data_folder_path, enable_ml_recognition,
     page_range, include_pdf_comments, word_setting_data)
     ```

  3. the function **Set** has added three new parameters as below:

     SDK 9.1:

     ```
     def  Set (metrics_data_folder_path, enable_ml_recognition)
     ```

     SDK 9.2:

     ```
     def  Set (metrics_data_folder_path, enable_ml_recognition, page_range,
     include_pdf_comments, word_setting_data)
     ```

- In **ActionCallback** class, add five new callback functions as below:

  ```
  def EnablePageLoop (is_loop)
  def IsPageLoop ()
  def SetDefaultPageTransitionMode (trans_type, trans_di)
  def IsCurrentDocOpenedInBrowser ()
  def PostMessageToHtml (message)
  ```

Upgrading to version 9.1 from version 9.0

If you are upgrading from version 9.0 to version 9.1, please take note of the changes that occurred between version 9.0 and version 9.1.

- For Compliance module, the compliance resource files have been updated, please contact Foxit support team or sales team to get the latest resource files package.

- In **ActionCallback** class, add a new callback function as below:

```
def SoapRequest (request_params)
```

Upgrading to version 9.0 from version 8.4.2

If you are upgrading from version 8.4.2 to version 9.0, please take note of the changes that occurred between version 8.4.2 and version 9.0.

- For HTML to PDF module, the HTML to PDF engine has been upgraded, please contact Foxit support team or sales team to get the latest engine files package.

- For Compliance module, the compliance resource files for **Linux** have been updated, please contact Foxit support team or sales team to get the latest resource files package.

- For OCR module, the OCR engine for Windows has been upgraded, please contact Foxit support team or sales team to get the latest engine files package.

- The version of clang used for building and compiling the Foxit PDF SDK for Mac (x64) has been upgraded from 9.1.0 to 11.0.3.

- In **ActionCallback** class:

  1. add four new callback functions as below:

     ```
     def Query (keywords, search_scope, search_option, di_path)
     def AddSearchIndex (di_path, is_selected)
     def RemoveSearchIndex (search_index_config)
     def GetSignatureAPStyleNameList ()
     ```

  2. the function **SelectPageNthWord** has been changed as below:

     SDK 8.4.2:

     ```
     def SelectPageNthWord (page_index, word_index, is_show_selection)
     ```

     SDK 9.0:

     ```
     def SelectPageNthWord (page_index, start_offset, end_offset, is_show_selection)
     ```

Upgrading to version 8.4.2 from version 8.4.1

There is only one minor upgrade warning in this release when moving from version 8.4.1 to version 8.4.2:

- For OCR module, the OCR engine has been upgraded, please contact Foxit support team or sales team to get the latest engine files package.

Upgrading to version 8.4.1 from version 8.4

There is only one minor upgrade warning in this release when moving from version 8.4 to version 8.4.1:

- For HTML to PDF module, the HTML to PDF engine has been upgraded, please contact Foxit support team or sales team to get the latest engine files package.

Upgrading to version 8.4 from version 8.3

If you are upgrading from version 8.3 to version 8.4, please take note of the changes that occurred between version 8.3 and version 8.4.

- GCC compiler update on Linux

    Starting from version 8.4 Foxit PDF SDK for Linux (x86 and x64), the minimum supported version of GCC compiler has been upgraded from gcc4.8 to gcc4.9.4. For the SDK to work properly, make sure your current GCC version is 4.9.4 or higher, or the libstdc++.so.6 is 6.0.20 or higher.

- For OCR module, the OCR engine has been upgraded, please contact Foxit support team or sales team to get the latest engine files package.

- In **ActionCallback** class:

    1. Add thirty-one new callback functions as below:

    ```
    def SetCurrentPage (document, destination)
    def CloseDoc (document, is_prompt_to_save)
    def IsLocalFile (document)
    def GetAttachmentsFilePath (pdf_doc, name)
    def GetExtractedEmbeddedFilePath (pdf_doc, name)
    def Print (document, print_params)
    def GetUntitledBookmarkName ()
    def GetPrinterNameList ()
    def AddToolButton (button_item)
    def RemoveToolButtom (button_name)
    def GetMenuItemNameList ()
    ```

```
def AddMenuItem (menu_item_config, is_prepend)
def AddSubMenu (menu_item_config)
def ShowDialog (dlg_config)
def GetFullScreen ()
def SetFullScreen (is_full_screen)
def OnFieldValueChanged (field_name, type, value_before_changed, value_after_changed)
def UpdateLogicalLabel ()
def MailDoc (document, to_address, cc_address, bcc_address, subject, message, is_ui)
def GetTemporaryFileName (document, file_suffix_name)
def OpenMediaPlayer (player_args)
def GetTemporaryDirectory ()
def Scroll (point)
def  SelectPageNthWord (page_index, word_index, is_show_selection)
def GetMousePosition ()
def GetPageWindowRect ()
def GetLayoutMode ()
def SetLayoutMode (layout_mode, is_cover_mode)
def GetPageScale()
def SetPageScale (zoom_mode, dest)
def GetPageZoomMode()
```

- In **PDFPage** class:

    1. The function **Transform** has added a new parameter as below:

       SDK 8.3:

       ```
       def Transform (matrix, need_transform_clip_path)
       ```

       SDK 8.4:

       ```
       def Transform (matrix, need_transform_clip_path, need_transform_annotations)
       ```

- Remove PagingSeal class.