



# ScanToPDF Dynacode Events

## Introduction

Thank you for your interest in the ScanToPDF Dynacode Plug-in. The plug-in provides many events that can be used to enhance the functionality of the ScanToPDF Core Product. The Integrated Development Environment can be used to produce code in C# or VB .Net.

## Event Name

**void DocumentTypeChanged**

*Occurs when the document type chosen in the Document Type Selector changes*

## Event Data

The event handler receives the following arguments

- ❖ **string documentType**

## C# Event Declaration

```
void DocumentTypeChanged(string documentType)
```

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## Event Name

**void LoadLanguageDependentStuff**

*Occurs when language dependant details are loaded*

## Event Data

- ❖ **ScanToPDF.Language language**

## C# Event Declaration

```
void LoadLanguageDependentStuff(ScanToPDF.Language language);
```

---



# ScanToPDF Dynacode Events

## Event Name

**bool** FileSaved

*Occurs when a PDF file is saved*

## Event Data

The event handler receives the following arguments

- ❖ **string** filePath
- ❖ **System.Collections.ArrayList** pagesSave
- ❖ **System.Collections.Hashtable** metadata

## C# Event Declaration

```
bool FileSaved(string filePath, System.Collections.ArrayList pagesSaved,  
System.Collections.Hashtable metaData);
```

---

## Event Name

**bool** FileSavedEx

*Occurs when a PDF file with OCR performed on the document is saved*

## Event Data

The event handler receives the following arguments

- ❖ **string** filePath
- ❖ **System.Collections.ArrayList** pagesSaved
- ❖ **System.Collections.Hashtable** metadata
- ❖ **System.Collections.Hashtable** ocrData )

## C# Event Declaration

```
bool FileSavedEx(string filePath, System.Collections.ArrayList pagesSaved,  
System.Collections.Hashtable metaData, System.Collections.Hashtable ocrData );
```

---



# ScanToPDF Dynacode Events

## Event Name

**bool SaveCancelled**

*Occurs when the batch has been aborted*

## Event Data

The event handler receives the following arguments

- ❖ **SaveCancellationReason reason**

## C# Event Declaration

```
bool SaveCancelled(SaveCancellationReason reason);
```

---

## Event Name

**void ImportBitmap**

*Occurs when an image is acquired from a folder, happens for each potential page in a multi-page tiff file*

## Event Data

The event handler receives the following arguments

- ❖ **String filePath**
- ❖ **Int Pageindex**
- ❖ **Ref Bitmap bmp**

## C# Event Declaration

```
void ImportBitmap(string filePath,int pageIndex,ref Bitmap bmp);
```

---

## Event Name

**void ScannedDib**

*Occurs when it has received a DIB (Device Independant Bitmap) from the scanner before scannedBitmap which itself is before scannedFile*

## Event Data

The event handler receives the following arguments

- ❖ **Ref IntPtr hDib**

## C# Event Declaration

```
void ScannedDib(ref IntPtr hDib);
```



# ScanToPDF Dynacode Events

## Event Name

`void PreprocessScannedBmp`

*Occurs when pre-processing starts on an acquired image*

## Event Data

The event handler receives the following arguments

❖ Ref Bitmap bmp

## C# Event Declaration

```
void PreprocessScannedBmp(ref Bitmap bmp);
```

---

## Event Name

`void ScannedBmp`

*Occurs when a bitmap has been scanned*

## Event Data

The event handler receives the following arguments

❖ ref Bitmap bmp

## C# Event Declaration

```
void ScannedBmp(ref Bitmap bmp);
```

---

## Event Name

`void ScannedFile`

*Occurs when a file is acquired from a folder*

## Event Data

The event handler receives the following arguments

❖ ref string filePath

## C# Event Declaration

```
void ScannedFile(ref string filePath);
```

---



# ScanToPDF Dynacode Events

## Event Name

**bool** ButtonClick

*Occurs when a button is clicked*

## Event Data

The event handler receives the following arguments

- ❖ **string** buttonName

## C# Event Declaration

```
bool ButtonClick(string buttonName);
```

---

## Event Name

**bool** DeletelImage

*Occurs when an image is deleted prior to saving*

## Event data

The event handler receives the following arguments

- ❖ **int** index
- ❖ **string** filePath

## C# Event Declaration

```
bool DeletelImage(int index,string filePath);
```

---

## Event Name

**bool** StartOfBatch

*Occurs when acquisition of images starts*

## Event Data

The event handler receives the following arguments

- ❖ **Origami.Twain.TwainCtrl** twainCtrl
- ❖ **ref ScanToPDF.Core.UserPreferences** userPreferences
- ❖ **out bool** doScan

## C# Event Declaration

```
bool StartOfBatch(Origami.Twain.TwainCtrl twainCtrl,ref ScanToPDF.Core.UserPreferences userPreferences , out bool doScan);
```



# ScanToPDF Dynacode Events

## Event Name

**bool EndOfBatch**

*Occurs when a batch of images has been acquired*

## Event Data

The event handler receives the following arguments

❖ **object[] filePaths**

## C# Event Declaration

```
bool EndOfBatch(object[] filePaths);
```

---

## Event Name

**bool StartOfSaveBatch**

*Occurs when the user presses Save and it is looping through potential documents (batch plugin)*

## Event Data

The event handler receives the following arguments

**None**

## C# Event Declaration

```
bool StartOfSaveBatch();
```

---

## Event Name

**bool ClearBatch**

*Occurs when the user presses the clear/abandon batch button*

## Event Data

The event handler receives the following arguments

❖ **System.Collections.ArrayList pagesToClear**

## C# Event Declaration

```
bool ClearBatch(System.Collections.ArrayList pagesToClear);
```

---



# ScanToPDF Dynacode Events

## Event Name

`void EndOfSaveBatch`

*Occurs when a batch of images has been saved (batch separation plug-in only)*

## Event Data

The event handler receives the following arguments

- ❖ `bool complete`
- ❖ `System.Collections.Hashtable metadata`

## C# Event Declaration

```
void EndOfSaveBatch(bool complete, System.Collections.Hashtable metaData);
```

---

## Event Name

`DialogResult ShowMetaDataDialog`

*Occurs when the Metadata Dialog box is shown*

## Event Data

The event handler receives the following arguments

- ❖ `IWin32Window owner`
- ❖ `ref System.Collections.Hashtable metadata`

## C# Event Declaration

```
DialogResult ShowMetaDataDialog(IWin32Window owner, ref System.Collections.Hashtable metaData);
```

---



# ScanToPDF Dynacode Events

## Event Name

**bool GetPDFPath**

*Occurs when ScanToPDF requests the filepath from the user*

## Event Data

The event handler receives the following arguments

- ❖ **out DialogResult dialogResult**
- ❖ **string saveFolder**
- ❖ **object[] images**
- ❖ **out string pdfFilePath**

## C# Event Declaration

```
bool GetPDFPath(out DialogResult dialogResult,string saveFolder,object[] images,out string pdfFilePath);
```

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