

GetPrintManagerErrorCode

```
int GetPrintManagerErrorCode();
```

Description

Returns an error code from the most recent function call.

Returns

- | | |
|---|--|
| 0 | No error |
| 1 | Unknown or general error |
| 2 | Invalid parameter |
| 3 | Cannot find specified print manager, invalid printManagerID |
| 4 | Cannot find specified print job, invalid jobID |
| 5 | Cannot initialize Foxit PDF SDK, invalid sn or key parameter |
| 6 | File not found |
| 7 | File open error |
| 8 | Incorrect password |
| 9 | Invalid printer name |

InitPrintManager

```
int InitPrintManager(string sn, string key);
```

Description

This function is used to initialize the print manager.

Parameters

- | | | |
|--------|-----|--------------------------------------|
| string | sn | The serial number for Foxit PDF SDK. |
| string | key | The license key for Foxit PDF SDK. |

Returns

- | | |
|---|-----------------------|
| 0 | Initialization failed |
| 1 | Success |

ReleasePrintManager

```
void ReleasePrintManager();
```

Description

This function is used to release the print manager.

SetRenderMode

```
int SetRenderMode(int renderMode);
```

Description

This function can be used to print the pages as bitmaps rather than as vector graphics and text.

Parameters

int renderMode The render mode to use:
 0=Vector and text (default)
 1=Render as bitmap

Returns

0 Render mode was set successfully
1 The renderMode parameter was out of range

GetPrinterCount

```
int GetPrinterCount();
```

Description

Returns the number of printers.

GetPrinterName

```
string GetPrinterName(int printerIndex);
```

Description

Returns the name of the printer with the specified index. The first printer has an index of 0, and the last printer has an index of one less than the value returned by the GetPrinterCount function.

Parameters

int printerIndex

GetPaperSizeCount

```
int GetPaperSizeCount(string printerName);
```

Description

Returns the number of paper sizes for the printer with the specified name.

Parameters

string printerName The name of the printer to query.

GetPaperSizeWidth

```
int GetPaperSizeWidth(string printerName, int paperIndex);
```

Description

Returns the width of the specified paper size for the printer with the specified name, in tenths of a millimeter.

Parameters

| | | |
|--------|-------------|--|
| string | printerName | The name of the printer to query. |
| int | paperIndex | The index of the paper type. The first paper type has an index of 0. |

GetPaperSizeHeight

```
int GetPaperSizeHeight(string printerName, int paperIndex);
```

Description

Returns the height of the specified paper size for the printer with the specified name, in tenths of a millimeter.

Parameters

| | | |
|--------|-------------|--|
| string | printerName | The name of the printer to query. |
| int | paperIndex | The index of the paper type. The first paper type has an index of 0. |

GetPaperSizeID

```
int GetPaperSizeID(string printerName, int paperIndex);
```

Description

Returns the ID of the specified paper size for the printer with the specified name. This ID can be used with the SetJobPaperSize function.

Parameters

| | | |
|--------|-------------|--|
| string | printerName | The name of the printer to query. |
| int | paperIndex | The index of the paper type. The first paper type has an index of 0. |

GetPaperSourceCount

```
int GetPaperSourceCount(string printerName);
```

Description

Returns the number of paper sources for the printer with the specified name.

Parameters

| | | |
|--------|-------------|-----------------------------------|
| string | printerName | The name of the printer to query. |
|--------|-------------|-----------------------------------|

GetPaperSourceName

```
string GetPaperSourceName(string printerName, int sourceIndex);
```

Description

Returns the name of the paper source with the specified index for the printer with the specified name.

Parameters

| | | |
|--------|-------------|--|
| string | printerName | The name of the printer to query. |
| int | sourceIndex | The index of the paper source. The first paper source has an index of 0. |

GetPaperSourceID

```
int GetPaperSourceID(string printerName, int sourceIndex);
```

Description

Returns the ID of the paper source with the specified index for the printer with the specified name. This ID can be used with the SetJobPaperSource function.

Parameters

| | | |
|--------|-------------|--|
| string | printerName | The name of the printer to query. |
| int | sourceIndex | The index of the paper source. The first paper source has an index of 0. |

GetDefaultPrinterName

```
string GetDefaultPrinterName();
```

Description

Returns the name of the default printer.

GetDefaultPaperSize

```
int GetDefaultPaperSize(string printerName);
```

Description

Returns the ID of the default paper size for the specified printer.

Parameters

| | | |
|--------|-------------|-----------------------------------|
| string | printerName | The name of the printer to query. |
|--------|-------------|-----------------------------------|

GetDefaultPaperSource

```
int GetDefaultPaperSource(string printerName);
```

Description

Returns the ID of the default paper source for the specified printer.

Parameters

string printerName The name of the printer to query.

PrintPDFFromFile

```
int PrintPDFFromFile(string pdfFileName, string pdfPassword);
```

Description

Use this function to quickly print a PDF from a file on disk to the default printer using the default settings.

Parameters

string pdfFileName The path and file name of the PDF file to print.

string pdfPassword The security password to open the specified file, if necessary.

Returns

- 0 File could not be printed
- 1 Success

PrintPDFFromMemory

```
int PrintPDFFromMemory(byte[] pdfData, string pdfPassword);
```

Description

Use this function to quickly print a PDF from a memory buffer to the default printer using the default settings. The data will be copied.

Parameters

byte[] pdfData A byte array containing the PDF file.

string pdfPassword The security password to open the specified file, if necessary.

Returns

- 0 File could not be printed
- 1 Success

PrintPDFFromFileToPrinter

```
int PrintPDFFromFileToPrinter(string pdfFileName, string pdfPassword,
    string printerName);
```

Description

Use this function to print a PDF from a file on disk to the specified printer using the default settings.

Parameters

| | |
|--------------------|---|
| string pdfFileName | The path and file name of the PDF file to print. |
| string pdfPassword | The security password to open the specified file, if necessary. |
| string printerName | The name of the printer that the file should be printed on. |

Returns

| | |
|---|---------------------------|
| 0 | File could not be printed |
| 1 | Success |

PrintPDFFromMemoryToPrinter

```
int PrintPDFFromMemoryToPrinter(byte[] pdfData, string pdfPassword,
    string printerName);
```

Description

Use this function to print a PDF from a memory buffer to the specified printer using the default settings. The data will be copied.

Parameters

| | |
|--------------------|---|
| byte[] pdfData | A byte array containing the PDF file. |
| string pdfPassword | The security password to open the specified file, if necessary. |
| string printerName | The name of the printer that the file should be printed on. |

Returns

| | |
|---|---------------------------|
| 0 | File could not be printed |
| 1 | Success |

NewPrintJob

```
int NewPrintJob();
```

Description

Use this function to create a new print job. The value returned can be used as a jobID parameter for the following functions.

AddPDFFromFileToJob

```
int AddPDFFromFileToJob(int jobID, string pdfFileName, string pdfPassword);
```

Description

Use this function to add a PDF from a file on disk to the specified print job.

Parameters

| | | |
|--------|-------------|---|
| int | jobID | A value returned from the NewPrintJob function. |
| string | pdfFileName | The path and file name of the PDF file to add. |
| string | pdfPassword | The security password to open the specified file, if necessary. |

Returns

| | |
|---|-------------------------|
| 0 | File could not be added |
| 1 | Success |

AddPDFFromMemoryToJob

```
int AddPDFFromMemoryToJob(int jobID, byte[] pdfData, string pdfPassword);
```

Description

Use this function to add a PDF from a memory buffer to the specified print job. The data will be copied.

Parameters

| | | |
|--------|-------------|---|
| int | jobID | A value returned from the NewPrintJob function. |
| byte[] | pdfData | A byte array containing the PDF file. |
| string | pdfPassword | The security password to open the specified file, if necessary. |

Returns

| | |
|---|-------------------------|
| 0 | File could not be added |
| 1 | Success |

BeginPrintJob

```
int BeginPrintJob(int jobID);
```

Description

Use this function to start printing the specified print job.

Parameters

| | | |
|-----|-------|--|
| int | jobID | A value returned from the NewPrintJob function. |
|-----|-------|--|

Returns

| | |
|---|--------------------------------|
| 0 | Print job could not be started |
| 1 | Success |

CancelPrintJob

```
int CancelPrintJob(int jobID);
```

Description

Use this function to cancel the specified print job.

Parameters

int jobID A value returned from the **NewPrintJob** function.

Returns

- | | |
|---|----------------------------------|
| 0 | Print job could not be cancelled |
| 1 | Success |

GetPrintJobStatus

```
int GetPrintJobStatus(int jobID);
```

Description

Returns the status of the specified print job.

Parameters

int jobID A value returned from the **NewPrintJob** function.

Returns

- | | |
|------|--|
| 1000 | Job has started |
| 1001 | Job has been cancelled |
| 1002 | Job has completed |
| 1003 | Job is paused |
| 1004 | There is a printing error |
| 1005 | Unknown job status |
| 1006 | Failed to query job status |
| 1007 | Printer Paper out |
| 1008 | Failed to query printer status |
| 2xxx | Printing is in progress, with the percent complete. For example, code 2025 indicates 25% complete. Code 2100 indicates 100% complete. (Note: This function requires the printer to support obtaining the number of printed pages.) |

ClosePrintJob

```
int ClosePrintJob(int jobID);
```

Description

Use this function to delete the specified print job.

Parameters

int jobID A value returned from the **NewPrintJob** function.

Returns

- 0 Print job could not be cancelled
- 1 Success

SetJobCopies

```
int SetJobCopies(int jobID, int newCopies);
```

Description

Sets the number of copies for the specified print job.

If not set, the printer driver's current print setting will be used as default.

Parameters

- int jobID A value returned from the **NewPrintJob** function.
- int newCopies The number of copies of the document that will be printed.

Returns

- 0 The number of copies for the job could not be set, copies must be greater than or equal to 1
- 1 Success

SetJobColor

```
int SetJobColor(int jobID, int newColorMode);
```

Description

Sets the color mode of the specified print job. Option 1 and 2 set the color option in the printer driver. Option 3 sets the renderer to render the pages as grayscale independently to the printer driver.

If not set, the printer driver's current print setting will be used as default.

Parameters

- int jobID A value returned from the **NewPrintJob** function.
- int newColorMode The color mode to use:
 1=Monochrome
 2=Color
 3=Render grayscale

Returns

- 0 The color mode for the job could not be set
- 1 Success

SetJobDuplex

```
int SetJobDuplex(int jobID, int newDuplex);
```

Description

Sets the page duplexing mode of the specified print job.

If not set, the printer driver's current print setting will be used as default.

Parameters

| | |
|---------------|--|
| int jobID | A value returned from the NewPrintJob function. |
| int newDuplex | The duplex mode to use: 1=Simplex 2=Duplex vertical 3=Duplex horizontal |

Returns

| | |
|---|------------------------------|
| 0 | Duplex mode could not be set |
| 1 | Success |

SetJobRotation

```
int SetJobRotation(int jobID, int newRotation);
```

Description

Sets the page rotation mode of the specified print job.

If not set, the default value 0 will be used as default.

Parameters

| | |
|-----------------|---|
| int jobID | A value returned from the NewPrintJob function. |
| int newRotation | The page rotation: 0=Auto 1=Portrait 2=Landscape |

SetJobScaling

```
int SetJobScaling(int jobID, int newScaling);
```

Description

Sets the scaling mode of the specified print job.

If not set, the default value 0 will be used as default.

Parameters

| | | |
|-----|------------|--|
| int | jobID | A value returned from the NewPrintJob function. |
| int | newScaling | The page scaling 0=Fit 1=Shrink oversized pages 2=Actual size 3=Custom scale |

Returns

| | |
|---|-------------------------------|
| 0 | Scaling mode could not be set |
| 1 | Success |

SetJobCustomScale

```
int SetJobCustomScale(int jobID, double newCustomScalePercent);
```

Description

Sets the custom scale percent of the specified print job. The scaling should be set to "3=Custom scale" using the SetJobScaling function for a value set with this function to have an effect.

If not set, the default value 100.0 will be used as default.

Parameters

| | | |
|--------|-----------------------|---|
| int | jobID | A value returned from the NewPrintJob function. |
| double | newCustomScalePercent | The percentage scale to use. For example, 50.0 means 50%. |

Returns

| | |
|---|--|
| 0 | Custom scale could not be set, must be greater than zero |
| 1 | Success |

SetJobPaperSource

```
int SetJobPaperSource(int jobID, int newPaperSourceID);
```

Description

Sets the paper source of the specified print job.

If not set, the printer driver's current print setting will be used as default.

Parameters

| | |
|----------------------|--|
| int jobID | A value returned from the NewPrintJob function. |
| int newPaperSourceID | The paper source to use for printing. Use the GetPaperSourceID function to get an appropriate value. |

Returns

| | |
|---|-------------------------------|
| 0 | Paper source could not be set |
| 1 | Success |

SetJobPaperSize

```
int SetJobPaperSize(int jobID, int newPaperSizeID);
```

Description

Sets the paper size to use for the specified print job.

If not set, the printer driver's current print setting will be used as default.

Parameters

| | |
|--------------------|---|
| int jobID | A value returned from the NewPrintJob function. |
| int newPaperSizeID | The paper size to use for printing. Use the GetPaperSizeID function to get an appropriate value or use -1 for automatic paper size selection based on the size of the pages in the PDF. |

Returns

| | |
|---|-----------------------------|
| 0 | Paper size could not be set |
| 1 | Success |

SetJobPageList

```
int SetJobPageList(int jobID, int documentIndex, string pageList);
```

Description

Sets the page range list of the specified print job. If not set, all pages of the document will be used to print.

Parameters

| | | |
|--------|---------------|---|
| int | jobID | A value returned from the NewPrintJob function. |
| int | documentIndex | The index of the document to set the page list for. The first document has an index of 0. |
| string | pageList | The list of pages to print, for example "1,2-5,7". |

Returns

- 0 Page list could not be set
- 1 Success

SetJobPriority

```
int SetJobPriority(int jobID, int newPriority);
```

Description

Sets the priority of the specified print job.

If not set, the printer driver's current print setting will be used as default.

Parameters

| | | |
|-----|-------------|--|
| int | jobID | A value returned from the NewPrintJob function. |
| int | newPriority | The priority of the print job. 1 is lowest, 99 is highest. |

Returns

- 0 Priority could not be set, must be between 1 and 99
- 1 Success

SetJobQuality

```
int SetJobQuality(int jobID, int newQuality);
```

Description

Sets the print quality of the specified print job. Specifies the printer driver resolution. There are four predefined device-independent values. If not set, the printer driver's current print setting will be used as default.

Parameters

| | |
|----------------|--|
| int jobID | A value returned from the NewPrintJob function. |
| int newQuality | The quality to use for the print job. -1=Draft -2=Fast -3=Standard -4=High |

Returns

| | |
|---|------------------------------|
| 0 | Job quality could not be set |
| 1 | Success |

SetJobDocumentName

```
int SetJobDocumentName(int jobID, string newDocumentName);
```

Description

Sets the document name that is displayed in the printer queue for the specified print job. If not set, the default string "Foxit Print Manager document" will be used as default.

Parameters

| | |
|------------------------|--|
| int jobID | A value returned from the NewPrintJob function. |
| string newDocumentName | The name for the print job to show in the print spooler. |

Returns

| | |
|---|--------------------------------|
| 0 | Document name could not be set |
| 1 | Success |

SetJobCollate

```
int SetJobCollate(int jobID, int newCollate);
```

Description

Sets the collation mode of the specified print job.

If not set, the printer driver's current print setting will be used as default.

Parameters

| | |
|----------------|--|
| int jobID | A value returned from the NewPrintJob function. |
| int newCollate | The collation setting to use for the print job: 0=No collation 1=Collate pages |

Returns

| | |
|---|--------------------------------------|
| 0 | Job collate setting could not be set |
| 1 | Success |

SetJobPrinter

```
int SetJobPrinter(int jobID, string printerName);
```

Description

Sets the printer to use for the specified print job.

If not set, an empty string will be used as default.

Parameters

| | |
|--------------------|---|
| int jobID | A value returned from the NewPrintJob function. |
| string printerName | The name of the printer that this print job should be printed to. |

Returns

| | |
|---|------------------------------|
| 0 | Job printer could not be set |
| 1 | Success |

GetJobCopies

```
int GetJobCopies(int jobID);
```

Description

Returns the copies setting of the specified print job.

Parameters

| | |
|-----------|--|
| int jobID | A value returned from the NewPrintJob function. |
|-----------|--|

GetJobColor

```
int GetJobColor(int jobID);
```

Description

Returns the color mode of the specified print job.

Parameters

int jobID A value returned from the **NewPrintJob** function.

Returns

- 1 Mono
- 2 Color
- 3 Render grayscale

GetJobDuplex

```
int GetJobDuplex(int jobID);
```

Description

Returns the duplex mode of the specified print job.

Parameters

int jobID A value returned from the **NewPrintJob** function.

Returns

- 1 Simplex
- 2 Duplex vertical
- 3 Duplex horizontal

GetJobRotation

```
int GetJobRotation(int jobID);
```

Description

Returns the page rotation mode of the specified print job.

Parameters

int jobID A value returned from the **NewPrintJob** function.

Returns

- 0 Auto
- 1 Portrait
- 2 Landscape

GetJobScaling

```
int GetJobScaling(int jobID);
```

Description

Returns the scaling mode of the specified print job.

Parameters

int jobID A value returned from the **NewPrintJob** function.

GetJobCustomScale

```
double GetJobCustomScale(int jobID);
```

Description

Returns the custom scale percentage of the specified print job.

Parameters

int jobID A value returned from the **NewPrintJob** function.

Returns

- | | |
|---|--|
| 0 | Fit |
| 1 | Shrink oversized pages |
| 2 | Actual size |
| 3 | Custom scale, use GetJobCustomScale to get the current value |

GetJobPaperSource

```
int GetJobPaperSource(int jobID);
```

Description

Returns the paper source ID of the specified print job.

Parameters

int jobID A value returned from the **NewPrintJob** function.

GetJobPaperSize

```
int GetJobPaperSize(int jobID);
```

Description

Returns the paper size ID of the specified print job.

Parameters

int jobID A value returned from the **NewPrintJob** function.

GetJobPageListCount

```
int GetJobPageListCount(int jobID, int documentIndex);
```

Description

Returns the number of pages in the page list for the specified print job.

Parameters

| | |
|-------------------|---|
| int jobID | A value returned from the NewPrintJob function. |
| int documentIndex | The index of the document to get the page list count for. The first document has an index of 0. |

GetJobPageListItem

```
int GetJobPageListItem(int jobID, int documentIndex, int itemIndex);
```

Description

Returns the page number with the specified index of the specified print job.

Parameters

| | |
|-------------------|--|
| int jobID | A value returned from the NewPrintJob function. |
| int documentIndex | The index of the document to get the page list item for. The first document has an index of 0. |
| int itemIndex | The index of the item to set the page list for. The first item has an index of 0. |

GetJobPriority

```
int GetJobPriority(int jobID);
```

Description

Returns the priority of the specified print job.

Parameters

| | |
|-----------|--|
| int jobID | A value returned from the NewPrintJob function. |
|-----------|--|

GetJobQuality

```
int GetJobQuality(int jobID);
```

Description

Returns the quality of the specified print job.

Parameters

| | |
|-----------|--|
| int jobID | A value returned from the NewPrintJob function. |
|-----------|--|

GetJobDocumentName

```
string GetJobDocumentName(int jobID);
```

Description

Returns the document name of the specified print job.

Parameters

int jobID A value returned from the **NewPrintJob** function.

GetJobCollate

```
int GetJobCollate(int jobID);
```

Description

Returns the collation setting of the specified print job.

Parameters

int jobID A value returned from the **NewPrintJob** function.

GetJobPrinter

```
string GetJobPrinter(int jobID);
```

Description

Returns the name of the printer of the specified print job.

Parameters

int jobID A value returned from the **NewPrintJob** function.

SetJobAutoCenter

```
int SetJobAutoCenter(int jobID, int isAutoCenter);
```

Description

Sets auto-center mode of the specified print job. Auto-center means placing the PDF pages in the center. If not set, not auto-center mode will be used as default.

Parameters

| | |
|------------------|--|
| int jobID | A value returned from the NewPrintJob function. |
| int isAutoCenter | The auto-center mode of the specified print job. 0=not auto-center 1=auto-center |

Returns

| | |
|---|-----------------------------------|
| 0 | Auto-center mode could not be set |
| 1 | Success |

IsJobAutoCenter

```
int IsJobAutoCenter(int jobID);
```

Description

Checks auto-center mode of the specified print job.

Parameters

int jobID A value returned from the **NewPrintJob** function.

Returns

- 0 Not auto-center
- 1 Auto-center

SetJobPrintUnitType

```
int SetJobPrintUnitType(int jobID, int unitType);
```

Description

Sets the unit type for the margin of print.

Parameters

int jobID A value returned from the **NewPrintJob** function.

int unitType The margin of print unit type. The default value is 0.
0=Inch
1=Centimeter
2=Millimeter

Returns

- 0 The margin of print unit type setting failed.
- 1 Success

GetJobPrintUnitType

```
int GetJobPrintUnitType(int jobID);
```

Description

Gets the margin of print unit type.

Parameters

int jobID A value returned from the **NewPrintJob** function.

Returns

- 0 Inch
- 1 Centimeter
- 2 Millimeter

SetJobLeftMargin

```
int SetJobLeftMargin(int jobID, double leftMargin);
```

Description

Sets the left margin for the print page. (Note: The left margin must not exceed half of the paper's width.)

Parameters

| | | |
|--------|------------|---|
| int | jobID | A value returned from the NewPrintJob function. |
| double | leftMargin | The left margin value in the specified unit (inches, centimeters, or millimeters) which is set by the SetPrintUnitType interface. |

GetJobLeftMargin

```
double GetJobLeftMargin(int jobID);
```

Description

Returns the left margin of the print page in the specified unit (inches, centimeters, or millimeters) which is set by the SetPrintUnitType interface.

Parameters

| | | |
|-----|-------|--|
| int | jobID | A value returned from the NewPrintJob function. |
|-----|-------|--|

SetJobRightMargin

```
int SetJobRightMargin(int jobID, double rightMargin);
```

Description

Sets the right margin for the print page. (Note: The right margin must not exceed half of the paper's width.)

Parameters

| | | |
|--------|-------------|--|
| int | jobID | A value returned from the NewPrintJob function. |
| double | rightMargin | The right margin value in the specified unit (inches, centimeters, or millimeters) which is set by the SetPrintUnitType interface. |

GetJobRightMargin

```
double GetJobRightMargin(int jobID);
```

Description

Returns the right margin of the print page in the specified unit (inches, centimeters, or millimeters) which is set by the SetPrintUnitType interface.

Parameters

| | | |
|-----|-------|--|
| int | jobID | A value returned from the NewPrintJob function. |
|-----|-------|--|

SetJobTopMargin

```
int SetJobTopMargin(int jobID, double topMargin);
```

Description

Sets the top margin for the print page. (Note: The top margin must not exceed half of the paper's height)

Parameters

| | | |
|--------|-----------|--|
| int | jobID | A value returned from the NewPrintJob function. |
| double | topMargin | The top margin value in the specified unit (inches, centimeters, or millimeters) which is set by the SetPrintUnitType interface. |

GetJobTopMargin

```
double GetTopMargin(int jobID);
```

Description

Returns the top margin of the print page in the specified unit (inches, centimeters, or millimeters) which is set by the SetPrintUnitType interface.

Parameters

| | | |
|-----|-------|--|
| int | jobID | A value returned from the NewPrintJob function. |
|-----|-------|--|

SetJobBottomMargin

```
int SetJobBottomMargin(int jobID, double bottomMargin);
```

Description

Sets the bottom margin for the print page. (Note: The bottom margin must not exceed half of the paper's height)

Parameters

| | | |
|--------|--------------|---|
| int | jobID | A value returned from the NewPrintJob function. |
| double | bottomMargin | The bottom margin value in the specified unit (inches, centimeters, or millimeters) which is set by the SetPrintUnitType interface. |

GetBottomMargin

```
double GetBottomMargin(int jobID);
```

Description

Returns the bottom margin of the print page in the specified unit (inches, centimeters, or millimeters) which is set by the SetPrintUnitType interface.

Parameters

| | | |
|-----|-------|--|
| int | jobID | A value returned from the NewPrintJob function. |
|-----|-------|--|