

PDF N MORE for .NET Version 1.0

User' s Manual



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1. Overview

Digital document business is interestingly evolving as companies are forced to re-examine output business processes, exposing inefficiencies from outdated thinking and products. Every organization and every individual realize the high cost of printers, huge volumes of wasted paper and recurring cost of printing ink. Yet we see mounting stacks of wasted paper around every printer in every office. Electronic publishing tools are becoming available to more people than ever before. People can now create digital documents quickly and easily.

People need ways to share information without having to print it on paper. Publishing electronic documents on a network can achieve this objective. However, not all electronic documents can be published easily. Some electronic documents need special software on the client computer to decipher the information stored inside it. Installing necessary software on every client computer becomes economically unviable. However, Adobe' s Acrobat Reader software and Web Browser software are freely available. People can easily share information among client computers if the information is in PDF or HTML format. Portable Document Format (PDF) is a universal file format that preserves all of the fonts, formatting, colors, and graphics of any source document. The Hypertext Markup Language (HTML) is a simple markup language used to create hypertext documents that are platform independent and can be viewed using any Web Browser.

Microsoft Word and Excel are very popular word processing and spreadsheet applications. Sharing information in Word Format (Doc) allows content authoring and editing. Excel Sheets (XLS) are useful while performing mathematical calculations.

The information age has seen an explosion of information. People need intelligent tools to assimilate, represent and share this information and to move one step closer to a paperless world.

2. Introduction

PDF N MORE for .NET is a .NET library for generating digital documents on the fly from any .NET application. You can use PDF N MORE to create virtually any document in Adobe Portable Document Format (PDF), Extensible Markup Language(XML), Hypertext Markup Language (HTML), Microsoft Word Format (Doc), Microsoft Excel Format (XLS), BMP, JPEG, PNG, GIF, TIFF, EMF, WMF or Exif, complete with fonts and graphics. Other users can view your work on Microsoft® Windows, Mac® OS, LINUX, and UNIX® platforms.

PDF N MORE for .NET does not require any additional software other than the .NET runtime. PDF N MORE for .NET follows the GDI+ model, thus reducing the learning time and increasing productivity. PDF N MORE for .NET can be used both from WinForms and WebForms (ASP.NET) applications without any restrictions.

Adobe Portable Document Format (PDF) is a universal file format that preserves all the text, fonts, formatting, colors, and graphics of any source document, regardless of the computer system and application used to create it. PDF files are compact and can be shared, viewed, and printed exactly as the author intended. PDF files can be opened with free Adobe Acrobat Reader. PDF documents can contain multiple languages, such as Chinese and English, on the same page. PDF documents can be printed predictably with proper margins and page breaks. PDF files can be secured with passwords to lock against undesired changes or printing, or to restrict access to confidential documents. PDF files can be magnified without losing visual accuracy using controls provided by

Adobe Acrobat Reader. This feature can be especially useful for zooming in on images or diagrams containing intricate details.

Extensible Markup Language (XML) is a markup language that describes data preserving all the formatting, colors and graphics of the data. You can retrieve the data from the XML file and create digital documents in any of the supported formats.

The Hypertext Markup Language (HTML) is a markup language file format that preserves all the formatting, colors, and graphics of any source document, regardless of the application used to create it. HTML files can be shared, viewed, navigated by anyone with a Web Browser.

Using PDF N MORE you can now give Save As option in your application to create digital documents in PDF, XML, HTML, Doc, Excel, BMP, JPEG, PNG, GIF, TIFF, EMF, EMF or Exif format.

3. Installation

IMPORTANT - before you proceed with this installation:

1. Download the latest version of PDF N MORE from www.rarefind.com
2. Un-Install any previous version of PDF N MORE.
3. Close all development tools before installing PDF N MORE.

After you have downloaded the executable file (Setup program), Invoke the Setup program. The Setup program automatically installs PDF N MORE on your system.

4. Un-Installation

Follow the steps below to Un-install PDF N MORE from your System.

1. Close all Applications using PDF N MORE.
2. Double click the setup file and select ' Remove PDF N MORE for .NET' .
3. This shall completely remove PDF N MORE for .NET from your system.

OR

1. Close all Applications using PDF N MORE.
2. Go to Control Panel from the Start menu.
3. Open 'Add/Remove Programs'.
4. Select "PDF N MORE for .NET" and click ' Remove' .
5. This shall completely remove PDF N MORE for .NET from your system.

5. Installing PDF N MORE as .NET component

Use the steps below to install PDF N MORE as a component in VisualStudio.NET.

1. Open the ToolBox window by selecting "View | Toolbox"
2. Right Click in the Toolbox window and select "Customize Toolbox..." to show the Customize Toolbox Window.
3. In the Customize Toolbox Window select .NET Framework components tab.
4. Click on the Browse button and select RareFind.DigitalDocumentCreation.dll from <PDF N MORE for .NET>\Bin folder where <PDF N MORE for .NET> indicates the folder where you have installed this product.
5. Click OK to successfully install the product as a .NET component. The Graphics component then appears in the Toolbox window selected.

6. How to use PDF N MORE as a component?

Install PDF N MORE for .NET as a .NET component. After successful installation a new component "Graphics" will appear in Toolbox. You can drop this component in your application and create digital documents. Using the Properties window you can set all the properties of component.

Sample Code:

Note: For class library reference please refer to Help.

Here is the classical "Hello world" example:

- Drop a Graphics component on to a form. By default the name of the component is Graphics1.
- Use the following code to create a PDF document with the text "Hello World".

```
// Select output document format. You can set this at Design time also.
Graphics1.SelectedFormat = DocumentFormats.PDF;
// Start the document creation by using the BeginDoc method.
Graphics1.BeginDoc();
// Start a new page by using the BeginPage method.
Graphics1.BeginPage();
// Draw "Hello World" string on to the page.
Graphics1.DrawString("Hello World", new Font("Arial", 12),
    new SolidBrush(Color.Black), 100, 100);
// Specify the end of a Page by using the EndPage method.
Graphics1.EndPage();
// Specify the end of the Document by using the EndDoc method.
Graphics1.EndDoc();
```

7. How to use PDF N MORE as a library?

You can create digital documents using PDF N MORE as a library (without installing it as a component in the IDE). In this case you have to set all the properties programmatically. Use the code below to create digital documents using PDF N MORE.

Sample Code:

Note: For class library reference please refer to Help.

Here is the classical "Hello world" example:

- Add RareFind.DigitalDocumentCreation namespace in the using section.
- Use the following code to create a PDF document with the text "Hello World".

```
// Create a RareFind.DigitalDocumentCreation.Graphics object.
// Specify the Document Format and document File name.
Graphics Graphics1 = new Graphics(DocumentFormats.PDF,
    "C:\\My Documents\\Sample.pdf");
// Set all the properties of Graphics1 here. You can also set the
    properties using the Properties Dialog
// Start the document creation by using the BeginDoc method.
Graphics1.BeginDoc();
// Start a new page by using the BeginPage method.
Graphics1.BeginPage();
// Draw "Hello World" string on to the page.
Graphics1.DrawString("Hello World", new Font("Arial", 12), new
    SolidBrush(Color.Black), 100, 100);
// Specify the end of a Page by using the EndPage method.
Graphics1.EndPage();
// Specify the end of the Document by using the EndDoc method.
Graphics1.EndDoc();
```

8. Save to Stream!

Create digital documents using PDF N MORE and stream the output into a Stream. Use the code below when you need to export reports programmatically and get the output in a Stream object.

Sample Code:

Note: For class library reference please refer to Help.

Here is the classical "Hello world" example:

- Add RareFind.DigitalDocumentCreation namespace in the using section.
- Use the following code to create a PDF document with the text "Hello World" and Stream it to MemoryStream.

```
// Create a MemoryStream object to store the PDF document.
System.IO.MemoryStream stream = new System.IO.MemoryStream();
// Create a RareFind.DigitalDocumentCreation.Graphics object.
Graphics Graphics1 = new Graphics();
// Select the output document format.
Graphics1.SelectedFormat = DocumentFormats.PDF;
// Set OutputToStream property to true to stream output to UserStream.
Graphics1.OutputToStream = true;
// Specify the user stream.
Graphics1.UserStream = stream;
// Start the document creation by using the BeginDoc method.
Graphics1.BeginDoc();
// Start a new page by using the BeginPage method.
Graphics1.BeginPage();
// Draw "Hello World" string on to the page.
Graphics1.DrawString("Hello World", new Font("Arial", 12), new
    SolidBrush(Color.Black), 100, 100);
// Specify the end of a Page by using the EndPage method.
Graphics1.EndPage();
// Specify the end of the Document by using the EndDoc method.
Graphics1.EndDoc();
```

9. Non commercial use

This product is free for non commercial use or benefit only. You may not use the software for any commercial, business, governmental or institutional purpose of any kind. If you desire to use the product for commercial purposes you need to buy and register the product.

Please read the License Agreement for more information.

10. How to buy the product?

The free version of PDF N MORE for .NET is only for non commercial use. For the use of any commercial purpose you need to buy and register the product.

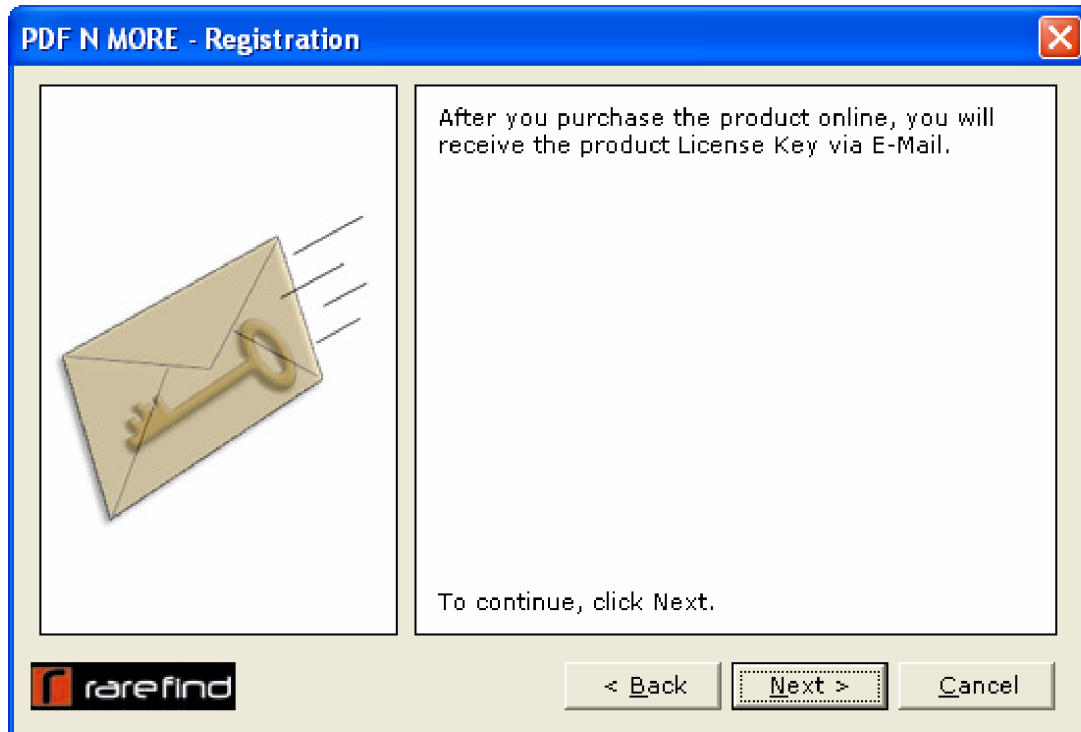
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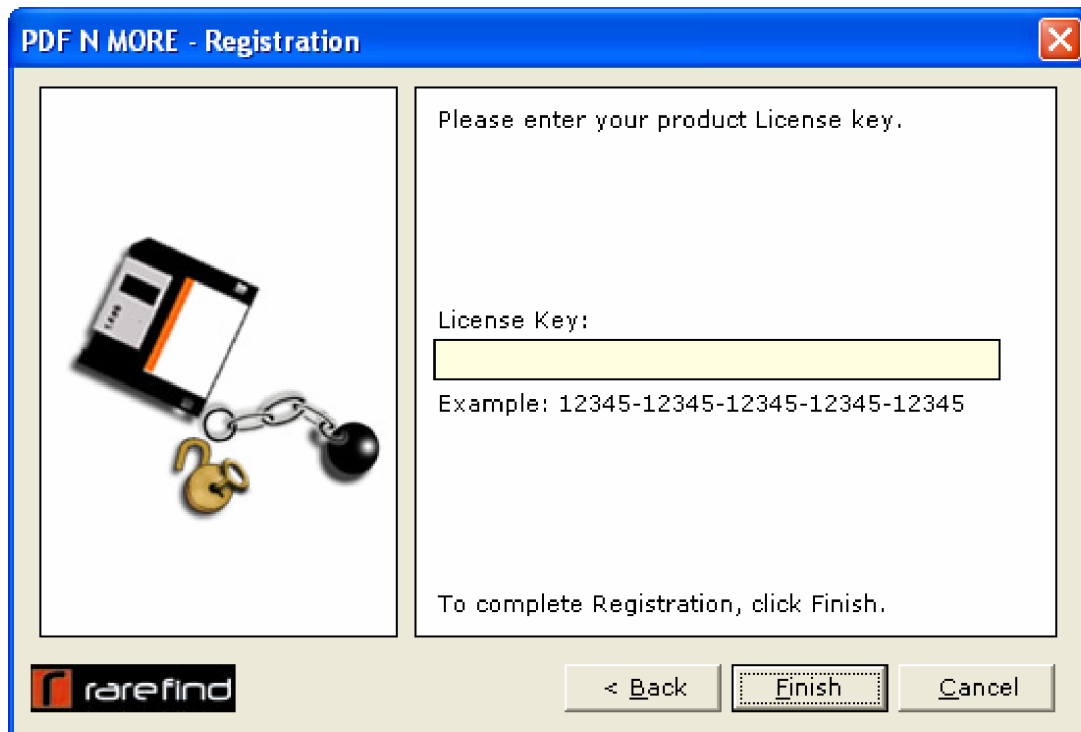
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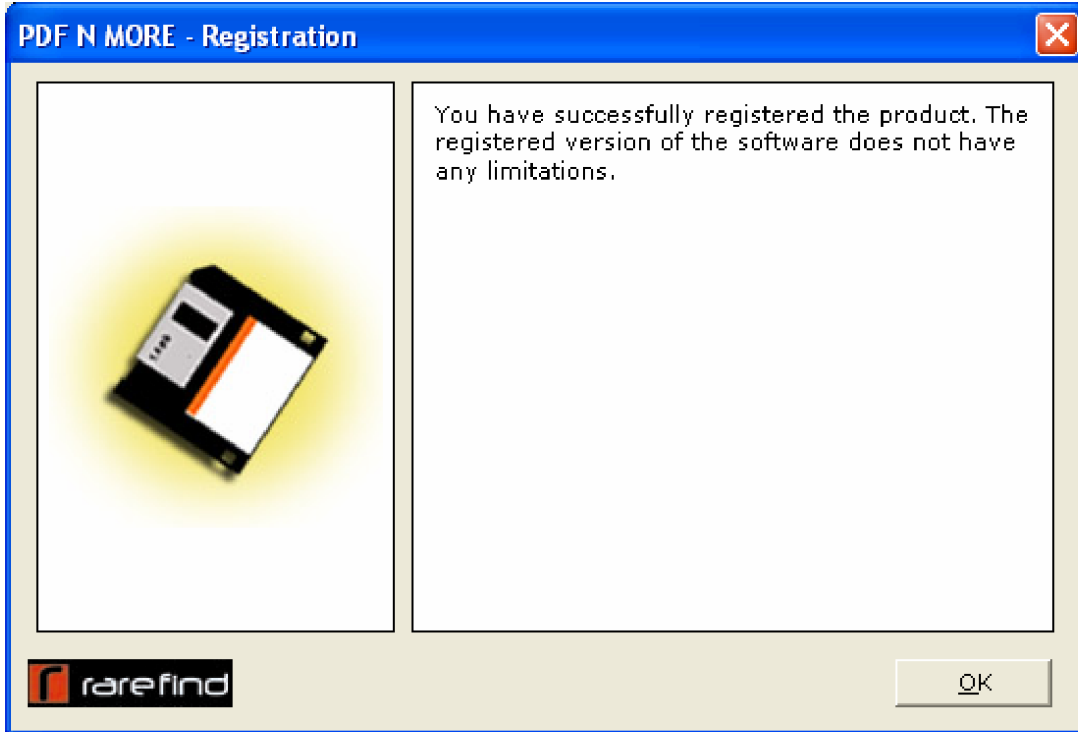
3. Receive Product License Key via E-Mail.



4. Enter the Product License Key and click Finish to complete Registration.



5. You have successfully "Registered" the product.



11. Using LicenseKey property

On purchase of the product you receive a License key via E-Mail. With the license key, you can unlock the evaluation version of the product into a full working product. Follow the steps below to enter the license key.

1. **RareFind.DigitalDocumentCreation.Graphics** class exposes a **LicenseKey** property. Associate your License Key with this property.

Sample Code:

- Add RareFind.DigitalDocumentCreation namespace in the using section.

```
...  
Graphics Graphics1 = new Graphics();  
// Associate your License Key with the LicenseKey property.  
Graphics1.LicenseKey = "12345-12345-12345-12345-12345";
```

```
...  
In this sample, replace "12345-12345-12345-12345-12345" with your  
License Key.
```

2. The product shall now operate in registered mode. Pop up messages shall stop appearing.

12. Limitations

PDF N MORE for .NET currently has the following known limitations.

1. Excel documents support only English (ANSI) characters. Multi-byte and Unicode characters are not supported.

Please visit <http://www.rarefind.com> for upgrades and latest information about the product.