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## 1. About PDFNet SDK

PDFNet SDK is a high-quality, industry-strength PDF library meeting requirements of the most demanding and diverse applications. Using PDFNet SDK you can write stand-alone, cross-platform, and reliable commercial applications that can read, write, create, edit, print, convert, and display PDF documents. PDFNet SDK is available as a .NET component, and as a cross-platform C/C++ library with Java, PHP, Ruby, Python and Objective-C interfaces, available on a wide range of platforms such as Windows, WinRT, Windows Mobile, Linux, Solaris, Mac OS X, iOS, Android, etc. For more information, please visit us at [www.pdftron.com](http://www.pdftron.com).

### 1.1 SDK Overview

- **Lib** - Folder containing PDFNet libraries/components.
- **CosEdit** - An evaluation version of CosEdit, a stand-alone, low-level PDF editor. Using the evaluation version the users can inspect the low-level structure and contents of PDF documents.
- **Doc** - A folder containing PDFNet API Reference Manual (as JavaDoc, C/C++ Reference, WinHelp, etc).
- **Samples** - Folder containing PDFNet sample projects.
- **legal.txt** - Legal and copyright information.
- **license.pdf** - CPU license agreement and warranty for this product.
- **gettingstarted.pdf** - This file.
- **whatsnew.html** - Document describing the latest changes and additions to PDFNet SDK.

## 2. Choosing the Correct PDFNet library

The PDFNet SDK comes in a variety of versions to best suit your needs. For example, if you are working in a windows environment we provide .Net 2 and .Net 4 (with WPF) libraries, that allow you to develop in VB or C#. If you are developing a Unix or OSX platform, or need to support multiple platforms, we provide a native C/C++ version, that also works with Java, PHP, Python, Ruby and Objective-C interfaces.

For the latest available libraries please see <http://www.pdftron.com/pdfnet/downloads.html>.



11. Export PDF to image.

```
PDFDraw draw;
draw.Export(doc.GetPage(1), image_filepath);
```

12. Wrap everything in try / catch block.

13. Add PDFNetException catch.

```
catch(pdftron::Common::Exception& ex)
{
    std::cout << ex.GetMessage() << std::endl;
}
```

14. Run program, where the first command line argument is a PDF file, and the second is the name of the image. The PDFDraw function will automatically match the image format to that of the file name extension provided by the user. For example, "*app.exe input.pdf output.jpg*" will result in the first page of input.pdf being converted to a JPEG file.

### 3.1.1 Common Questions

[Where should I call the PDFNet.Initialize\(\)?](#)

[A question regarding PDFNet.Initialize\(\) and Terminate\(\).](#)

**Error:** error LNK2019: unresolved external symbol \_\_imp\_\_TRN\_PDFNetInitialize.

**Solution:** You probably have mixed up the 32bit and 64bit versions of PDFNetC. Make sure that the DLL architecture matches the project platform setting.

**Error:** The evaluation version encountered an error in your system configuration. Please contact customer support at: sup...@pdftron.com. No reg. write rights

**Solution:** See *Questions* in the *Demo/Trial Period Prerequisite* section below.

**Error:** The application was unable to start correctly.

**Solution:** Same as above, but at runtime you have the wrong PDFNetC.dll being loaded.

## 3.2 Deploying Your Application

Now that your new project is ready for others to use, it is time to distribute it.

### 3.2.1 Dependencies

Our PDFNetC libraries are self-contained and have no external dependencies.

## 3.3 Finished!

Congratulations, you are now ready to deploy the project to your target/customer computers.



The PDFNetC library can also be accessed from alternative languages, such as Java, PHP, Ruby, Python, and Objective-C.

Be sure to check out the *libinfo.txt* file in the PDFNetC\Lib folder as it shows what are the minimum version numbers of each language that are required to work with PDFNetC. Note that all the language bindings still need access to PDFNetC.dll to work.

The PDFNetC library you download must match the Java JRE architecture (32 or 64 bit). See the following post for more detail.

Furthermore the PDFNetC.dll still needs to be available for the PDFNet.jar to access.

Before trying PHP be sure to read the additional PHP documentation in the PDFNetC/Samples folder.

Read the libinfo.txt file PDFNetC.dll for important information when using Python 2.

There are some particular issues to consider when running your application in a server environment. Below are some of the most common situations.

If you get a "BadImageFormatException, incorrect format" error, while trying to use the Web Server that comes with Visual Studio, this is because VS Web Server is 32bit only and cannot be used with any 64bit libraries. Please see this forum posting for solutions.

You may also encounter `BadImageFormatException`, incorrect format, exceptions when using PDFNet on IIS. One possible cause can be that you need to match the IIS 'Enable 32-bit application' setting to which version of PDFNet (32 or 64 bit) that you are using. Finally be aware that different versions of IIS default to different versions of the .Net framework, so you also need to match that with the version of PDFNet you are using (.Net 2 or 4). For more info see: [https://groups.google.com/forum/?fromgroups#!searchin/pdfnet-sdk/iis\\$20default\\$2032/pdfnet-sdk/KjFgCY9oNPM/A6rG6IIWR4UJ](https://groups.google.com/forum/?fromgroups#!searchin/pdfnet-sdk/iis$20default$2032/pdfnet-sdk/KjFgCY9oNPM/A6rG6IIWR4UJ)

### 4.3.3 File Conversions in Windows Service or ASP.Net

The following online article contains lots of important information regarding converting files to and from PDF in a server environment. This document also covers MS Office Interop and virtual printer related issues.

[http://www.pdftron.com/pdfnet/faq\\_files/Converting\\_Documents\\_in\\_Windows\\_Service\\_or\\_ASP.NET\\_Application\\_using\\_PDFNet.pdf](http://www.pdftron.com/pdfnet/faq_files/Converting_Documents_in_Windows_Service_or_ASP.NET_Application_using_PDFNet.pdf)

## 4.4 Adding Features

When you decide to add new features, be sure to start by checking out the relevant Sample project: <http://www.pdftron.com/pdfnet/samplecode.html>

After that, please check out our forums for additional information not covered in the samples. <https://groups.google.com/forum/#!forum/pdfnet-sdk>

## 4.5 Getting a Production License

Now that you've built your application, and tested it in a deployment environment, you might be ready to purchase a license. Please take a look at the following links for steps required to obtain the production license.

Options: <http://www.pdftron.com/store/licensing.html>

FAQ : <http://www.pdftron.com/store/faq.html>

Store: <http://www.pdftron.com/store/index.php>

### 4.5.1 Using the License

Once you purchase a license, you will receive a license key that you can use to initialize PDFNet in your application code.

```
PDFNet::Initialize("MyCompany:OEM:1234");
```

Initializing PDFNet with the license key will also remove the requirement to run your demo application with elevated rights in a server environment.

### 4.5.2 Common Questions

**Error:** Bad License Key. PDFNet SDK will work in the demo mode. For more information please see PDFNet FAQ or contact [support@pdftron.com](mailto:support@pdftron.com).

**Solution:** The license key was copied incorrectly. First, make sure no extra white space was added to the beginning or end of the string. Finally, make sure you are copying the entire license key as it was sent to you. [Exception when using license key](#)

**Error:** Your AMS expired on.... To upgrade to this version of PDFNet SDK, please renew your AMS subscription.

**Solution:** Your license is out of date and cannot use newer versions of PDFNet. Either return to using an earlier version, or contact sales at [pdftron.com](http://pdftron.com) to renew.

[PDFTron watermark still appears in generated documents after license purchase?](#)

## 5. Getting Help

### 5.1 SDK Samples

First, checking the available samples is a good place to get help. The following link provides a brief summary of the samples that come with your PDFNet package.

<http://www.pdftron.com/pdfnet/samplecode.html>

### 5.2 Public Forum

Next, check the PDFNet SDK forums, as there are plenty of answers available already. Odds are someone else has already asked your question, but it just didn't make it into this document.

<https://groups.google.com/forum/?fromgroups#!forum/pdfnet-sdk>

Otherwise, feel free to post questions to the forum.

### 5.3 Additional Resources

#### 5.3.1 CosEdit Tool

Included with your download of PDFNet SDK is a trial version of a tool called CosEdit. This is a useful tool for viewing the actual content and structure of a particular PDF file.

#### 5.3.2 Samples

Also included with your PDFNet SDK is a collection of samples that demonstrate most of the features available with PDFNet.

<http://www.pdftron.com/pdfnet/samplecode.html>

#### 5.3.3 Links

FAQ: <http://www.pdftron.com/pdfnet/faq.html>

Introduction: <http://www.pdftron.com/pdfnet/intro.html>

Documentation (API References): <http://www.pdftron.com/pdfnet/documentation.html>

#### 5.3.4 Technical Support

At PDFTron, we understand that good technical support is as important to our customers as our products themselves. Our technical support team consists of the same developers that build our products, work on new features and fix the bugs. This ensures that our customers receive accurate and to-the-point answers to their questions or problems.

If you think you have encountered a bug, or issue, with PDFNet, you can submit a ticket.

Simply fill out the following form: <http://www.pdftron.com/support/reportproblem.html>