

PDFViewer SDK Guide

1. Windows Phone 8 Developing

a) Getting Start

i. Requirement:

For Windows Phone 8 development, you need tools to be installed as following:

--Windows 8 or Windows 8.1 installed.

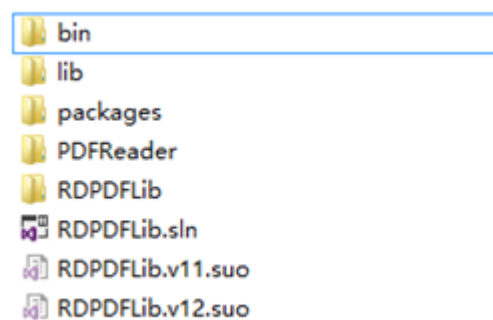
--Visual Studio 2012 or higher with C#.

--Windows Phone 8 SDK.

--Hyper-V, if you need to test on simulator.

ii. Files in demo project:

After downloading Demo package and extracting it, you should see following structure:



--"bin" folder contains dll files, which are linked for project which does not use C++.

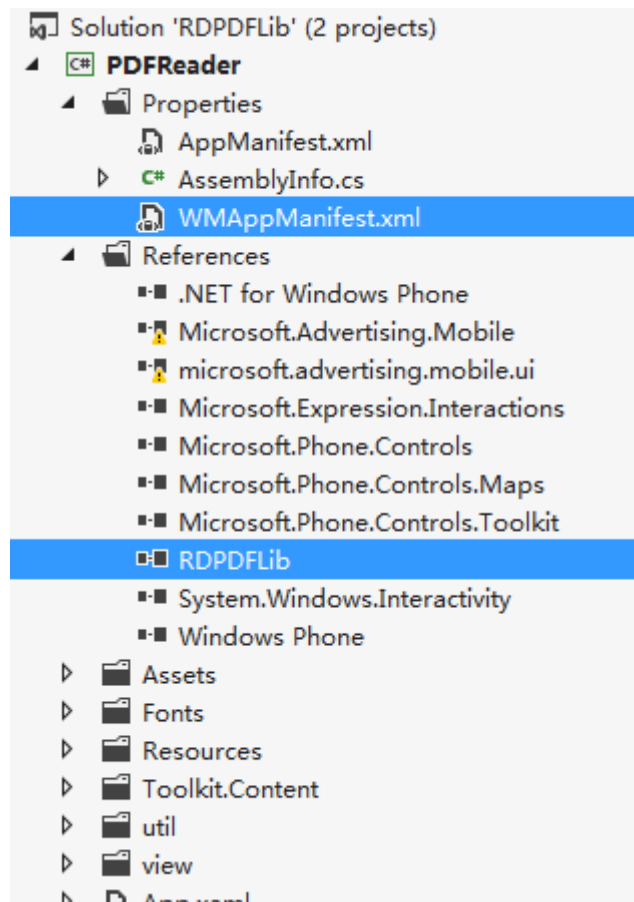
--"lib" folder contains static libraries for C++ developers.

--PDFReader is a C# demo project

--RDPDFLib is a C++ project, it wraps static library(in "lib" folder) and linked as runtime component.

iii. Introduce demo project:

Open project(double click on "RDPDFLib.sln"), VS2012/13 should be started up with following content:



2 selected items:

--“WMApManifest.xml” : a file contains project properties including: Icon, Product ID and Access Requirements.

--“RDPDFLib” reference to PDF library.

Other items:

--“Assets” includes cmap.dat/umap.dat and some font resources.

b) APP Initialize and license Active

i. APP Initialize:

Initializing codes are placed in [PDFReader.App.Application_Launching\(\)](#)

It loads cmap.dat, umaps.dat and fonts from Assets, and active license at the end of this method.

ii. License Active:

Our license binds to package name of APP.

In Windows Phone 8 projects, package name is named as “Product ID”

Developers can get Product ID with following code(C#):

`String pID =`

`Windows.Phone.Management.Deployment.InstallationManager.FindPackagesForCurrentPublisher().First().Id.ProductId;`

Before submitting to Windows Application Store, the Product ID is generated by Microsoft Visual Studio and can be modified by developers. It can be any value in GUID format. But, once you submit your application to Microsoft, the Product ID is re-assigned by Microsoft.

So it is recommended to processed in following order:

1. Create a Windows Phone application. And develop it with our free library. A free library can be download at:
[http://www.androidpdf.mobi/download/download-winrt/file/80-pdfviewer-s
dk-win-1-6](http://www.androidpdf.mobi/download/download-winrt/file/80-pdfviewer-sdk-win-1-6)
You do not need to finish all tasks on your TODO list, an application demo should be enough.
2. Submit your application to Microsoft.
3. Go to <https://dev.windowsphone.com/en-us>, log in with your developer account, and click “Dashboard” on top right of your screen.
4. Click on “Apps”, choose the application you submitted in the application list.
5. Click on “Details”
6. Find “App ID” in the page, that is your application ID (package ID) which is created by Microsoft.
7. Buy Radaee license with the application ID from step 6.
8. Activate Radaee library with Radaee license you get from step 7, finished your development up, and publish an update of your application to Microsoft App Store.

Product ID must be in format like “{50a2f6bd-c1ed-44da-9774-6fad1f61d274}”

While, Control Panel for developer on Microsoft displayed in format: “50a2f6bd-c1ed-44da-9774-6fad1f61d274”, so you need to add brace manually as package name when buying a license.

iii. **Build your owner APP:**

To build you owner APP, you shall:

- Create a WP8 APP by following Visual Studio wizard.
- Copy all files in Assets folder in Demo project to the same folder in your project.
- Copy code from [PDFReader.App.Application_Launching\(\)](#) method in Demo project to your project.
- Set Product ID same as Demo project in “WMAppManifest.xml”

--Add these code before end of "App" tag (in "WMApManifest.xml"):

```
<FunctionalCapabilities>
  <FunctionalCapability Name="ID_FUNCCAP_EXTEND_MEM" />
</FunctionalCapabilities>
```

--Add reference to "RDPDFLib"

You can add RDPDFLib project to your solution, if you are working with VC++.

Or you can add reference by open RDPDFLib.winmd, if you are working with C#.

2. Windows 8 Develop

a) Getting Start

i. Requirement:

For Windows 8 development, you need tools to be installed as following:

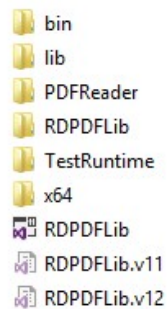
--Windows 8 or Windows 8.1 installed.

--Visual Studio 2012 or higher with C#/C++.

--Windows Store Application SDK.

ii. Files in demo project:

After downloading Demo package and extracting it, you should see following structure:



--"bin" folder contains dll files, which are linked for project which does not use C++.

--"lib" folder contains static libraries for C++ developers.

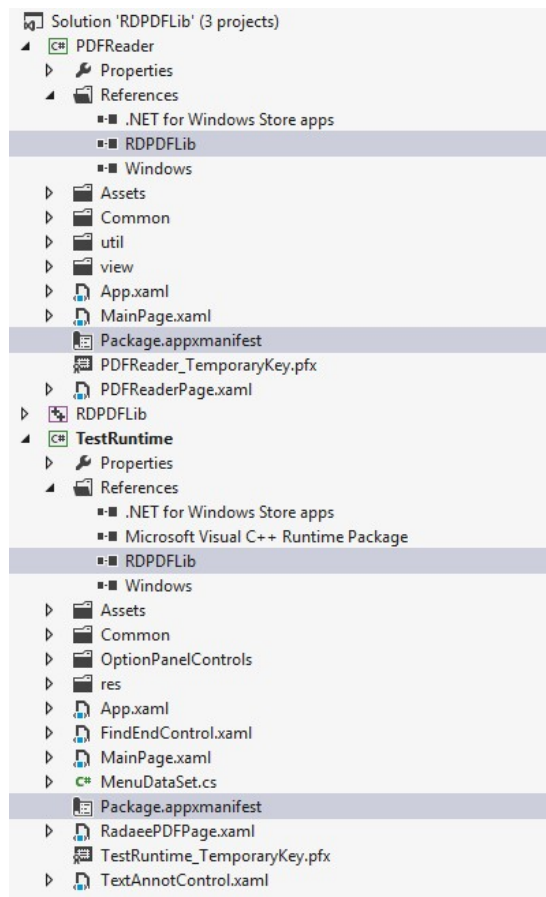
--TestRuntime is a C# demo project which render PDF pages with DX2D technology.

--PDFReader is another C# demo project which render PDF pages with regular Windows Store Application APIs.

--RDPDFLib is a C++ project, it wraps static library(in "lib" folder) and linked as runtime component.

iii. Introduce demo project:

Open project(double click on "RDPDFLib.sln"), VS2012/13 should be started up with following content:



4 selected items:

--“Package.appxmanifest” : a file contains project properties including: Icon, Product ID and Access Requirements.

--“RDPDFLib” reference to PDF library.

Other items:

--“Assets” includes cmap.dat/umap.dat and some font resources.

b) APP Initialize and license Active

i. APP Initialize:

Initializing codes are placed in `PDFReader(TestRuntime).App.OnLaunched()`

It loads cmap.dat, umaps.dat and fonts from Assets, and active license at the end of this method.

ii. License Active:

Our license binds to package name of APP.

Developers can get Product ID with following code(C#):

```
String pID = Windows.ApplicationModel.Package.Current.Id.Name;
```

Before submitting to Windows Application Store, the Product ID is generated by Microsoft Visual Studio and can be modified by developers. But, once you submit your application to Microsoft, the Product ID is re-assigned by Microsoft.

So it is recommended to processed in following order:

1. Create a Windows Store application. And develop it with our free library. A free library can be download at:
<http://www.androidpdf.mobi/download/download-winrt/file/79-pdfviewer-sdk-win-1-5>
You do not need to finish all tasks on your TODO list, an application demo should be enough.
2. Submit your application to Microsoft.
3. Your package ID will be automatically set to "XXXXXXXX.YourAppName", where XXXXXXXX is an 8-character hex string
4. Buy Radaee license with the application ID from step 3.
5. Activate Radaee library with Radaee license you get from step 4, finished your development up, and publish an update of your application to Microsoft App Store.

iii. **Build your owner APP:**

To build you owner APP, you shall:

- Create a Windows Store APP by following Visual Studio wizard.
- Copy all files in Assets folder in Demo project to the same folder in your project.
- Copy code from `PDFReader(TestRuntime).App.OnLaunched()` method in Demo project to your project.
- Set Product ID same as Demo project in "Package.appxmanifest"
- Add reference to "RDPDFLib"

You can add RDPDFLib project to your solution, if you are working with VC++.

Or you can add reference by open RDPDFLib.winmd, if you are working with

C#.