**How to Install and Run the PDF to Imagebook Conversion Service**

1. Install Ghostscript either by running the packaged file "gs914w64 (1).exe" or by going here <http://www.ghostscript.com/download/gsdnld.html>. No need for any customisations, just follow the default installation wizard options.
2. Install GraphicsMagic by running the packaged file "GraphicsMagick-1.3.19-Q16-win64-dll.exe" or by searching for a suitable executable here <http://www.graphicsmagick.org/download.html>. Again, just follow the default install wizard configuration options.
3. Open command prompt. Go to the project root folder ("[***PDFOptimizer***](https://github.com/omeryousaf/PDFOptimizer)"), on my system it is accomplished by typing the following command on the prompt and pressing return:

***cd <space> D:\***[***PDFOptimizer***](https://github.com/omeryousaf/PDFOptimizer)***\PDFToImagebook***

1. Now type the following command and press return:

***node <space> app <space> url\_of\_target\_couch\_server\****

***\* url\_of\_target\_couch\_server*** write the address of the target couchdb in place of this variable name, e.g. ***http://127.0.0.1:5984*** if target couchdb server is your local/same windows machine (assuming there are no admins configured on it). If the local couchdb is admin protected then the format of url\_of\_target\_couch\_server becomes ***http://admin\_username:password@127.0.0.1:5984*** where admin\_username would be the actual username value of the local couchdb admin and password would be the actual password value for the same admin account.

The next step is completely optional.

1. **Optional**: If you want to specify the location of the folder where all the image processing work should be stored during a conversion, do one of the following: open command prompt, type following command and hit return

***set MAGICK\_TMPDIR=*** ***C:\GraphicsMagicTempFolder***

(this is the folder I used to monitor the space used during conversions. You can mention address of any folder, you have created for this purpose, if you like). This step is totally optional as Graphics Magic already has some default folder where it does all the work. By following this step we are merely asking it to do that work in a directory of our choice.