



# Batch PDF Optimization

with Python, batch files, and ghostscript

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## 0.1 Introduction

**Summary** Optimization of a large number of pdf docs can be accomplished with the following workflow.

**requirements** Opensource software:

- ghostscript
- python 2.7 and a Python IDE
- A text editor

## 0.2 Python(2.7)

**Script**

```
import os, sys, time
```

```
project = os.path.dirname(os.path.dirname(__file__))
processing = os.path.join(project, 'processing')
#source = os.path.join(project, 'source')
build = os.path.join(project, 'build')
sourcepdf = os.path.join(build, '20180716')
```

```
inString1 = "gswin32 -sDEVICE=pdfwrite -dCompatibilityLevel=1.4 -dPDFSETTINGS=/ebook -dNOPAUSE -d
```

```
inString2 = " J:\\Projects\\2018ParcelAtlas\\build\\20180716\\"
```

```
batchdoc = os.path.join(processing, "bDoc.txt")
```

```
# Main
```

```
#####
```

```
if __name__ == "__main__":
```

```
    list1 = os.listdir(sourcepdf)
    l = open(batchdoc, 'w')
    for i in list1:
        newi = i[1:]
        print newi
        t = inString1 + newi + inString2 + i + "\n"
        print t
        l.write(t)
```

```
l.close()
```

### 0.3 ghostscript

**About** ghostscript is an interpreter for the PostScript language and for PDF [?].

**Licensing** ghostscript is available opensource under AGPL conditions. more information can be found [here](#).

**Download** ghostscript can be downloladed [here](#).

### 0.4 Windows batch files