# How to generate PDF invoice from HTML template for HTML to PDF API in Python with ByteScout Cloud API Server

How to generate PDF invoice from HTML template in Python with easy ByteScout code samples to make HTML to PDF API. Step-by-step tutorial

The sample source codes on this page will show you how to create HTML to PDF API in Python. ByteScout Cloud API Server was designed to assist HTML to PDF API in Python. ByteScout Cloud API Server is API server that is ready to use and can be installed and deployed in less than 30 minutes on your own Windows server or server in a cloud. It can save data and files on your local server-based file storage or in Amazon AWS S3 storage. Data is processed solely on the API server and is powered by ByteScout engine, no cloud services or Internet connection is required for data processing..

Use the code displayed below in your application to save a lot of time on writing and testing code. For implementation of this functionality, please copy and paste the code below into your app using code editor. Then compile and run your app. Check Python sample code examples to see if they respond to your needs and requirements for the project.

Trial version of ByteScout is available for free download from our website. This and other source code samples for Python and other programming languages are available.

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# Source Code Files:

# GeneratePdfInvoiceFromHtmlTemplate.py

```python
import os
import  json
import requests # pip install requests

# Please NOTE: In this sample we're assuming Cloud Api Server is hosted at "https://localhost".
# If it's not then please replace this with with your hosting url.

# Base URL for PDF.co Web API requests
BASE_URL = "https://localhost"

# HTML template
file_read = open(".\\invoice_template.html", mode='r')
Template = file_read.read()
file_read.close()

# Data to fill the template
file_read = open(".\\invoice_data.json", mode='r')
TemplateData = json.dumps(file_read.read())
file_read.close()

# Destination PDF file name
DestinationFile = ".\\result.pdf"


def main(args = None):
    GeneratePDFFromTemplate(Template, TemplateData, DestinationFile)


def GeneratePDFFromTemplate(template, templateData, destinationFile):
    """Converts HTML to PDF using PDF.co Web API"""

    data = {
        'templateData': templateData,
        'html': template
    }

    # Prepare URL for 'HTML To PDF' API request
    url = "{}/pdf/convert/from/html?name={}".format(
        BASE_URL,
        os.path.basename(destinationFile)
    )

    # Execute request and get response as JSON

    response = requests.post(url, data=data)
    if (response.status_code == 200):
        json = response.json()

        if json["error"] == False:
            #  Get URL of result file
            resultFileUrl = json["url"]
            # Download result file
            r = requests.get(resultFileUrl, stream=True)
            if (r.status_code == 200):
                with open(destinationFile, 'wb') as file:
                    for chunk in r:
                        file.write(chunk)
                print(f"Result file saved as \"{destinationFile}\" file.")
            else:
                print(f"Request error: {response.status_code} {response.reason}")
        else:
            # Show service reported error
            print(json["message"])
    else:
        print(f"Request error: {response.status_code} {response.reason}")

if __name__ == '__main__':
    main()
```

VIDEO

https://www.youtube.com/watch?v=NEwNs2b9YN8

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