

How to read barcode from URL for barcode reader API in Python with ByteScout Cloud API Server

Step-by-step tutorial:How to read barcode from URL to have barcode reader API in Python

On this page, you will find sample source codes which show you how to handle a complex task, such as, barcode reader API in Python. ByteScout Cloud API Server was designed to assist barcode reader API in Python. ByteScout Cloud API Server is the ready to use Web API Server that can be deployed in less than 30 minutes into your own in-house server or into private cloud server. Can store data on in-house local server based storage or in Amazon AWS S3 bucket. Processing data solely on the server using built-in ByteScout powered engine, no cloud services are used to process your data!.

If you want to speed up the application's code writing then Python code samples for Python developers help to implement using ByteScout Cloud API Server. For implementation of this functionality, please copy and paste the code below into your app using code editor. Then compile and run your app. Enjoy writing a code with ready-to-use sample Python codes to implement barcode reader API using ByteScout Cloud API Server.

ByteScout Cloud API Server - free trial version is available on our website. Also, there are other code samples to help you with your Python application included into trial version.

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Source Code Files:

ReadBarcodeFromUrl.py

```
import os
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"

# Direct URL of source file to search barcodes in.
SourceFileURL = "https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-api/barcode-reader/sample.pdf"

# Comma-separated list of barcode types to search.
# See valid barcode types in the documentation https://app.pdf.co/documentation/api/1.0/barcode/read_from_url.html
BarcodeTypes = "Code128,Code39,Interleaved2of5,EAN13"

# Comma-separated list of page indices (or ranges) to process. Leave empty for all pages. Example: '0,2-5,7-'.
Pages = ""

def main(args=None):
    readBarcodes(SourceFileURL)

def readBarcodes(uploadedFileUrl):
    """Get Barcode Information using PDF.co Web API"""

    # Prepare URL for 'Barcode Reader' API request
    url = "{}/{}/barcode/read/from/url?types={}&pages={}&url={}".format(
        BASE_URL,
        BarcodeTypes,
        Pages,
        uploadedFileUrl
    )

    # Execute request and get response as JSON
    response = requests.get(url, headers={"content-type": "application/octet-stream"})
    if (response.status_code == 200):
        json = response.json()

        if json["error"] == False:
            # Display information
            for barcode in json["barcodes"]:
                print("Found barcode:")
                print(f"  Type: {barcode['TypeName']}")
                print(f"  Value: {barcode['Value']}")
                print(f"  Document Page Index: {barcode['Page']}")
                print(f"  Rectangle: {barcode['Rect']}")
                print(f"  Confidence: {barcode['Confidence']}")
                print("")
            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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