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# How to parse from url for document parser API in Powershell using PDF.co Web API

## Step-by-step tutorial:How to parse from url to have document parser API in Powershell

This page displays the step-by-step instructions and algorithm of how to parse from url and how to apply it in your application. PDF.co Web API was designed to assist document parser API in Powershell. PDF.co Web API is the flexible Web API that includes full set of functions from e-signature requests to data extraction, OCR, images recognition, pdf splitting and pdf splitting. Can also generate barcodes and read barcodes from images, scans and pdf.

Use the code displayed below in your application to save a lot of time on writing and testing code. Follow the tutorial and copy - paste code for Powershell into your project's code editor. Use of PDF.co Web API in Powershell is also described in the documentation given along with the product.

Free! Free! Free! ByteScout free trial version is available for FREE download from our website. Programming tutorials along with source code samples are assembled.

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# Source Code Files:

MultiPageTable-template1.yml

```
---
# Template that demonstrates parsing of multi-page table using only
# regular expressions for the table start, end, and rows.
# If regular expression cannot be written for every table row (for example,
# if the table contains empty cells), try the second method demonstrated
# in 'MultiPageTable-template2.yml' template.
templateVersion: 2
templatePriority: 0
sourceId: Multipage Table Test
detectionRules:
  keywords:
  - Sample document with multi-page table
fields:
  total:
    expression: TOTAL {{DECIMAL}}
tables:
- name: table1
  start:
    # regular expression to find the table start in document
    expression: Item\s+Description\s+Price\s+Qty\s+Extended Price
  end:
    # regular expression to find the table end in document
    expression: TOTAL\s+\d+\.\d\d
  row:
    # regular expression to find table rows
    expression: '^\s*(?<itemNo>\d+)\s+(?<description>.+?)\s+(?<price>\d+\.\d\d)\s+(?<q
  columns:
  - name: itemNo
    type: integer
  - name: description
    type: string
  - name: price
    type: decimal
  - name: qty
    type: integer
  - name: extPrice
    type: decimal
  multipage: true
```

ParseFromUrl.ps1

```
# The authentication key (API Key).
# Get your own by registering at https://app.pdf.co/documentation/api
$API_KEY = "**********************************"

# Source PDF file url
$SourceFileUrl = "https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-api/do

# Destination JSON file name
```

```
$DestinationFile = ".\result.json"


try {
    # Parse url
    # Template text. Use Document Parser SDK (https://bytescout.com/products/developer/
    # to create templates.
    # Read template from file:
    $templateContent = [IO.File]::ReadAllText(".\MultiPageTable-template1.yml")

    # Prepare URL for `Document Parser` API call
    $query = "https://api.pdf.co/v1/pdf/documentparser"

    # Content
    $Body = @{
        "url" = $SourceFileUrl;
        "template" = $templateContent;
    }

    # Execute request
    $jsonResponse = Invoke-RestMethod -Method 'Post' -Headers @{ "x-api-key" = $API_KE
    if ($jsonResponse.error -eq $false) {
        # Get URL of generated HTML file
        $resultFileUrl = $jsonResponse.url;

        # Download output file
        Invoke-WebRequest -Headers @{ "x-api-key" = $API_KEY } -OutFile $DestinationFi
        Write-Host "Generated output file saved as `"$($DestinationFile)`" file."
    }
    else {
        # Display service reported error
        Write-Host $jsonResponse.message
    }
}
catch {
    # Display request error
    Write-Host $_.Exception
}
```

run.bat

```
@echo off

powershell -NoProfile -ExecutionPolicy Bypass -Command "& .\ParseFromUrl.ps1"
echo Script finished with errorlevel=%errorlevel%

pause
```

VIDEO

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

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