

How to optimize PDF from uploaded file for PDF optimization API in PowerShell using PDF.co Web API

How to optimize PDF from uploaded file for PDF optimization API in PowerShell: Step By Step Tutorial

Today you are going to learn how to optimize PDF from uploaded file in PowerShell. PDF.co Web API was made to help with PDF optimization API in PowerShell. PDF.co Web API is the Rest API that provides set of data extraction functions, tools for documents manipulation, splitting and merging of pdf files. Includes built-in OCR, images recognition, can generate and read barcodes from images, scans and pdf.

You will save a lot of time on writing and testing code as you may just take the code below and use it in your application. Sample code in PowerShell is all you need. Copy-paste it to your the code editor, then add a reference to PDF.co Web API and you are ready to try it! Tutorials are available along with installed PDF.co Web API if you'd like to dive deeper into the topic and the details of the API.

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

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Source Code Files:

```

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

# Source PDF file
$SourceFile = ".\sample.pdf"
# PDF document password. Leave empty for unprotected documents.
$Password = ""
# Destination PDF file name
$DestinationFile = ".\result.pdf"

# 1. RETRIEVE THE PRESIGNED URL TO UPLOAD THE FILE.
# * If you already have a direct file URL, skip to the step 3.

# Prepare URL for `Get Presigned URL` API call
$query = "https://api.pdf.co/v1/file/upload/get-presigned-url?contenttype=application/pdf&filename=[System.IO.Path]::GetFileName($SourceFile)&password=$Password"
$query = [System.Uri]::EscapeUriString($query)

try {
    # Execute request
    $jsonResponse = Invoke-RestMethod -Method Get -Headers @{ "x-api-key" = $API_KEY }

    if ($jsonResponse.error -eq $false) {
        # Get URL to use for the file upload
        $uploadUrl = $jsonResponse.presignedUrl
        # Get URL of uploaded file to use with later API calls
        $uploadedFileUrl = $jsonResponse.url

        # 2. UPLOAD THE FILE TO CLOUD.

        $r = Invoke-WebRequest -Method Put -Headers @{ "x-api-key" = $API_KEY; "content-type" = "application/pdf" } -Uri $uploadUrl -File $SourceFile

        if ($r.StatusCode -eq 200) {

            # 3. OPTIMIZE UPLOADED PDF FILE

            # Prepare URL for `Optimize PDF` API call
            $query = "https://api.pdf.co/v1/pdf/optimize?name={0}&password={1}&url={2}" -f $(Split-Path $DestinationFile -Leaf), $Password, $uploadedFileUrl
            $query = [System.Uri]::EscapeUriString($query)

            # Execute request
            $jsonResponse = Invoke-RestMethod -Method Get -Headers @{ "x-api-key" = $API_KEY } -Uri $query

            if ($jsonResponse.error -eq $false) {
                # Get URL of generated PDF file
                $resultFileUrl = $jsonResponse.url;

                # Download PDF file
                Invoke-WebRequest -Headers @{ "x-api-key" = $API_KEY } -Uri $resultFileUrl -OutFile $DestinationFile

                Write-Host "Generated PDF file saved as `"$($DestinationFile)`" file."
            }
        }
    }
} catch {
    Write-Host "Error: $_"
}

```

```
        else {
            # Display service reported error
            Write-Host $jsonResponse.message
        }
    }
    else {
        # Display request error status
        Write-Host $r.StatusCode + " " + $r.StatusDescription
    }
}
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 "& .\OptimizePdfFromUploadedFile
echo Script finished with errorlevel=%errorlevel%

pause
```

VIDEO

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

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