

## How to parse uploaded file (node for document parser API in JavaScript using ByteScout Cloud API Server

Follow this simple tutorial to learn parse uploaded file (node to have document parser API in JavaScript

Check these thousands of pre-made source code samples for simple implementation in your own programming projects. Document parser API in JavaScript can be applied with ByteScout Cloud API Server. ByteScout Cloud API Server is the ready to deploy Web API Server that can be deployed in less than thirty minutes into your own in-house Windows server (no Internet connection is required to process data!) 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 JavaScript code samples for JavaScript developers help to implement using ByteScout Cloud API Server. This JavaScript sample code can be used by copying and pasting into your project. Once done, just compile your project and click Run. Check JavaScript sample code examples to see if they respond to your needs and requirements for the project.

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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+(?<qty>\d+)\s+(?<extPrice>\d+\.\d\d)'
      columns:
        - name: itemNo
          type: integer
        - name: description
          type: string
        - name: price
          type: decimal
        - name: qty
          type: integer
        - name: extPrice
          type: decimal
      multipage: true
```

## ParsePdfFromUploadedFile.js

```
/*jshint esversion: 6 */

// 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.

var https = require("https");
var path = require("path");
var fs = require("fs");

// `request` module is required for file upload.
// Use "npm install request" command to install.
var request = require("request");

// Source PDF file
const SourceFile = "./MultiPageTable.pdf";
// PDF document password. Leave empty for unprotected documents.
const Password = "";
```

```

// Destination PDF file name
const DestinationFile = "./result.json";

// 1. RETRIEVE PRESIGNED URL TO UPLOAD FILE.
getPresignedUrl(SourceFile)
  .then(([{uploadUrl, uploadedFileUrl}] => {
    // 2. UPLOAD THE FILE TO CLOUD.
    uploadFile(SourceFile, uploadUrl)
      .then(() => {
        // 3. OPTIMIZE UPLOADED PDF FILE
        parsePdf(uploadedFileUrl, Password, DestinationFile);
      })
      .catch(e => {
        console.log(e);
      });
  })
  .catch(e => {
    console.log(e);
  });

function getPresignedUrl(localFile) {
  return new Promise(resolve => {
    // Prepare request to `Get Presigned URL` API endpoint
    let queryPath = `file/upload/get-presigned-url?contentType=application/octet-stream&name=${path.basename(SourceFile)}`;
    let reqOptions = {
      host: "localhost",
      path: encodeURIComponent(queryPath)
    };
    // Send request
    https.get(reqOptions, (response) => {
      response.on("data", (d) => {
        let data = JSON.parse(d);
        if (data.error == false) {
          // Return presigned url we received
          resolve([data.presignedUrl, data.url]);
        }
        else {
          // Service reported error
          console.log("getPresignedUrl(): " + data.message);
        }
      });
    });
  });
}

function uploadFile(localFile, uploadUrl) {
  return new Promise(resolve => {
    fs.readFile(SourceFile, (err, data) => {
      request({
        method: "PUT",
        url: uploadUrl,
        body: data,
        headers: {
          "Content-Type": "application/octet-stream"
        }
      }, (err, res, body) => {
        if (!err) {
          resolve();
        }
        else {
          console.log("uploadFile() request error: " + e);
        }
      });
    });
  });
}

function parsePdf(uploadedFileUrl, password, destinationFile) {
  // Template text. Use Document Parser SDK (https://bytescout.com/products/developer/documentparsersdk/index.html)
  // to create templates.
  // Read template from file:
  var templateText = fs.readFileSync("./MultiPageTable-template1.yml", "utf-8");

```

```

// URL for `Document Parser` API call
var query = `https://localhost/pdf/documentparser`;
var jsonRequestObject = {
  url: uploadedFileUrl,
  template: templateText
};

request(
  {
    url: query,
    method: "POST",
    json: true,
    body: jsonRequestObject
  },
  function (error, response, body) {

    if (error) {
      return console.error("Error: ", error);
    }

    // Parse JSON response
    let data = JSON.parse(JSON.stringify(body));

    if (data.error == false) {
      //Download generated file
      var file = fs.createWriteStream(destinationFile);
      https.get(data.url, (response2) => {
        response2.pipe(file)
          .on("close", () => {
            console.log(`Generated result file saved as "${destinationFile}" file.`);
          });
      });
    }
    else {
      // Service reported error
      console.log("Error: " + data.message);
    }
  }
);
}

```

VIDEO

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

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