

How to convert CSV to PDF from uploaded file (node for CSV to PDF API in JavaScript and ByteScout Cloud API Server

How to convert CSV to PDF from uploaded file (node in JavaScript with easy ByteScout code samples to make CSV to PDF API. Step-by-step tutorial

We regularly create and update our sample code library so you may quickly learn CSV to PDF API and the step-by-step process in JavaScript. ByteScout Cloud API Server was designed to assist CSV to PDF API in JavaScript. 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..

JavaScript code snippet like this for ByteScout Cloud API Server works best when you need to quickly implement CSV to PDF API in your JavaScript application. Open your JavaScript project and simply copy & paste the code and then run your app! Easy to understand tutorials are available along with installed ByteScout Cloud API Server if you'd like to learn more about the topic and the details of the API.

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

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Source Code Files:

ConvertCsvToPdfFromUploadedFile.js

```
/*jshint esversion: 6 */

// Please NOTE: In this sample we're assuming Cloud Api Server is hosted at "https://1
// 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 CSV file
const SourceFile = "./sample.csv";
// Destination PDF file name
const DestinationFile = "./result.pdf";

// 1. RETRIEVE PRESIGNED URL TO UPLOAD FILE.
getPresignedUrl(SourceFile)
  .then(([uploadUrl, uploadedFileUrl]) => {
    // 2. UPLOAD THE FILE TO CLOUD.
    uploadFile(SourceFile, uploadUrl)
      .then(() => {
        // 3. CONVERT UPLOADED CSV FILE TO PDF
        convertCsvToPdf(uploadedFileUrl, 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-
    let reqOptions = {
      host: "localhost",
      path: encodeURI(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);
        }
    });
}

.on("error", (e) => {
    // Request error
    console.log("getPresignedUrl(): " + e);
});
});
}

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 convertCsvToPdf(uploadedFileUrl, destinationFile) {
    // Prepare URL for `CSV To PDF` API call
    let queryPath = `/pdf/convert/from/csv?name=${path.basename(destinationFile)}&url=${uploadedFileUrl}`;
    let reqOptions = {
        host: "localhost",
        path: encodeURI(queryPath),
        method: "GET"
    };
    // Send request
    https.get(reqOptions, (response) => {
        response.on("data", (d) => {
            response.setEncoding("utf8");
            // Parse JSON response
            let data = JSON.parse(d);
            if (data.error == false) {
                console.log(`Job #${data.jobId} has been created!`);
                checkIfJobIsCompleted(data.jobId, data.url, destinationFile);
            }
            else {
                // Service reported error
                console.log("readBarcodes(): " + data.message);
            }
        });
    });
}

.on("error", (e) => {

```

```

        // Request error
        console.log("readBarcodes(): " + e);
    });
}

function checkIfJobIsCompleted(jobId, resultFileUrl, destinationFile) {
    let queryPath = `/job/check?jobid=${jobId}`;
    let reqOptions = {
        host: "localhost",
        path: encodeURI(queryPath),
        method: "GET"
    };

    https.get(reqOptions, (response) => {
        response.on("data", (d) => {
            response.setEncoding("utf8");

            // Parse JSON response
            let data = JSON.parse(d);
            console.log(`Checking Job #${jobId}, Status: ${data.status}, Time: ${new Date}`);

            if (data.status == "working") {
                // Check again after 3 seconds
                setTimeout(function () { checkIfJobIsCompleted(jobId, resultFileUrl, destinationFile); }, 3000);
            }
            else if (data.status == "success") {
                // Download PDF file
                var file = fs.createWriteStream(destinationFile);
                https.get(resultFileUrl, (response2) => {
                    response2.pipe(file)
                        .on("close", () => {
                            console.log(`Generated PDF file saved as "${destinationFile}`);
                        });
                });
            }
            else {
                console.log(`Operation ended with status: "${data.status}".`);
            }
        });
    });
}
}

```

VIDEO

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

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