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

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

The documentation is written to assist you to apply all the necessary features on your side. ByteScout Cloud API Server was designed to assist PDF to image API in JavaScript. 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 buil-in ByteScout powered engine, no cloud services are used to process your data!.

Use the code displayed below in your application to save a lot of time on writing and testing code. For implementation of this functionality, please copy and paste the code below into your app using code editor. Then compile and run your app. Further improvement of the code will make it more robust.

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:

ConvertPdfToJpegFromUploadedFile.js

```
/*jshint esversion: 6 */

// Please NOTE: In this sample we're assuming Cloud Api Server is hosted at "https://l
// 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 = "./sample.pdf";
// Comma-separated list of page indices (or ranges) to process. Leave empty for all pag
const Pages = "";
// PDF document password. Leave empty for unprotected documents.
const Password = "";

// 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 PDF FILE TO JPEG
                convertPdfToJpeg(uploadedFileUrl, Password, Pages);
            })
            .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-s
        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 convertPdfToJpeg(uploadedFileUrl, password, pages) {
    // Prepare URL for `PDF To JPEG` API call
    var queryPath = `/pdf/convert/to/jpg?password=${password}&pages=${pages}&url=${uplo
    let reqOptions = {
        host: "localhost",
        path: encodeURI(queryPath),
        method: "GET"
    };
    // Send request
    https.get(reqOptions, (response) => {
        response.on("data", (d) => {
            response.setEncoding("utf8");
            // Parse JSON response
            let data = JSON.parse(d);
            if (data.error == false) {
                console.log(`Job #${data.jobId} has been created!`);
                checkIfJobIsCompleted(data.jobId, data.url);
            }
            else {
                // Service reported error
                console.log("convertPdfToJpeg(): " + data.message);
            }
        });
    })
        .on("error", (e) => {
            // Request error
```

```
            console.log("convertPdfToJpeg(): " + e);
        });
}

function checkIfJobIsCompleted(jobId, resultFileUrlJson) {

    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 Da

            if (data.status == "working") {
                // Check again after 3 seconds
                setTimeout(function(){checkIfJobIsCompleted(jobId, resultFileUrlJson)}
            }
            else if (data.status == "success") {

                request({ method: 'GET', uri: resultFileUrlJson, gzip: true },
                    function (error, response, body) {

                        // Parse JSON response
                        let respJsonFileArray = JSON.parse(body);
                        let page = 1;

                        respJsonFileArray.forEach((url) => {
                            var localFileName = `./page${page}.jpg`;
                            var file = fs.createWriteStream(localFileName);
                            https.get(url, (response2) => {
                                response2.pipe(file)
                                    .on("close", () => {
                                        console.log(`Generated JPEG file saved as "${lo
                                    });
                            });
                            page++;
                        }, this);

                    });
            }
            else {
                console.log(`Operation ended with status: "${data.status}".`);
            }
        })
    });
}
```

VIDEO

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

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