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

Step-by-step tutorial: How to convert PDF to TIFF from uploaded file (node to have PDF to image API in JavaScript

Check these thousands of pre-made source code samples for simple implementation in your own programming projects. 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 built-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. This sample code in JavaScript is all you need. Just copy-paste it to the code editor, then add a reference to ByteScout Cloud API Server and you are ready to try it! This basic programming language sample code for JavaScript will do the whole work for you in implementing PDF to image API in your app.

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Source Code Files:

ConvertPdfToTiffFromUploadedFile.js

```
/*jshint esversion: 6 */

// Please NOTE: In this sample we're assuming Cloud Api Server is hosted at "https://localhost:9443"
// If it's not then please replace this 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 pages.
const Pages = "";
// PDF document password. Leave empty for unprotected documents.
const Password = "";
// Destination TIFF file name
const DestinationFile = "./result.tif";

// 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 TIFF
                convertPdfToTiff(uploadedFileUrl, Password, Pages, 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`;
        let reqOptions = {
            host: "localhost",
            path: encodeURI(queryPath)
        };
        // Send request
        https.get(reqOptions, (response) => {
            response.on("data", (d) => {
                let data = JSON.parse(d);
                resolve(data);
            });
        });
    });
}
```

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        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 convertPdfToTiff(uploadedFileUrl, password, pages, destinationFile) {
    // Prepare URL for `PDF To TIFF` API call
    var queryPath = `/pdf/convert/to/tiff?password=${password}&pages=${pages}&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("convertPdfToTiff(): " + data.message);
            }
        });
    });
}

```

```

        }
    });
    .on("error", (e) => {
        // Request error
        console.log(`convertPdfToTiff(): ${e}`);
    });
}

function checkIfJobIsCompleted(jobId, resultImageUrl, 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().toLocaleString()}`);

            if (data.status === "working") {
                // Check again after 3 seconds
                setTimeout(function () { checkIfJobIsCompleted(jobId, resultImageUrl, destinationFile); }, 3000);
            } else if (data.status === "success") {
                // Download TIFF file
                var file = fs.createWriteStream(destinationFile);
                https.get(resultImageUrl, (response2) => {
                    response2.pipe(file)
                        .on("close", () => {
                            console.log(`Generated TIFF 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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