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

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

These simple tutorials explain the code material for beginners and advanced programmers who are using JavaScript. ByteScout Cloud API Server was designed to assist PDF to XML API in JavaScript. 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 connnection 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!.

JavaScript code snippet like this for ByteScout Cloud API Server works best when you need to quickly implement PDF to XML API in your JavaScript application. Follow the tutorial and copy - paste code for JavaScript into your project's code editor. Writing JavaScript application mostly includes various stages of the software development so even if the functionality works please check it with your data and the production environment.

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

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Source Code Files:

ConvertPdfToXmlFromUploadedFile.js

```
/*jshint esversion: 6 */

// Please NOTE: In this sample we're assuming Cloud Api Server is hosted at "https://lo
// 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 = "";
// Destination XML file name
const DestinationFile = "./result.xml";


// 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 XML
        convertPdfToXml(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-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 convertPdfToXml(uploadedFileUrl, password, pages, destinationFile) {
    // Prepare request to `PDF To XML` API endpoint
    var queryPath = `/pdf/convert/to/xml?name=${path.basename(destinationFile)}&passwo
    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) {
                // Download XML file
                var file = fs.createWriteStream(destinationFile);
                https.get(data.url, (response2) => {
                    response2.pipe(file)
                    .on("close", () => {
```

```
                        console.log(`Generated XML file saved as "${destinationFile}" 
                    });
                });
            }
            else {
                // Service reported error
                console.log("convertPdfToXml(): " + data.message);
            }
        });
    })
    .on("error", (e) => {
        // Request error
        console.log("convertPdfToXml(): " + e);
    });
}
```

VIDEO

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

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