

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

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

Writing of the code to convert PDF to JSON from uploaded file (node in JavaScript can be done by developers of any level using ByteScout Cloud API Server. ByteScout Cloud API Server was designed to assist PDF to JSON 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..

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! Further improvement of the code will make it more robust.

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.

FOR MORE INFORMATION AND FREE TRIAL:

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Source Code Files:

## ConvertPdfToJsonFromUploadedFile.js

```
/*jshint esversion: 6 */

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 JSON file name
const DestinationFile = "./result.json";

// 1. RETRIEVE PRESIGNED URL TO UPLOAD FILE.
getPresignedUrl(SourceFile)
.then(([uploadUrl, uploadedImageUrl]) => {
    // 2. UPLOAD THE FILE TO CLOUD.
    uploadFile(SourceFile, uploadUrl)
    .then(() => {
        // 3. CONVERT UPLOADED PDF FILE TO JSON
        convertPdfToJson(uploadedImageUrl, 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);
                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 convertPdfToJson(uploadedFilePath, password, pages, destinationFile) {
    // Prepare request to `PDF To JSON` API endpoint
    var queryPath = `/pdf/convert/to/json?name=${path.basename(destinationFile)}&password=${password}`;
    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("convertPdfToJson(): " + data.message);
            }
        });
    });
}

```

```

    });
  .on("error", (e) => {
    // Request error
    console.log(`convertPdfToJson(): ${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 JSON file
        var file = fs.createWriteStream(destinationFile);
        https.get(resultImageUrl, (response2) => {
          response2.pipe(file)
            .on("close", () => {
              console.log(`Generated JSON file saved as "${destinationFile}"`);
            });
        });
      }
      else {
        console.log(`Operation ended with status: ${data.status}.`);
      }
    });
  });
}

```

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## VIDEO

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

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