

# PDF to XML API in JavaScript and PDF.co Web API

## PDF to XML API in JavaScript

Today we will explain the steps and algorithm of implementing PDF to XML API and how to make it work in your application. PDF to XML API in JavaScript can be implemented with PDF.co Web API. PDF.co Web API is the Rest API that provides set of data extraction functions, tools for documents manipulation, splitting and merging of pdf files. Includes built-in OCR, images recognition, can generate and read barcodes from images, scans and pdf.

The SDK samples like this one below explain how to quickly make your application do PDF to XML API in JavaScript with the help of PDF.co Web API. JavaScript sample code is all you need: copy and paste the code to your JavaScript application's code editor, add a reference to PDF.co Web API (if you haven't added yet) and you are ready to go! Further enhancement of the code will make it more vigorous.

Our website provides free trial version of PDF.co Web API. It comes along with all these source code samples with the goal to help you with your JavaScript application implementation.

JavaScript - ConvertPdfToXmlFromUrl.js

```
var https = require("https");
var path = require("path");
var fs = require("fs");

// The authentication key (API Key).
// Get your own by registering at https://app.pdf.co/documentation/api
const API_KEY = "*****";

// Direct URL of source PDF file.
const SourceFileUrl = "https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-api/pdf-to-xml/sample.pdf";
// Comma-separated list of page indices (or ranges) to process. Leave empty for all pages. Example: '0,2-5,7-'.
const Pages = "";
// PDF document password. Leave empty for unprotected documents.
const Password = "";
// Destination XML file name
const DestinationFile = "./result.xml";

// Sample profile that sets advanced conversion options
// Advanced options are properties of XMLExtractor class from ByteScout XML Extractor SDK used in the back-end:
// https://cdn.bytescout.com/help/BytescoutPDFExtractorSDK/html/6f2b5e9c-ba15-f9fe-192b-c3e31ec4a0ee.htm
const Profiles = '{ "profiles": [ { "profile1": { "TrimSpaces": "False",
```

```

"PreserveFormattingOnTextExtraction": "True", "Unwrap": "True",
"ShrinkMultipleSpaces": "True" } } ] }';

// Prepare request to `PDF To XML` API endpoint
var queryPath = `/v1/pdf/convert/to/xml?
name=${path.basename(DestinationFile)}&password=${Password}&pages=${Pages}&url=${Source

var reqOptions = {
  host: "api.pdf.co",
  path: encodeURI(queryPath),
  headers: {
    "x-api-key": API_KEY
  }
};
// Send request
https.get(reqOptions, (response) => {
  response.on("data", (d) => {
    // Parse JSON response
    var data = JSON.parse(d);
    if (data.error == false) {
      console.log(`Job #${data.jobId} has been created!`);

      // Process returned job
      checkIfJobIsCompleted(data.jobId, data.url);
    }
    else {
      // Service reported error
      console.log(data.message);
    }
  });
}).on("error", (e) => {
  // Request error
  console.log(e);
});

function checkIfJobIsCompleted(jobId, resultFileUrl) {
  let queryPath = `/v1/job/check?jobid=${jobId}`;
  let reqOptions = {
    host: "api.pdf.co",
    path: encodeURI(queryPath),
    method: "GET",
    headers: { "x-api-key": API_KEY }
  };

  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, resultFileUrl);
        }, 3000);
      }
      else if (data.status == "success") {

```

```
// Download XML file
var file = fs.createWriteStream(DestinationFile);
https.get(resultFileUrl, (response2) => {
  response2.pipe(file)
    .on("close", () => {
      console.log(`Generated XML file saved as
"${DestinationFile}" file.`);
    });
})
}
else {
  console.log(`Operation ended with status: "${data.status}".`);
}
})
});
}
```

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FOR MORE INFORMATION AND FREE TRIAL:

[Download Free Trial SDK \(on-premise version\)](#)

[Read more about PDF.co Web API](#)

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[Get Your Free API Key for www.PDF.co Web API](#)