

How to convert PDF to PNG from uploaded file (node for PDF to image API in JavaScript with PDF.co Web API

How to convert PDF to PNG from uploaded file (node for PDF to image API in JavaScript: How To Tutorial

Sample source codes below will show you how to cope with a difficult task, for example, PDF to image API in JavaScript. PDF.co Web API was made to help with PDF to image API in JavaScript. PDF.co Web API is the Web API with a set of tools for documents manipulation, data conversion, data extraction, splitting and merging of documents. Includes image recognition, built-in OCR, barcode generation and barcode decoders to decode bar codes from scans, pictures and pdf.

You will save a lot of time on writing and testing code as you may just take the code below and use it in your application. Sample code in JavaScript is all you need. Copy-paste it to your the code editor, then add a reference to PDF.co Web API and you are ready to try it! Enjoy writing a code with ready-to-use sample JavaScript codes to implement PDF to image API using PDF.co Web API.

ByteScout free trial version is available for FREE download from our website. Programming tutorials along with source code samples are included.

JavaScript - ConvertPdfToPngFromUploadedFile.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");

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

// Source PDF file
const SourceFile = "./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 = "";
```

```

// 1. RETRIEVE PRESIGNED URL TO UPLOAD FILE.
getPresignedUrl(API_KEY, SourceFile)
.then(([uploadUrl, uploadedFileUrl]) => {
  // 2. UPLOAD THE FILE TO CLOUD.
  uploadFile(API_KEY, SourceFile, uploadUrl)
  .then(() => {
    // 3. CONVERT UPLOADED PDF FILE TO PNG
    convertPdfToPng(API_KEY, uploadedFileUrl, Password, Pages);
  })
  .catch(e => {
    console.log(e);
  });
})
.catch(e => {
  console.log(e);
});

function getPresignedUrl(apiKey, localFile) {
  return new Promise(resolve => {
    // Prepare request to `Get Presigned URL` API endpoint
    let queryPath = `/v1/file/upload/get-presigned-url?
contentType=application/octet-stream&name=${path.basename(SourceFile)}`;
    let reqOptions = {
      host: "api.pdf.co",
      path: encodeURI(queryPath),
      headers: { "x-api-key": API_KEY }
    };
    // 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(apiKey, 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 convertPdfToPng(apiKey, uploadedFileUrl, password, pages) {
  // Prepare URL for `PDF To PNG` API call
  var queryPath = `/v1/pdf/convert/to/png?
password=${password}&pages=${pages}&url=${uploadedFileUrl}`;
  let reqOptions = {
    host: "api.pdf.co",
    path: encodeURI(queryPath),
    method: "GET",
    headers: { "x-api-key": API_KEY }
  };
  // Send request
  https.get(reqOptions, (response) => {
    response.on("data", (d) => {
      response.setEncoding("utf8");
      // Parse JSON response
      let data = JSON.parse(d);
      if (data.error == false) {
        // Download generated PNG files
        var page = 1;
        data.urls.forEach((url) => {
          var localFileName = `./page${page}.png`;
          var file = fs.createWriteStream(localFileName);
          https.get(url, (response2) => {
            response2.pipe(file)
              .on("close", () => {
                console.log(`Generated PNG file saved as
"${localFileName}" file.`);
              });
            });
          page++;
        }, this);
      }
      else {
        // Service reported error
        console.log("readBarcodes(): " + data.message);
      }
    });
  })
  .on("error", (e) => {
    // Request error
    console.log("readBarcodes(): " + e);
  });
}

```

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