# How to generate PDF invoice from HTML template (node for HTML to PDF API in JavaScript using PDF.co Web API

## Tutorial: how to generate PDF invoice from HTML template (node for HTML to PDF API in JavaScript

The documentation is designed to help you to implement the features on your side. HTML to PDF API in JavaScript can be implemented with PDF.co Web API. PDF.co Web API is the flexible Web API that includes full set of functions from e-signature requests to data extraction, OCR, images recognition, pdf splitting and pdf splitting. Can also generate barcodes and read barcodes from images, scans and pdf.

JavaScript code samples for JavaScript developers help to speed up the application's code writing when using PDF.co Web API. For implimentation of this functionality, please copy and paste code below into your app using code editor. Then compile and run your app. Tutorials are available along with installed PDF.co Web API if you'd like to dive deeper into the topic and the details of the API.

PDF.co Web API - free trial version is on available our website. Also, there are other code samples to help you with your JavaScript application included into trial version.

JavaScript - GeneratePdfInvoiceFromHtmlTemplate.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 = "**********************************";


// HTML template
const template = "./invoice_template.html";
// Data to fill the template
const templateData = "./invoice_data.json";
// Destination PDF file name
const DestinationFile = "./result.pdf";


// Prepare request to `HTML To PDF` API endpoint
var queryPath = `/v1/pdf/convert/from/html?
name=${path.basename(DestinationFile)}&async=True`;
var reqOptions = {
    host: "api.pdf.co",
    path: encodeURI(queryPath),
```

```
    method: "POST",
    headers: {
        "x-api-key": API_KEY,
        "Content-Type": "application/json"
    }
};
var requestBody = JSON.stringify({
    "html": fs.readFileSync(template, "utf8"),
    "templateData": fs.readFileSync(templateData, "utf8")
});
// Send request
var postRequest = https.request(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!`);
            checkIfJobIsCompleted(data.jobId, data.url);
        }
        else {
            // Service reported error
            console.log(data.message);
        }
    });
}).on("error", (e) => {
    // Request error
    console.log(e);
});

// Write request data
postRequest.write(requestBody);
postRequest.end();


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 PDF file
                var file = fs.createWriteStream(DestinationFile);
```

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

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