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## How to replace text with image from PDF in JavaScript with ByteScout Cloud API Server

ByteScout Cloud API Server: the ready to use Web API Server that can be deployed in less than 30 minutes into your own in-house server 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!.

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## Source Code Files:

**app.js**



```

// Please NOTE: In this sample we're assuming Cloud Api Server is hosted at "https://l
// 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");

// 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-a
// PDF document password. Leave empty for unprotected documents.
const Password = "";
// Destination PDF file name
const DestinationFile = "./result.pdf";

// Prepare request to `Replace Text With Image from PDF` API endpoint
var queryPath = `/v1/pdf/edit/replace-text-with-image`;
// JSON payload for api request
var jsonPayload = JSON.stringify({
  name: path.basename(DestinationFile), password: Password, url: SourceFileUrl, asyn
});

var reqOptions = {
  host: "api.pdf.co",
  method: "POST",
  path: queryPath,
  headers: {
    "x-api-key": API_KEY,
    "Content-Type": "application/json",
    "Content-Length": Buffer.byteLength(jsonPayload, '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(jsonPayload);
postRequest.end();

```

```

function checkIfJobIsCompleted(jobId, resultFileUrl) {
  let queryPath = `/v1/job/check`;

  // JSON payload for api request
  let jsonPayload = JSON.stringify({
    jobid: jobId
  });

  let reqOptions = {
    host: "api.pdf.co",
    path: queryPath,
    method: "POST",
    headers: {
      "x-api-key": API_KEY,
      "Content-Type": "application/json",
      "Content-Length": Buffer.byteLength(jsonPayload, 'utf8')
    }
  };

  // Send request
  var postRequest = https.request(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 D

      if (data.status == "working") {
        // Check again after 3 seconds
        setTimeout(function () { checkIfJobIsCompleted(jobId, resultFileUrl);
      }
      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 "${DestinationFil
            });
          });
        }
        else {
          console.log(`Operation ended with status: "${data.status}".`);
        }
      }
    })
  });

  // Write request data
  postRequest.write(jsonPayload);
  postRequest.end();
}

```

## package.json

```
{
  "name": "test",
  "version": "1.0.0",
  "description": "PDF.co",
  "main": "app.js",
  "scripts": {
  },
  "keywords": [
    "pdf.co",
    "web",
    "api",
    "bytescout",
    "api"
  ],
  "author": "ByteScout & PDF.co",
  "license": "ISC",
  "dependencies": {
    "request": "^2.88.2"
  }
}
```

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## VIDEO

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

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