

## How to generate barcode (node for barcode generator API in JavaScript and ByteScout Cloud API Server)

Follow this simple tutorial to learn generate barcode (node to have barcode generator API in JavaScript)

The sample source codes on this page will show you how to create barcode generator API in JavaScript. ByteScout Cloud API Server was designed to assist barcode generator API in JavaScript. ByteScout Cloud API Server is 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!.

Use the code displayed below in your application to save a lot of time on writing and testing code. Open your JavaScript project and simply copy & paste the code and then run your app! You can use these JavaScript sample examples in one or many applications.

Trial version of ByteScout is available for free download from our website. This and other source code samples for JavaScript and other programming languages are available.

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Source Code Files:

## GenerateBarcode.js

```
// Please NOTE: In this sample we're assuming Cloud Api Server is hosted at "https://1
// 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");

// Result image file name
const DestinationFile = "./barcode.png";
// Barcode type.
const BarcodeType = "Code128";
// Barcode value
const BarcodeValue = "qweasd123456";

// Prepare request to `Barcode Generator` API endpoint
var queryPath = `/barcode/generate?name=${path.basename(DestinationFile)}&type=${BarcodeType}&value=${BarcodeValue}`;
var reqOptions = {
  host: "localhost",
  path: encodeURI(queryPath)
};

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

function checkIfJobIsCompleted(jobId, resultFileUrl) {
  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().toLocaleTimeString()}`);

if (data.status == "working") {
    // Check again after 3 seconds
    setTimeout(function(){ checkIfJobIsCompleted(jobId, res); }, 3000);
}
else if (data.status == "success") {
    // Download image file
    var file = fs.createWriteStream(DestinationFile);
    https.get(resultFileUrl, (response2) => {
        response2.pipe(file)
            .on("close", () => {
                console.log(`Generated image 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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