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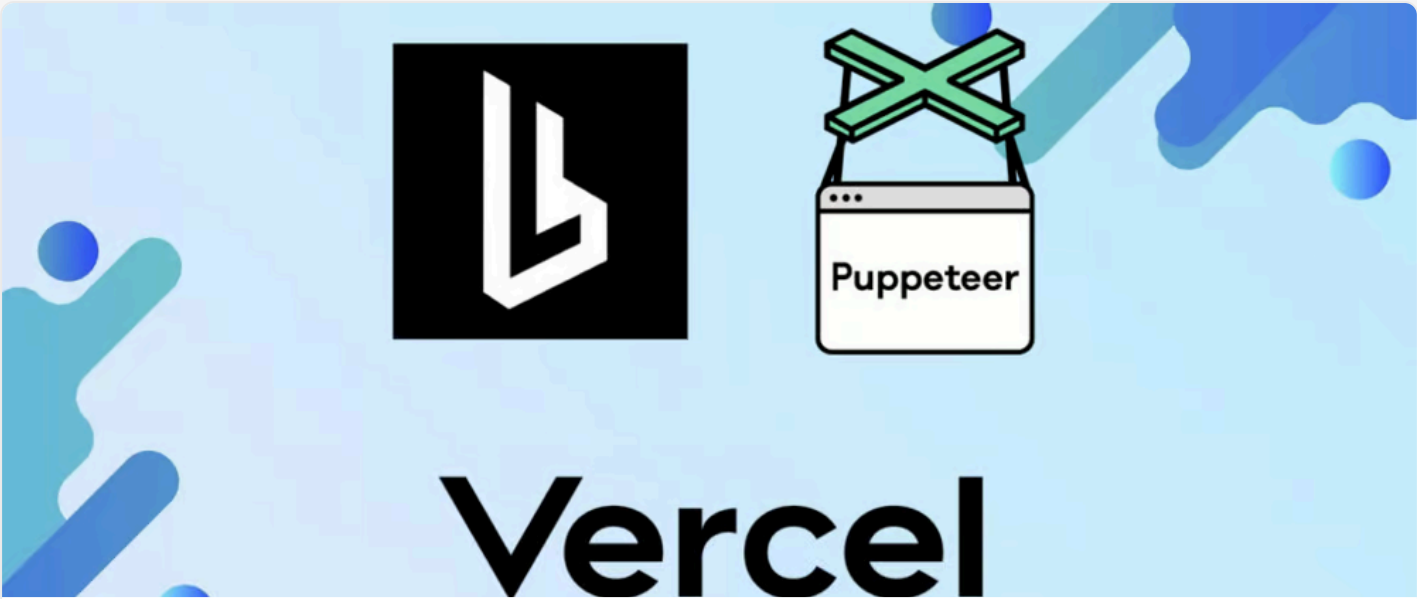**Joel Griffith**
Posted on 17 de abr. de 2023

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# Vercel + Puppeteer

#puppeteer    #vercel    #nextjs    #browserless

Vercel is the platform for frontend developers, providing the speed and

- You should be somewhat familiar with how environment variables work in NextJS to properly store secrets. [Feel free to read more here](#).
- For the purpose of this blogpost we'll create a basic route that generates a PDF of a URL. Feel free to alter this, but it'll be enough to get you started!

## Setting up Puppeteer for Vercel

To get started, create a new Next.js application through the CLI:

```
$ npx create-next-app@latest
```

This command will create your basic "Hello World" app and then exit. For NextJS apps in particular, you'll likely have a "pages" directory with an "api" folder as well. This is where we'll be spending most of our time since our functionality is created inside the NodeJS environment.

Once your application is set up then we'll also install Puppeteer. We'll opt for the 'puppeteer-core' module to avoid the first issue in Vercel: **the 50MB file-size limit**. Puppeteer by default ships with headless Chrome bundled together, which is easily over 50MB in size. By using 'puppeteer-core' we can get around this by only having puppeteer's code installed and not the

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```
    }

    export default async function handler(
      req: NextApiRequest,
      res: NextApiResponse<Json | Buffer>
    ) {
      const { searchParams } = new URL(
        req.url as string,
        `http://${req.headers.host}`
      )
      const url = searchParams.get('url')

      if (!url) {
        return res
          .status(400)
          .json({ message: `A ?url query-parameter is required` })
      }

      const browser = await puppeteer.connect({
        browserWSEndpoint: `wss://chrome.browserless.io?token=${proce
      })

      const page = await browser.newPage()
      await page.setViewport({ width: 1920, height: 1080 })
      await page.goto(url)
```

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# Making puppeteer work on Vercel with browserless

The reason we're able to get puppeteer and Chrome working on Vercel is by avoiding having to download and run Chrome inside of our Vercel app. Separating your puppeteer code from Chrome is actually a great best practice as it cleanly separates Chrome from your application code.

In order to connect to browserless and use headless Chrome you'll need to get an API token. [We offer free accounts with no credit card required here](#). Once you have your API key, you'll want to create an env.local file with it:

```
# Browserless Token
BLESS_TOKEN=YOUR-API-KEY-HERE
```

Now that that's set up, let's start our application and visit the route to see if it works properly. From the root of the project, run the following command. You'll want to restart this as any environment variable changes do require a restart of the dev server:

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This will prompt you for a few options, but we'll want to deploy from GitHub. After adding access here's the permissions and screen grab of our GitHub selection:

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Once in you'll click "Add" then "Deploy." After a few seconds your page should load and display their "Hello World" Screen since we never altered it:

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gist.github.com/hajek-raven/d05204...

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