How to Use Fly.IO to build and deploy Node Apps
(Node already installed on machine)

Flyctl installation

 macOS

If you have the Homebrew package manager installed, flyctl can be installed by running:

```
$ brew install flyctl
```

1. If using Mac, make sure you have home-brew installed and use above command for other platforms, please check installation documentation for flyctl at fly.io
2. fly.io is NOT free, they charge $5 / month, but you deploy several of Node or Python projects to show case. Good site for showcasing your work and cheap.
3. Before you start MAKE sure you have paid otherwise this will not work.

Packet initialization

```
(base) aryatrivedi@MacBook-Air ~ % mkdir NodeHelloWorldUsingFlyIO
(base) aryatrivedi@MacBook-Air ~ % cd NodeHelloWorldUsingFlyIO
(base) aryatrivedi@MacBook-Air NodeHelloWorldUsingFlyIO % ls
(base) aryatrivedi@MacBook-Air NodeHelloWorldUsingFlyIO % npm init
This utility will walk you through creating a package.json file.
It only covers the most common items, and tries to guess sensible defaults.
```

1. Create a directory
2. Go to the directory
3. Use npm.init inside the directory (this will default to index.js as entry file)

Create index.js and simple hello world on port 3000, default Node.

```
(base) aryatrivedi@MacBook-Air NodeHelloWorldUsingFlyIO % vi index.js

var http = require('http');

http.createServer(function (req, res) {
  res.writeHead(200, {'Content-Type': 'text/html'});
  res.end('<h1>Hello World!</h1>');
}).listen(3000);
```

1. Open or create index.js file in the root folder of the directory
2. Copy the basic code as shown
3. Run command 'fly launch' from the root folder

Fly Launch Screen

Fly Launch

Basics

Basics

Region

Services

Memory

Database

Object Storage

Redis

Sentry

App name

nodehelloworldusingflyio

Organization

Personal ⌄

Region

Details on Regions.
* for Launch Plan or higher

Region

dfw - Dallas, Texas (US) ⌄

Services

HTTP, etc. Details on Services.

Port ⓘ

3000

Confirm Settings
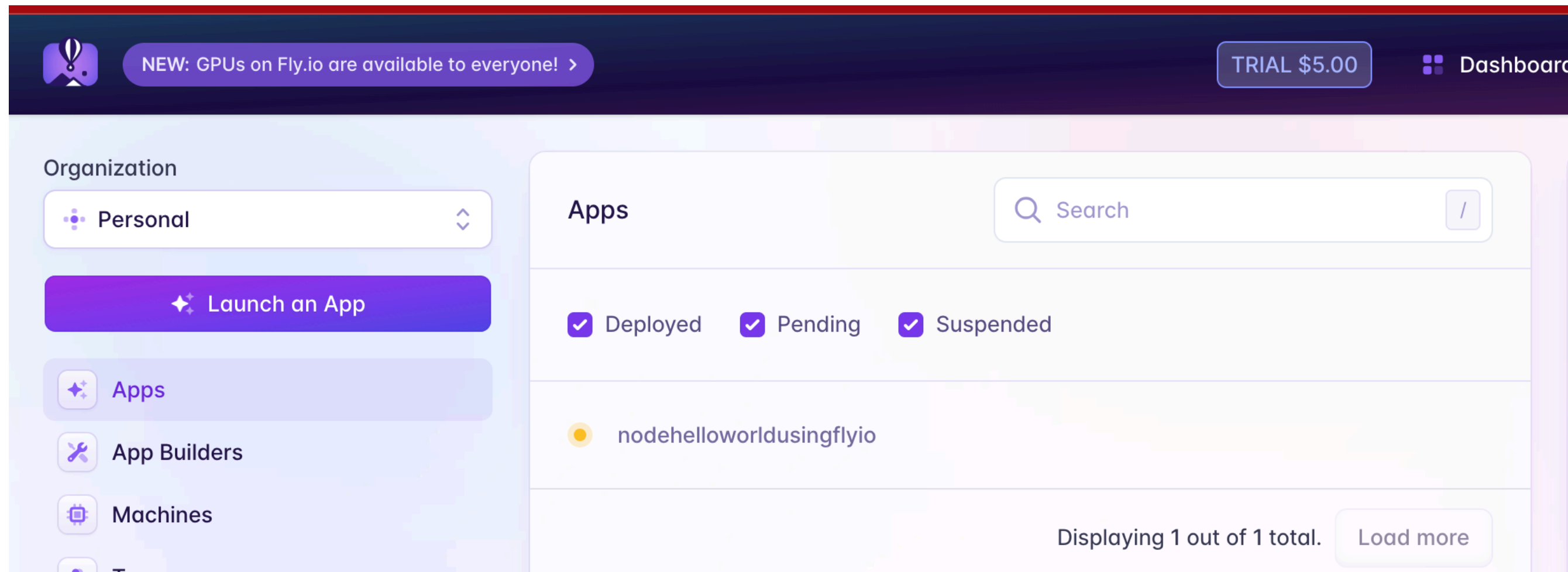
Sentry

More on
Application Monitoring by Sentry.

Add Extension

Enabled ⌄

By opting in to Sentry, you agree to Fly.io Supplemental Terms, the Sentry Terms of Service and Sentry Privacy Policy.

Fly Launch will open a web browser tab, on this make sure port is 3000 and not 8080, as default port for node apps is 3000.

Enable Sentry to see deployment, not necessary.

In the commond prompt, use

'fly deploy' command, this will deploy the application on your fly.io account.

Fly Dashboard and Checking your App.

Once the application is deployed, you can go to fly.io dashboard and see if the app is successfully deployed.

If deployed, it will show you a URL that you can go and share with others to showcase your newly developed node app!

Viola!!!

Hello World!

Thank you !!!