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EXPRESSJS-ON-GOOGLE-APP-ENGINE

Run Express.js on Google App Engine Flexible Environment

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Express.js

Express (http://expressjs.com) is a minimal and flexible Node.js web application framework that provides a robust set of features for web and mobile applications.

– expressjs.com

You can check out Node.js and Google Cloud Platform
(/community/tutorials/running-nodejs-on-google-cloud) to get an overview of Node.js
itself and learn ways to run Node.js apps on Google Cloud Platform.

Prerequisites

1. Create a project in the Google Cloud Platform Console
   (https://console.cloud.google.com/).

2. Enable billing for your project.

3. Install the Google Cloud SDK (/sdk).

4. Install Node.js (https://nodejs.org/en/download/) on your local machine.

Prepare

1. Initialize a `package.json` file with the following command:

```
npm init
```

2. Add a start script to your `package.json` file:

```
"scripts": {
    "start": "node index.js"
}
```

3. Install Express.js:

```
npm install --save express
```

Create

Create an `index.js` file with the following contents:

```
const express = require('express');
const app = express();

app.get('/', (req, res) => {
  res.send('Hello World!');
});

const server = app.listen(8080, () => {
  const host = server.address().address;
  const port = server.address().port;

  console.log(`Example app listening at http://${host}:${port}`);
});
```

Run

1. Run the app with the following command:

   ```
   npm start
   ```

2. Visit http://localhost:8080 (http://localhost:8080) to see the `Hello World!` message.

Deploy

1. Create an `app.yaml` file with the following contents:

   ```
   runtime: nodejs
   env: flex
   ```

2. Run the following command to deploy your app:

```
gcloud app deploy
```

3. Visit `http://YOUR_PROJECT_ID.appspot.com` to see the `Hello World!` message.

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