Electron

Build a Desktop App with JavaScript

JavaScript

JavaScript

Browser

Node.js

JavaScript

Browser

Node.js
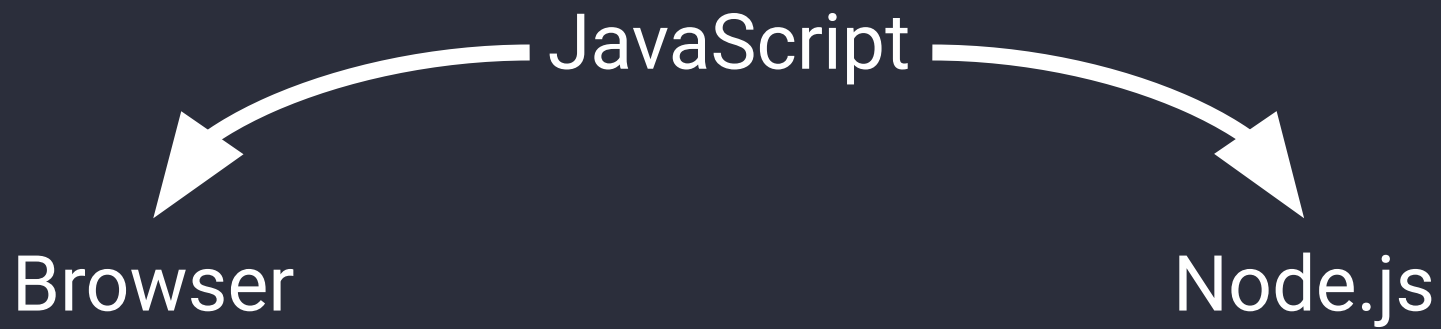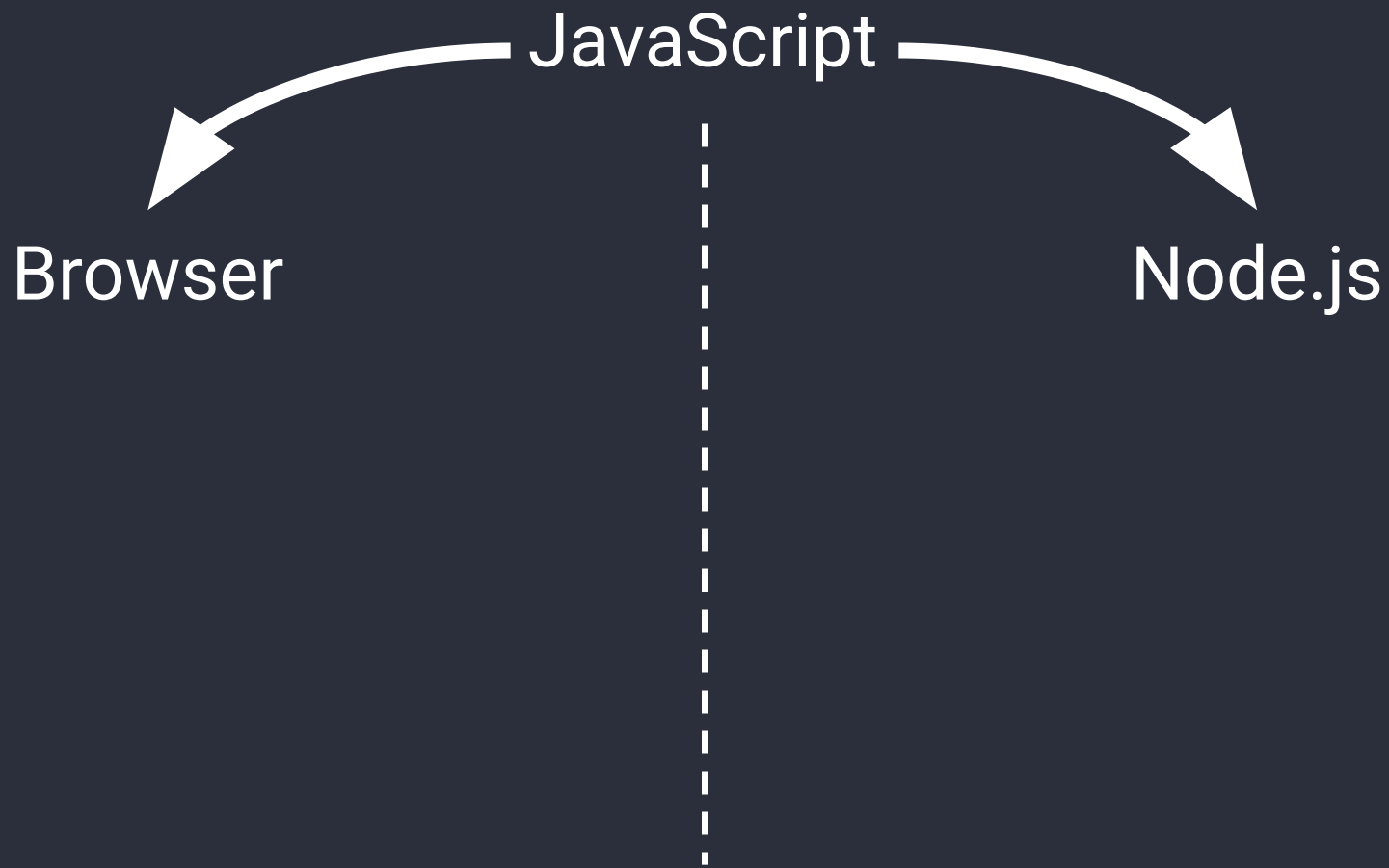
Browser JavaScript

CAN

- Display HTML, styled with CSS
- Run safe JavaScript code
- Request full screen
- Ask you to install to your home screen / desktop
- Work offline
- Limited access to local network
- Limited offline data storage options
- Device access with permission: Get location, use web camera, play audio and video, vibrate, use bluetooth

CANNOT

- Save files to other folders
- Fully inspect the local network
- Limited control of window sizing
- Run OS commands
- Save data more persistently
- Have native menus, task bar icons, and other desktop app features
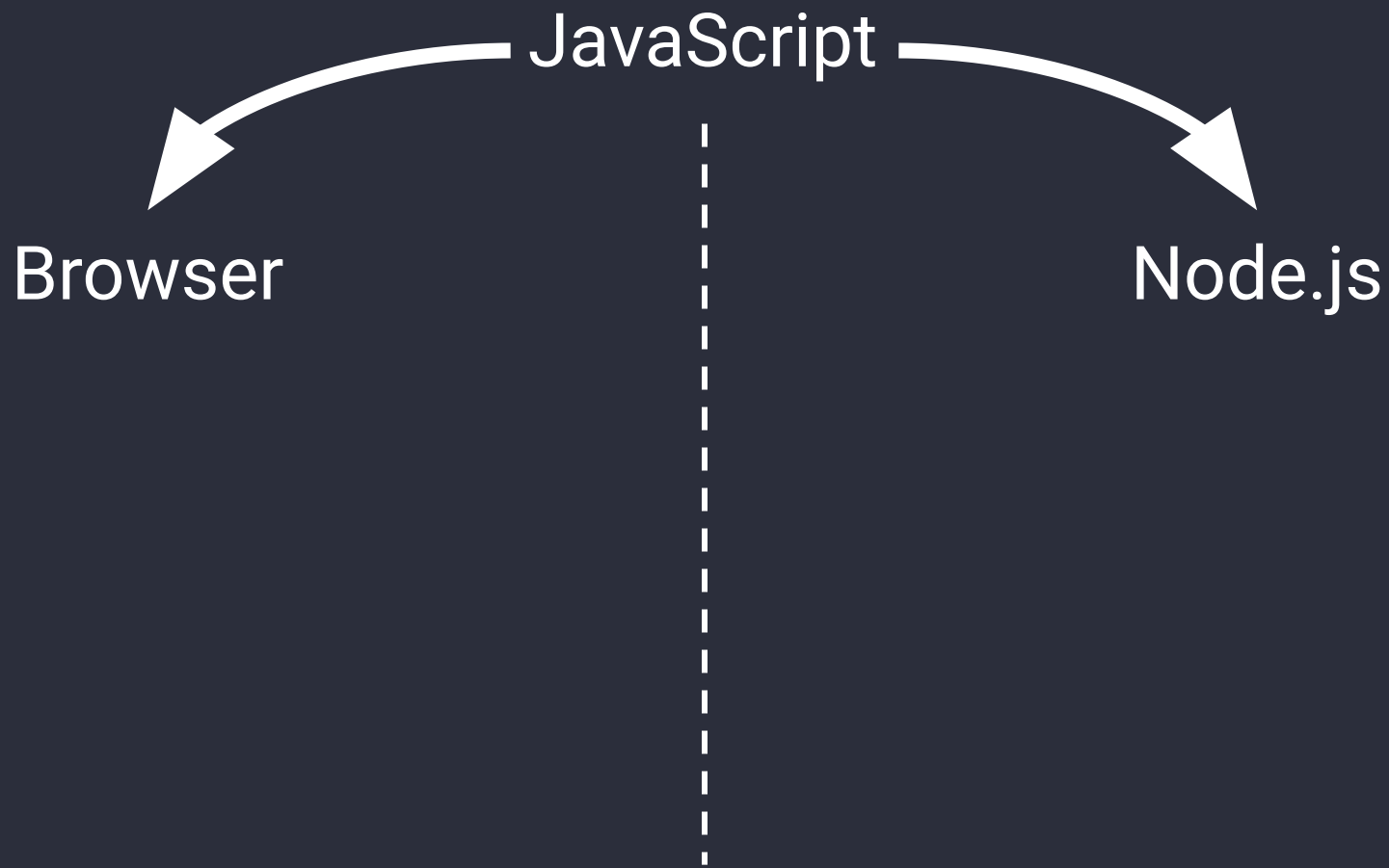- Use app store subscription APIs (in-app purchases)

Node.js JavaScript

CAN

- Save files to other folders
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CANNOT

- Display a user interface (at least not directly)

JavaScript

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Node.js

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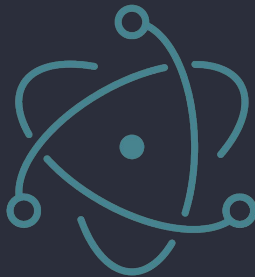- Save data more persistently

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Electron

Allows you to write:

- HTML
- CSS
- Browser JavaScript
- Node.js JavaScript
- Desktop app configuration

All in the same project.

Then build a desktop app for any operating system, complete with installer packages.

Electron

https://www.electronjs.org/

https://www.electronforge.io/

Let's build a desktop app!