

Javascript

its new natural habitat
everywhere

“... It’s a rather large C project actually ...”

Ryan Dahl, 2009

<https://youtu.be/ztspvPYybIY?t=7>

Node

Your Javascript code

application

system

V8 compiler



libuv



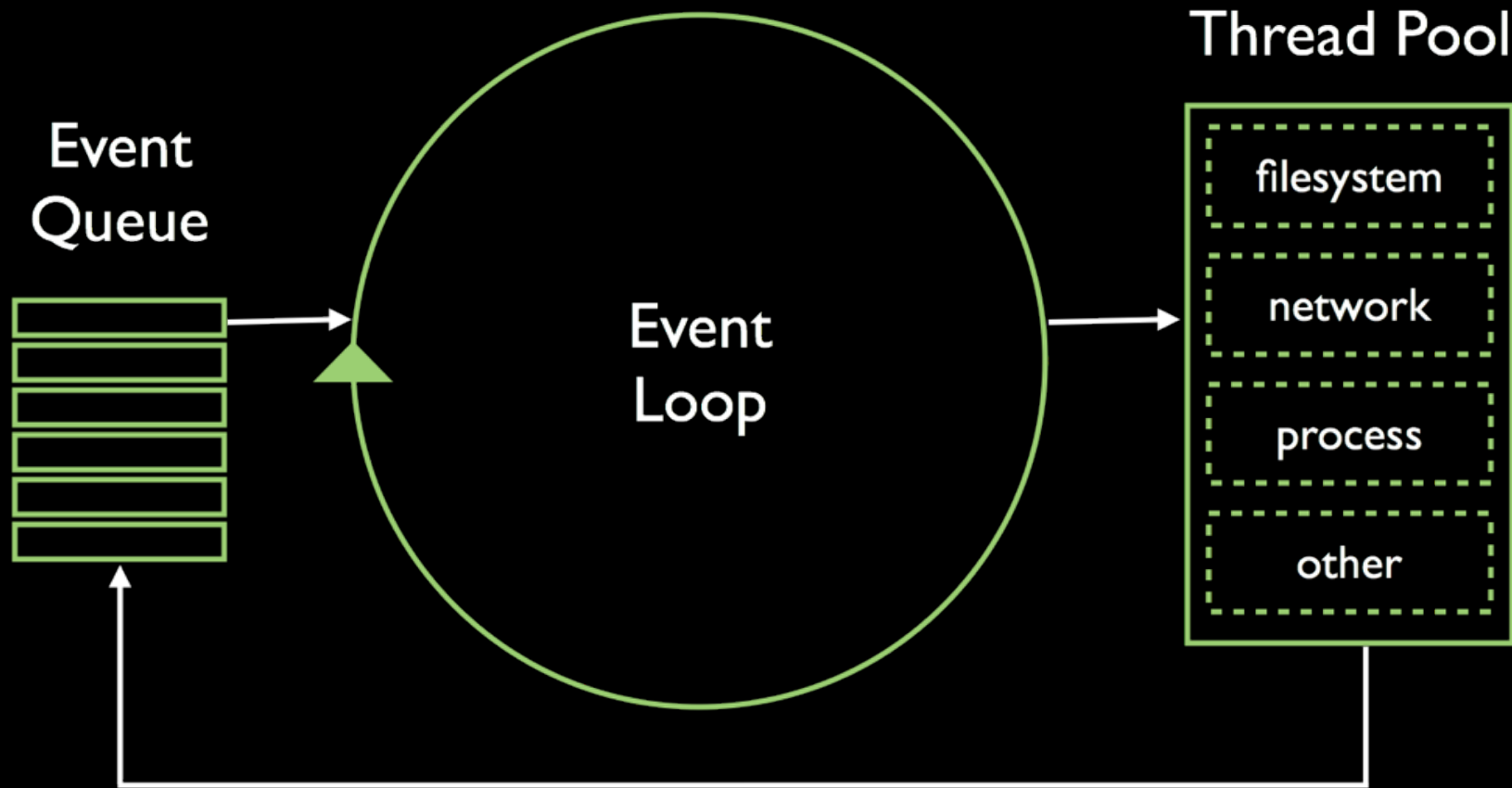
demo

- node01/process_hello.js
- node02/console_hello.js
- node03/report.js

IO: relative speeds

- *if* processor = 1 second
- then disk = days
- network = weeks

1: Event Loop



demo

- node04/directory_listing.js
- node05/directory_listing_X.js



Keynote - Everything You Need to Know About Node.js Event Loop

Bert Belder, IBM

0:02 / 15:41



<https://www.youtube.com/watch?v=PNa9OMajw9w>

<https://medium.com/the-node-js-collection/what-you-should-know-to-really-understand-the-node-js-event-loop-and-its-metrics-c4907b19da4c>

2: Modules

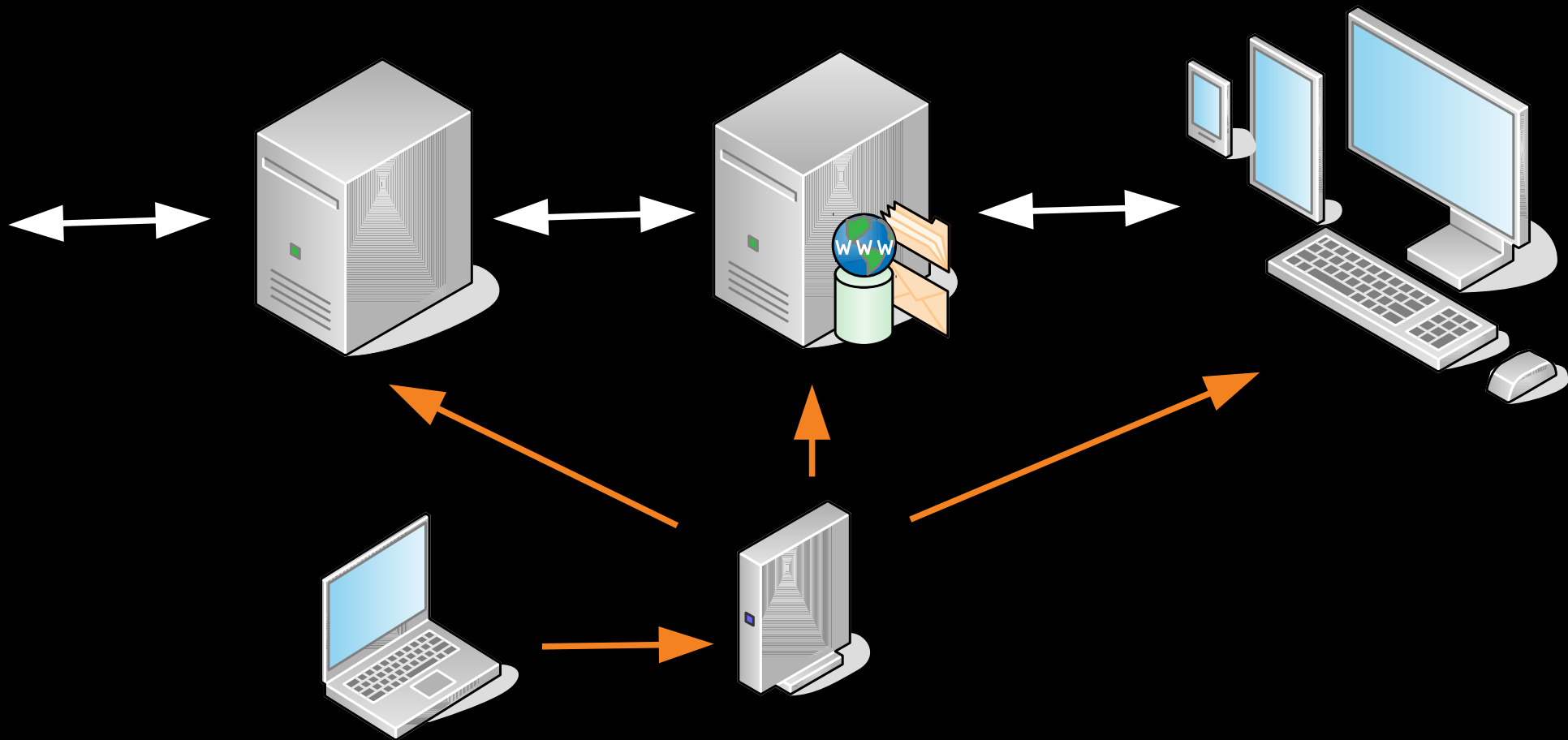
- `node02/console_hello.js`
- `node02a/console_hello.js`
- `node04/directory_listing.js`

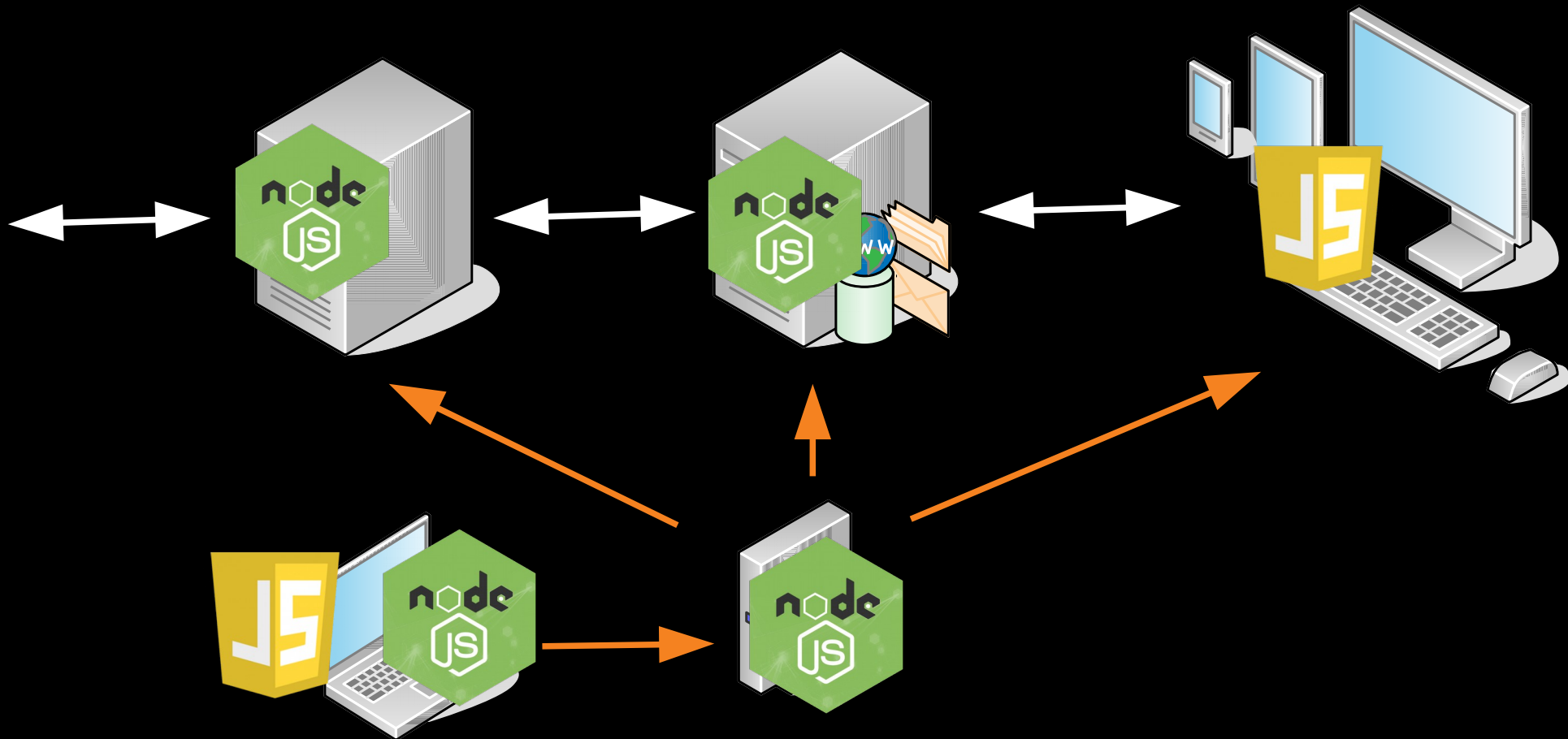
3: Node Package Manager (npm)

- `node06/server.js`

- Javascript : a reasonable application language
- a container that bridges system and application programming
- event loop : a structured programming model
- common.js / es6 : built-in modularisation
- npm : huge library of easily used components

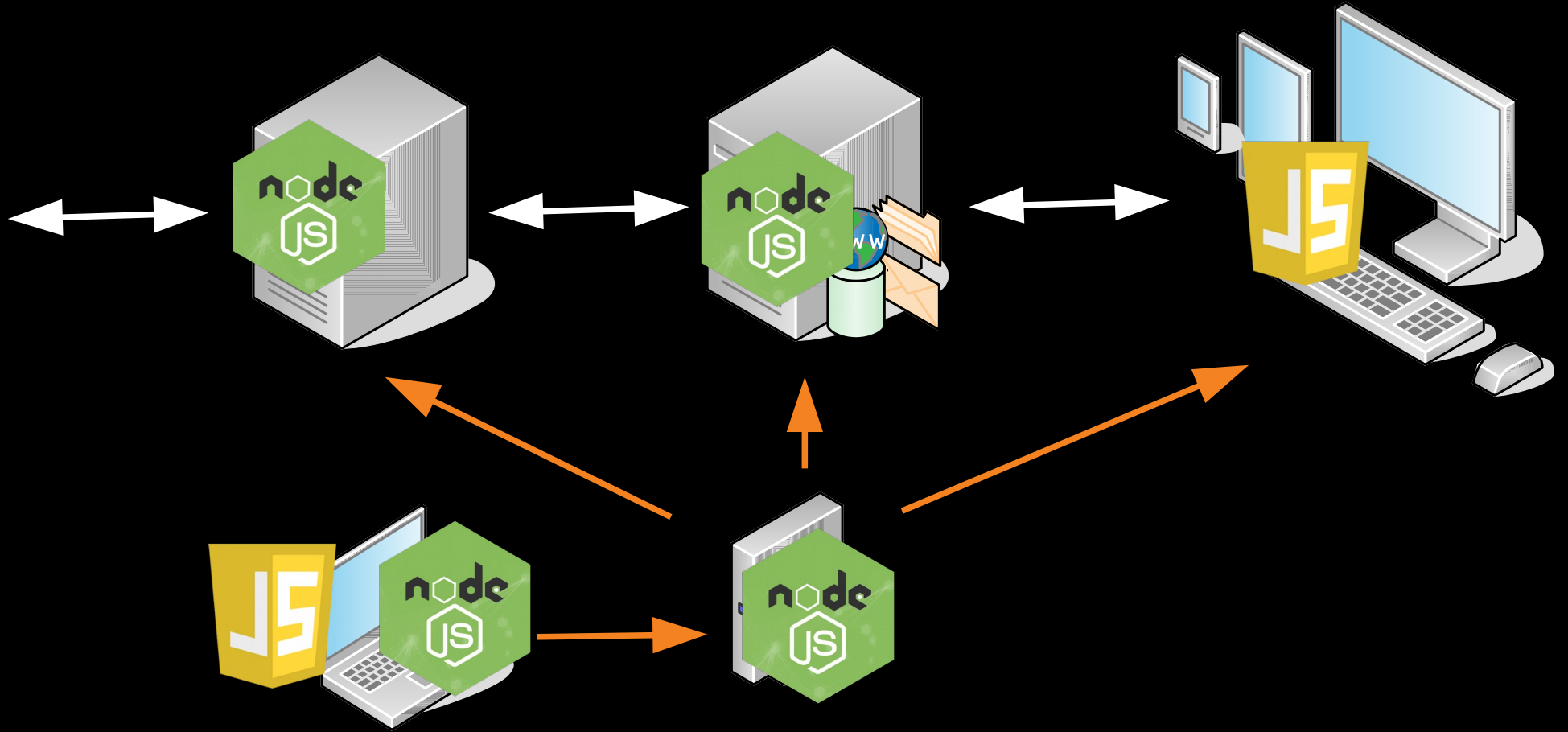
=> Productivity





Javascript

its new natural habitat
everywhere



Thank You

<https://www.surveymonkey.com/r/GXLDBNC>