The Embedder's POV

Shelley Vohr
@codebytere

WHAT DOES THAT MEAN?

Method 1

node::Start and node::Init

Method 2

node::CreateIsolateData() + node::CreateEnvironment() + node::LoadEnvironment()

- Added responsibility for creating the V8 isolate and context, the libuv event loop, and more
- Allows for precise control over every step

Balancing Changes

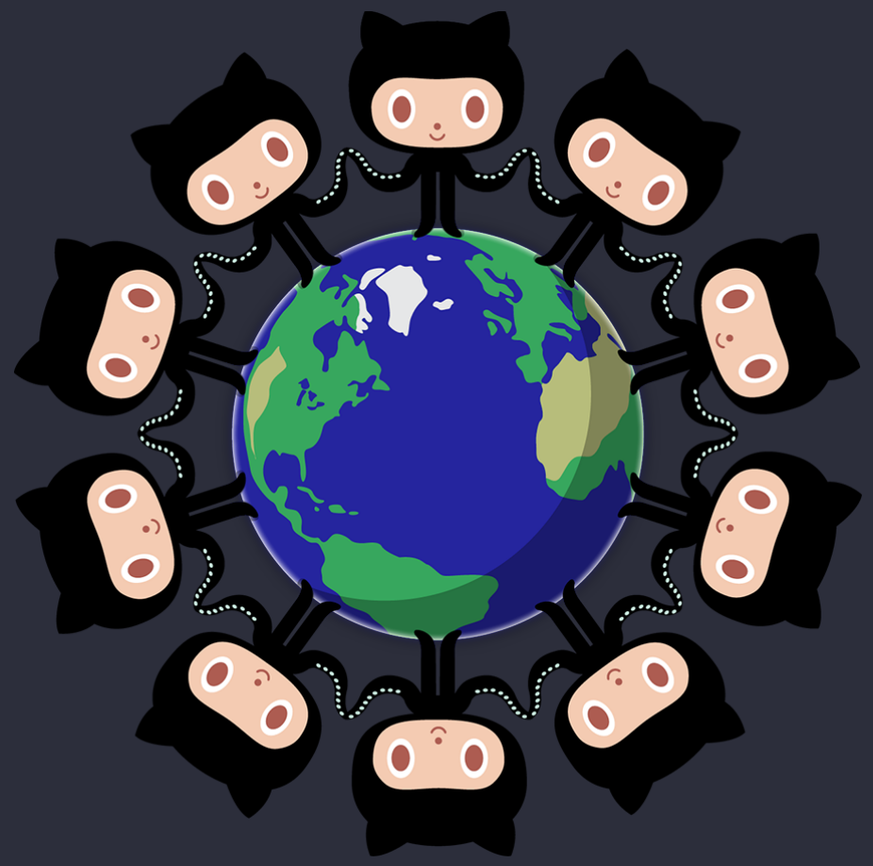
What should be upstreamed?

What shouldn’t?

How can we generalize our use case(s)?

GN

CMake



Ninja

Bazel

Build Systems

GYP

Make

Versioning

Chromium

NodeJS

V8

Versioning

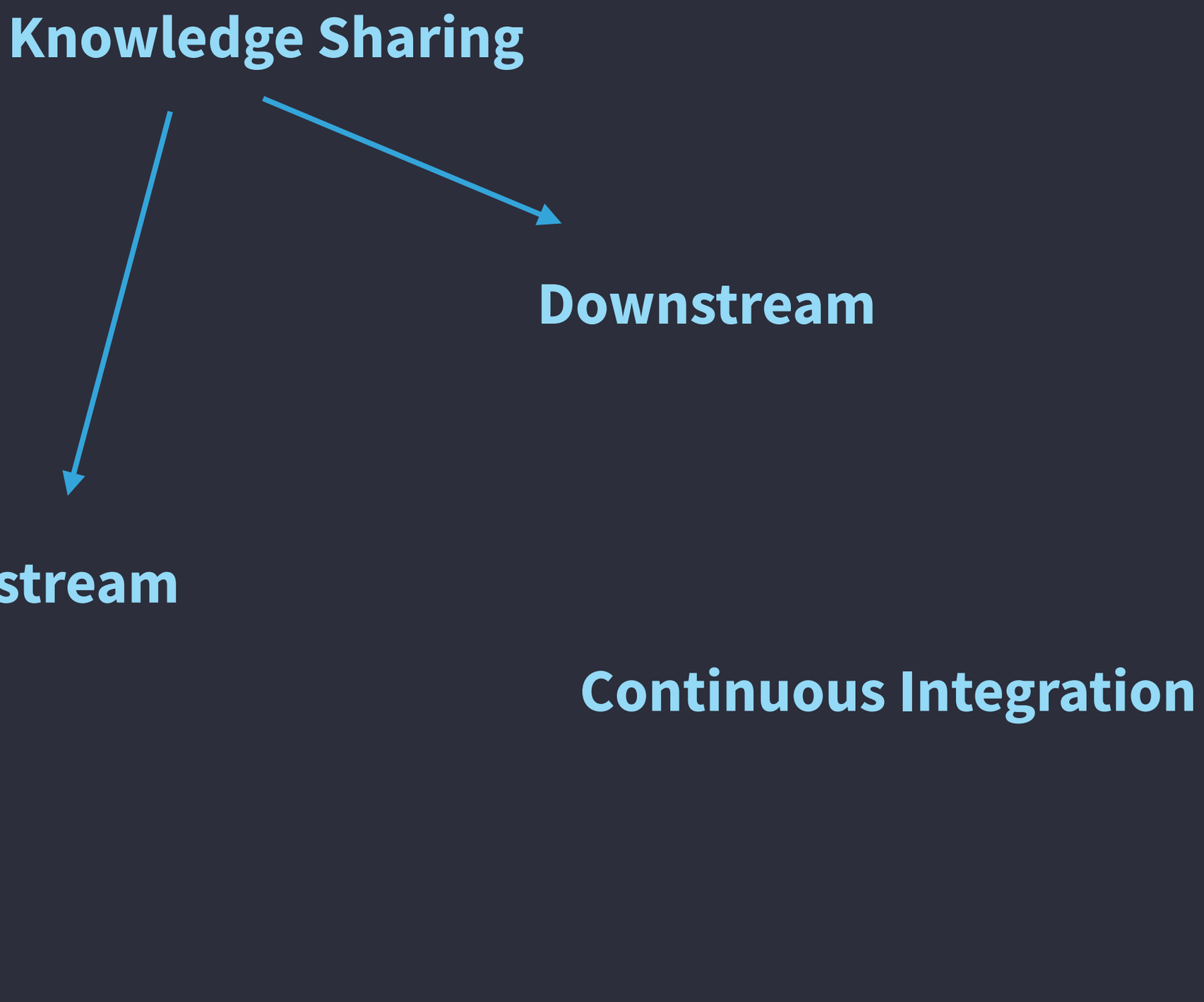
Chromium

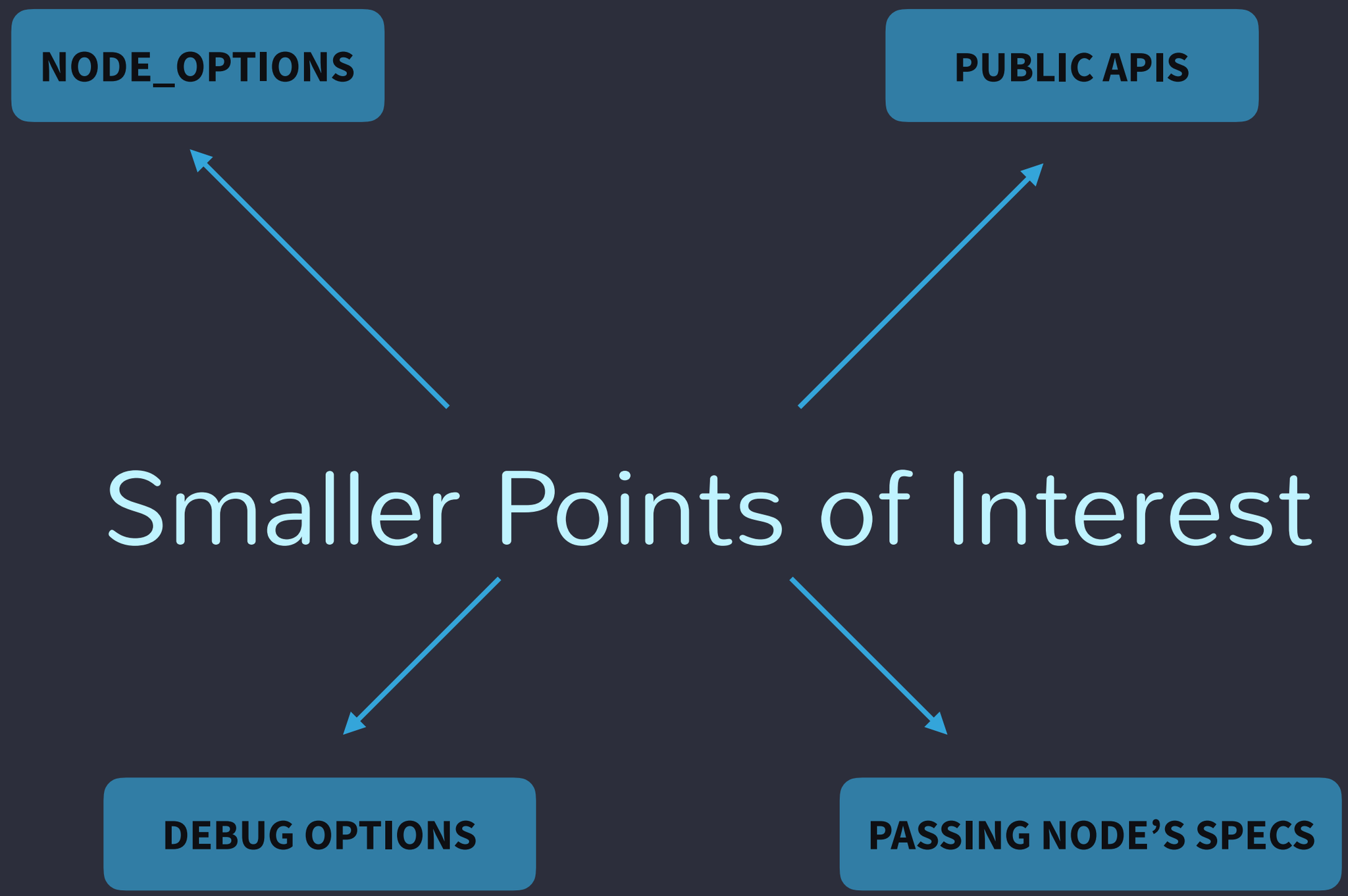
V8

NodeJS

	1-7-x	1-8-x	2-0-x	3-0-x	4-0-x
Chromium	`v58.0.3029.110`	`v59.0.3071.115`	`v61.0.3163.100`	`v66.0.3359.181`	`v69.0.3497.106`
Node	`v7.9.0`	`v8.2.1`	`v8.9.3`	`v10.2.0`	`v10.11.0`
V8	`v5.5.372.40`	`v5.8.283.38`	`v6.1.534.36`	`v6.6.346.23`	`v6.9.427.24`

Preventing Breakage




NODE_OPTIONS
PUBLIC APIS
Smaller Points of Interest
DEBUG OPTIONS
PASSING NODE'S SPECS

THANK YOU!