

This.dot State of JS Frameworks Update



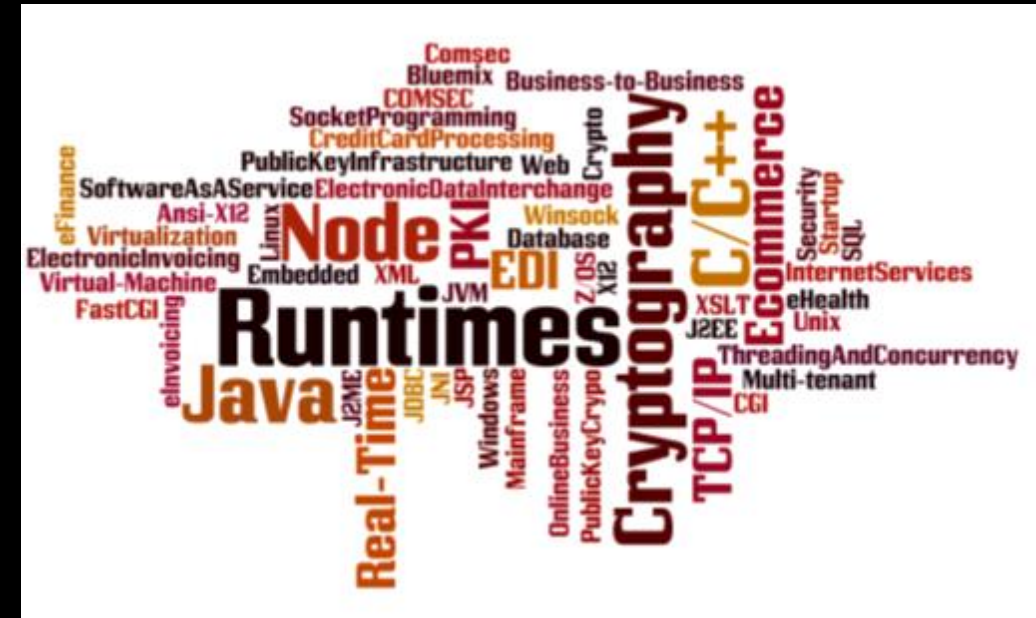
Michael Dawson @ IBM

About Michael Dawson

IBM Community Lead for Node.js



- Active Node.js community member
 - Collaborator
 - Node.js Technical Steering Committee TSC Chair
 - Community Committee member
 - Involved in many Working group(s)/Teams
-
- Twitter: @mhdawson1
 - GitHub: @mhdawson
 - Linkedin: <https://www.linkedin.com/in/michael-dawson-6051282>



Releases

- Node.js 10.X becomes **LTS** – Oct 30 !
 - Performance
 - npm 6.4
 - http/2
 - N-API (support across all LTS release lines)
- Node.js 11.X – Current - Oct 23 !
 - V8 version 7.0
- Node.js 12.X – April 2019
- Node.js 6.X EOL – April 2019

<https://medium.com/@nodejs/october-brings-node-js-10-x-to-lts-and-node-js-11-to-current-ae19f8f12b51>

Node.js 10.X - Performance

node-dc-eis Ops/s[higher is better](master) Latest result: 1516
node-dc-eis Ops/s[higher is better](10.x) Latest result: 1568
node-dc-eis Ops/s[higher is better](6.x) Latest result: 833
node-dc-eis Ops/s[higher is better](8.x) Latest result: 1196
node-dc-eis Ops/s[higher is better](canary) Latest result: 0



Key New Features

- **N-API - SIMPLIFYING NODE.JS DEVELOPMENT AND DEPLOYMENT!**

- Available in all LTS releases
- Stable in 10.X, 8.X, (doc only experimental in 6.X)

<https://github.com/nodejs/abi-stable-node> <https://github.com/nodejs/node-addon-api>

- HTTP/2

- Request/Response Multiplexing
- Efficient compression
- Server push

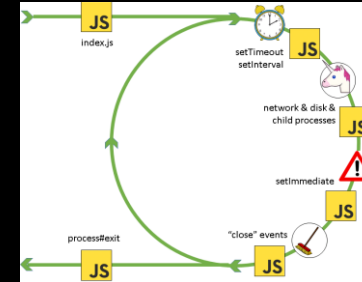
<https://blog.risingstack.com/node-js-http-2-push/>

- Open SSL 1.1.0

- Planned for 1.1.1 in 10.X
- Unfortunately TLS 1.3 is not guaranteed

Features In Progress

- Workers
 - Experimental in Core
- Modules
- Core Promise APIs
 - Experimental in core (ex fs)
 - Validate approach
- Async Hooks
 - Experimental in core
 - Formalization of terminology



Many Thanks to:
[@addaleax](#)

<https://github.com/nodejs/modules>

https://nodejs.org/api/fs.html#fs_fs_promises_api

<https://github.com/nodejs/diagnostics/tree/master/async-context/slide-decks>

But its not only about Features

- Community Committee
 - Board representation
- Teams and Working Groups and Strategic Initiatives
 - Website re-design
 - Mentoring
 - User Feedback
 - Internationalization
 - Security
 - Diagnostics
 - Build
 - Automation
 - Benchmarking
 - Release
 - Application Showcase

Building the Safety Net
Growing Involvement
Leveraging better information
Supporting our end users
Makings things easier

<https://github.com/nodejs/TSC/blob/master/Strategic-Initiatives.md>

<https://github.com/nodejs/community-committee/blob/master/STRATEGIC-INITIATIVES.md>

Governance

- Intent to merge
 - <https://medium.com/@nodejs/the-node-js-foundation-and-js-foundation-announce-an-intent-to-merge-a-message-from-the-boards-8a2e4a5cbd2b>
 - <https://github.com/nodejs/bootstrap>

So What's Next?



It's what YOU make it!

Meet us in GitHub and help us create it



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