npm Enterprise facilitates quality code development and reuse at DocuSign

DocuSign®

DocuSign® is changing how business gets done by empowering more than 100,000 companies and 50 million users in 188 countries to sign, send and manage documents anytime, anywhere, on any device, with confidence.

200+ developers globally

Development Languages

Node.js | AngularJS | JavaScript

The challenge

DocuSign makes extensive use of Node.js in its software, including the product's front end, partner integrations, and Chrome extensions. Before deploying npm Enterprise, developers would check their Node.js modules directly into the company's source control system. This workflow proved to be very cumbersome for the team. "It took forever to check anything out because there were so many files," says CJ Winslow, a software engineer working on internal tools at DocuSign.

The solution

After conducting research and completing a review by its security team, Winslow's team installed npm Enterprise. The DocuSign security team played an active role in the evaluation, citing the value of having all their modules managed in a single instance as a deciding factor. All of its internal Node.js modules reside in the private registry, while the DocuSign SDK is available through the public registry.

npm
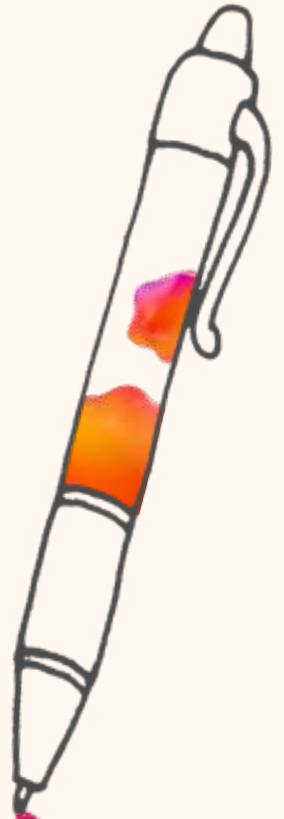
To learn more, visit www.npmjs.com/enterprise

Seamless experience driving more JavaScript adoption

npm Enterprise is one of the reasons that DocuSign has seen an increase in JavaScript adoption. Winslow reports that it took minimal effort to get npm Enterprise running at DocuSign and that developers use the same processes they did in the past.

Higher code quality

One of the most important benefits of using npm Enterprise is higher code quality. "By breaking out small pieces of code, you're forced to add more tests and create a dependable piece of machinery that may have otherwise gone unnoticed in a giant codebase," Winslow remarks. "npm Enterprise helps spread the skills you would use in the open source world, good practices like semantic versioning."

Creating an environment for reuse

Finally, npm Enterprise has helped DocuSign move down the reusability path. The company is currently splitting one codebase into four separate ones, with specific pieces that will be extracted, polished, and unit tested. According to Winslow, npm Enterprise facilitates an "internal open source model" where developers are engaged in reviewing other people's code and actively improving it. "This is where npm Enterprise will shine for us."
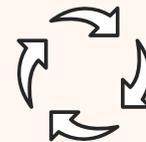
Better code, faster.

Private module management increased JavaScript adoption.

Open source practices such as breaking out smaller pieces of code have improved code quality.

Emerging best practices are creating an environment where developers can reuse more code.

It's just like working in open source. Seeing your own packages right there, not hiding out in the ether behind some command line, really helps.

—CJ Winslow

Software Engineer

npm

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