

3-361

Using **Node.js** with Visual Studio and Azure

Tim Park, Microsoft

@timpark



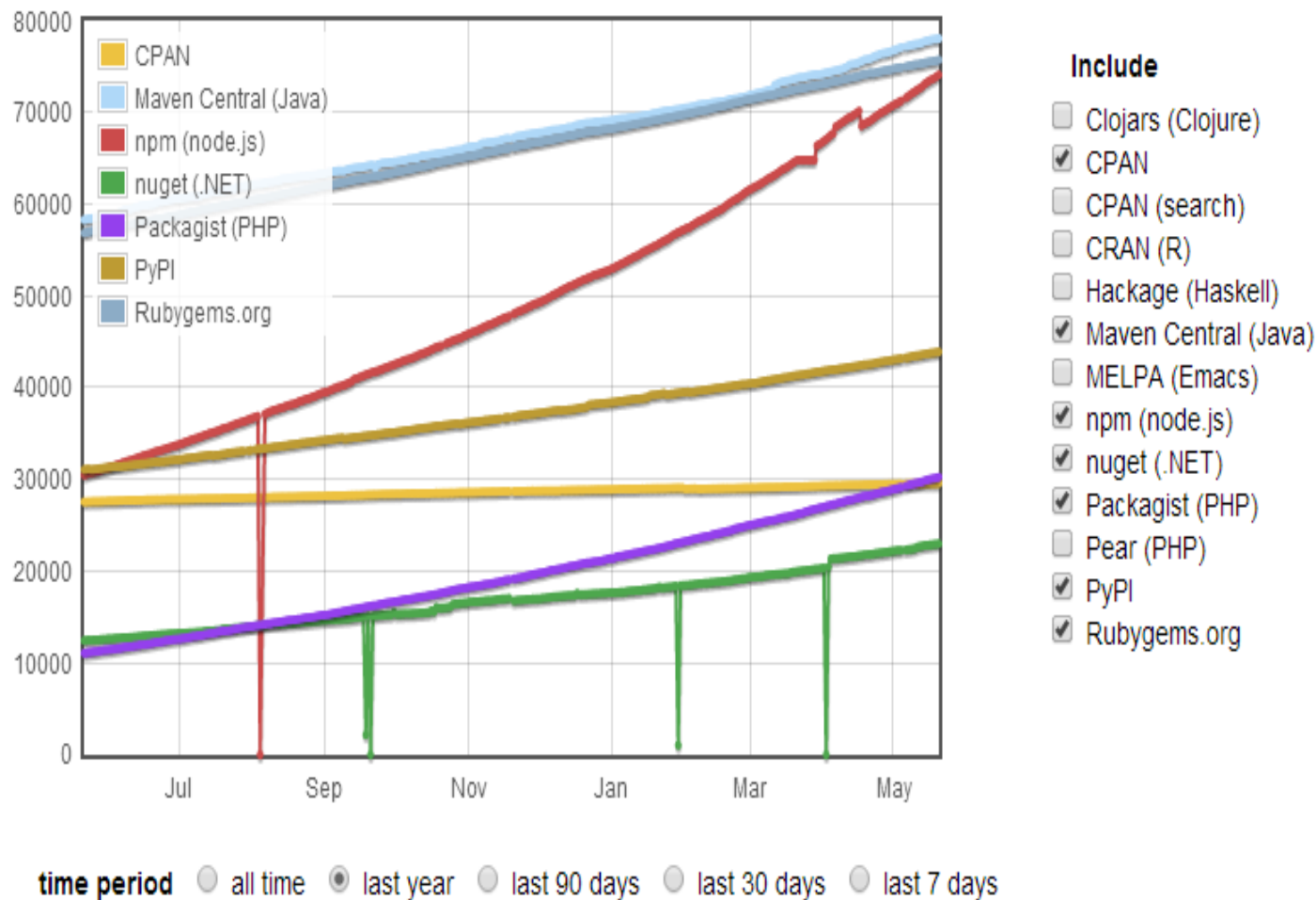
Why Node.js?

- JavaScript everywhere appeals to you
- Like an async development model
- Have a very concurrent use case (I/O)
- Free & open source
- Cross-platform
- Lots of high quality packages
- Vibrant community



Node.js Ecosystem

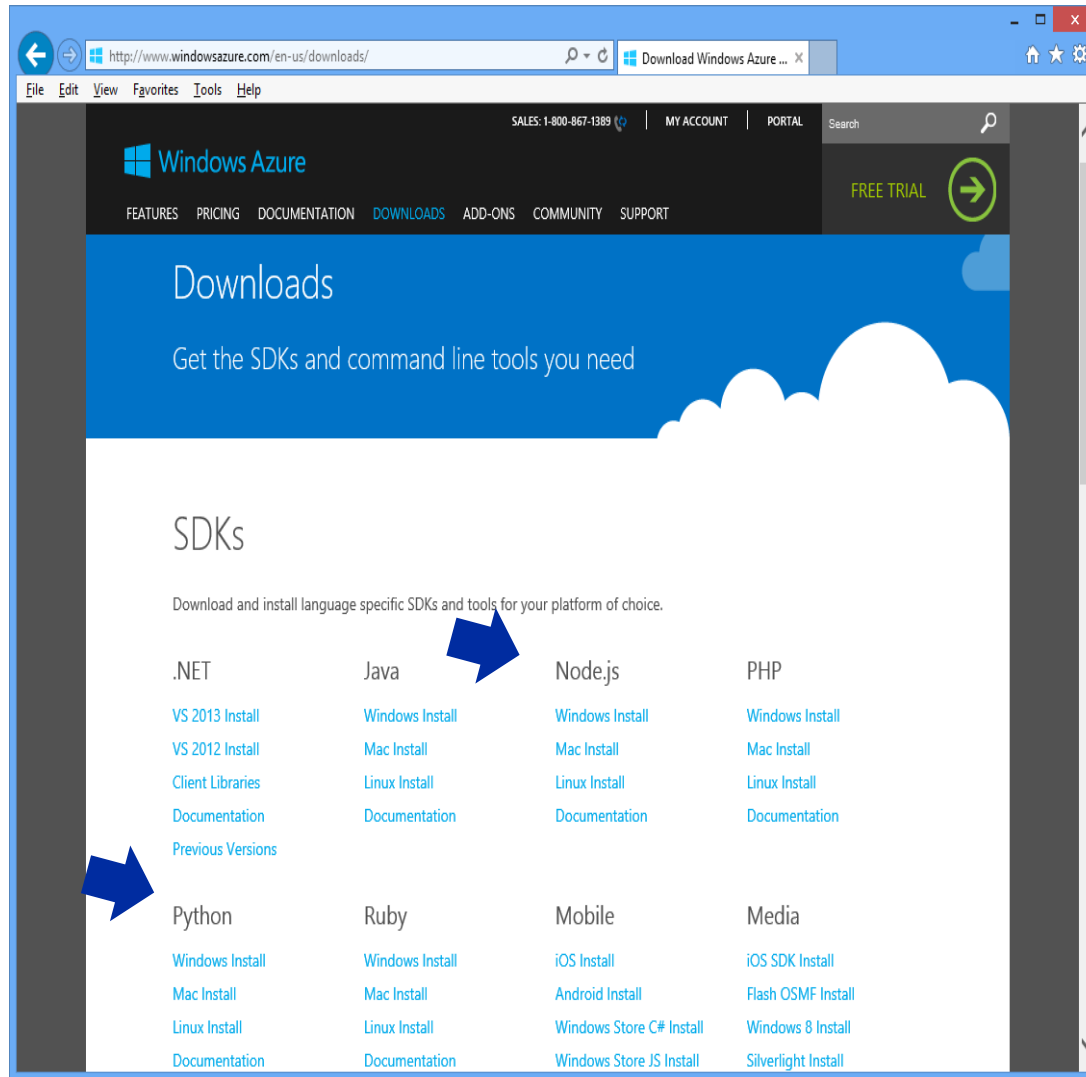
Module Counts



In the wild

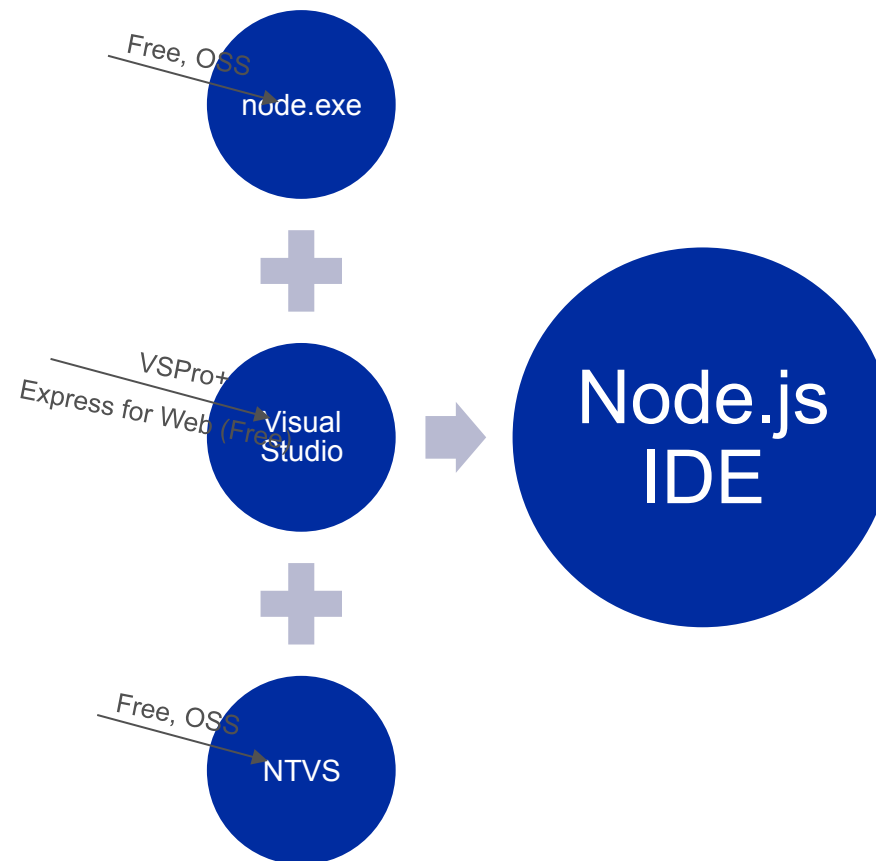


1st class citizen of Azure



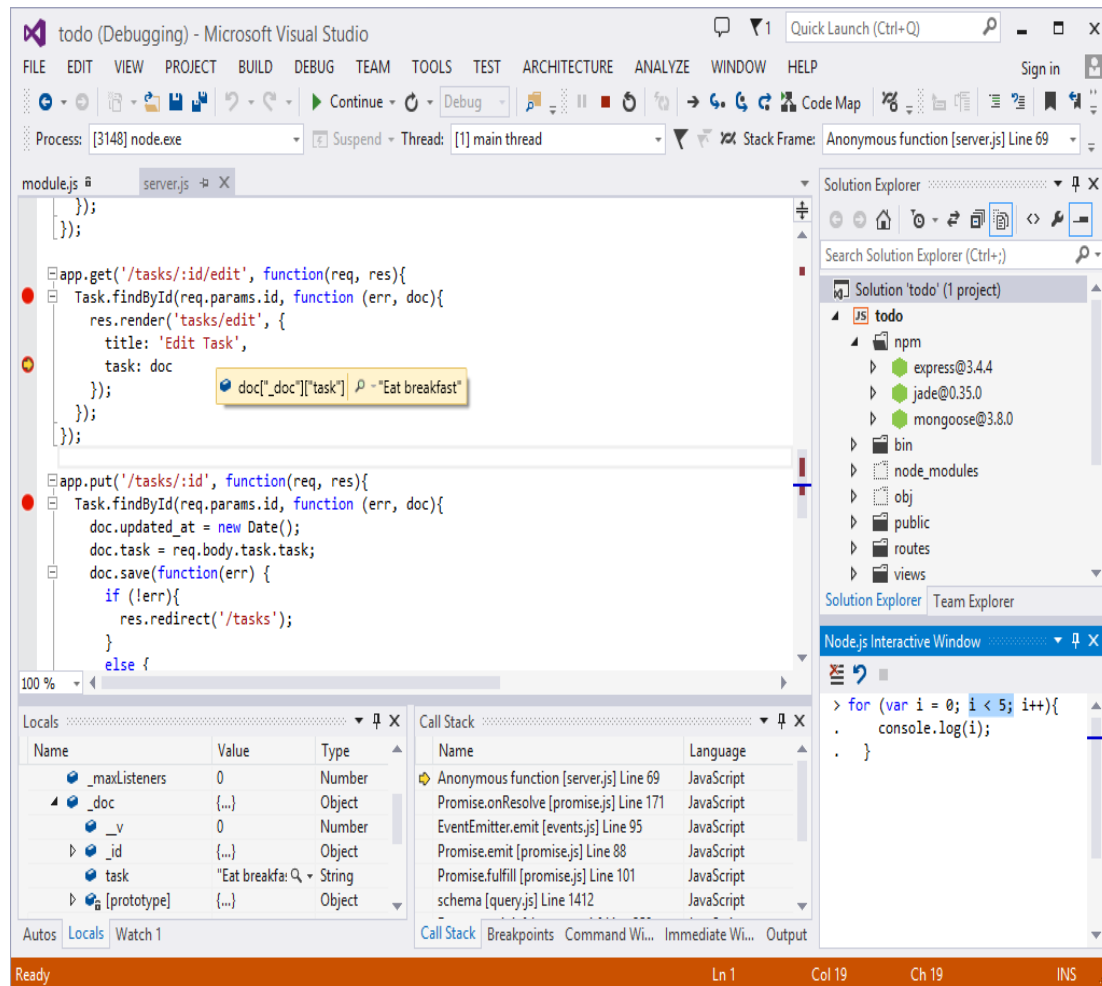
- Client libraries:
 - `npm install azure`
 - Developed on GitHub
- Azure PowerShell SDK for Windows
- Azure SDK for Linux/Mac
- Deployment from Visual Studio
- Command Line Tool
 - `npm install azure-cli`

Node.js Tools for Visual Studio



Node.js Tools for Visual Studio
1.0 Beta available

Node.js Tools for Visual Studio

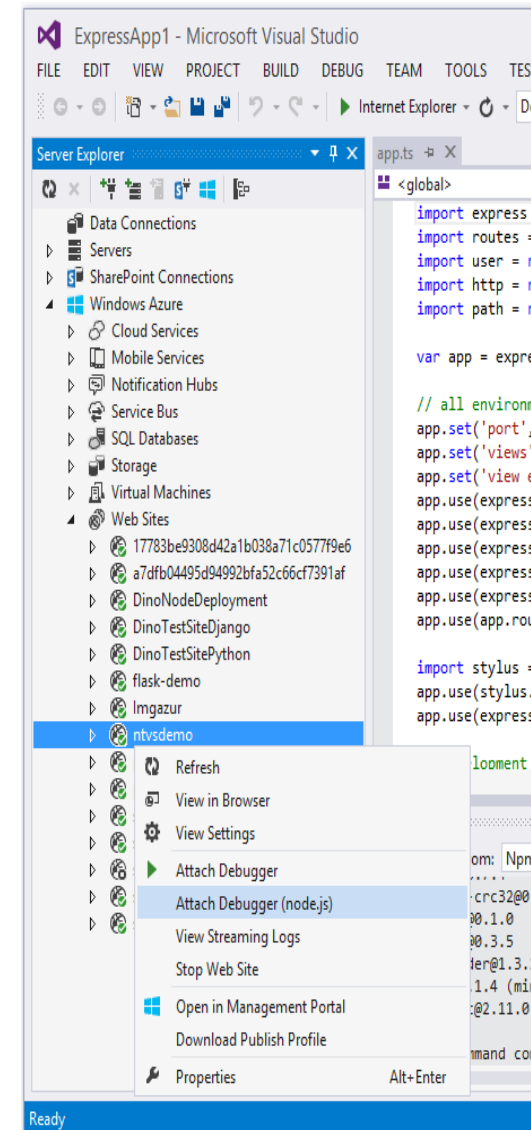
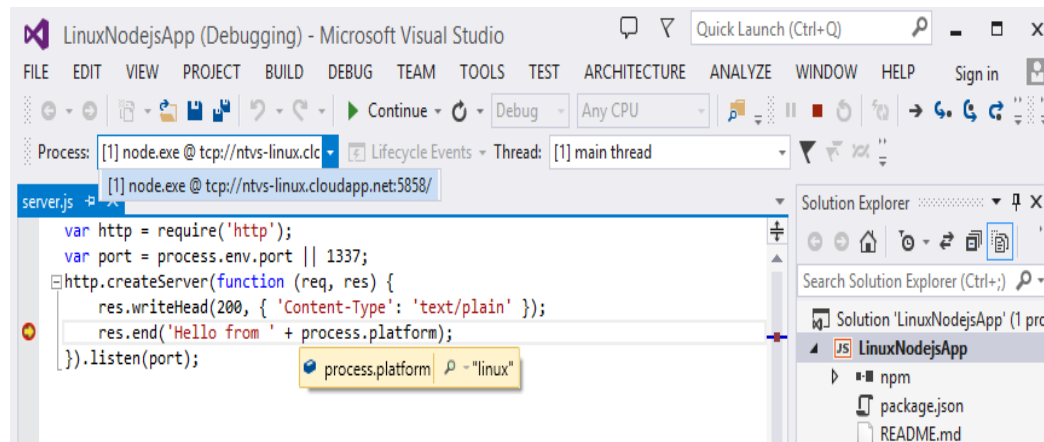
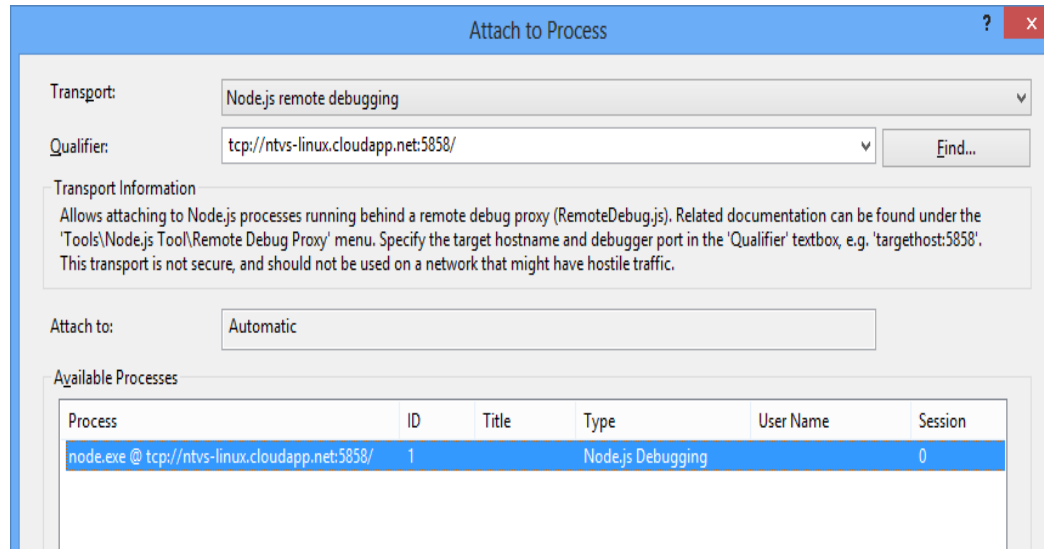


- Free, OSS
- Express Web installable
- TypeScript support
- Local and remote debugging including Windows Azure websites and Linux
- Edit & Continue
 - Thanks Dmitry Tretyakov!
- npm pkg manager integration
 - Thanks Bart Read!

Visual Studio support

- Project system
- Syntax, Intellisense
- Debugging
- Profiling
- REPL/Interactive window
- Azure deployment

Azure Websites and Linux debugging



nodejstools.codeplex.com

The screenshot shows the CodePlex website for the 'Node.js Tools for Visual Studio' project. The page includes a navigation menu with links to HOME, SOURCE CODE, DOWNLOADS, DOCUMENTATION, DISCUSSIONS, ISSUES, PEOPLE, and LICENSE. A sidebar on the left lists categories like INSTALLATION, SCREENSHOTS, VIDEOS, NEWS, AZURE, CONTRIBUTIONS, BUILDING, and RELATED. The main content area features a video player with a red play button, a 'downloads' section with details about the current version (1.0 Alpha), and a 'MOST HELPFUL REVIEWS' section with user feedback.

CodePlex Project Hosting for Open Source Software

Node.js Tools for Visual Studio

HOME SOURCE CODE DOWNLOADS DOCUMENTATION DISCUSSIONS ISSUES PEOPLE LICENSE

Page Info | Change History (all pages) | Follow (320) | Subscribe

Search Wiki & Documentation

downloads

PROPERTY	VALUE
CURRENT	1.0 Alpha
DATE	Wed Nov 20, 2013
STATUS	Alpha
DOWNLOADS	25,656
RATING	★★★★☆ 23 ratings

[Review this release](#)

MOST HELPFUL REVIEWS

★★★★☆ So far so good. Better than Visual Node. More project templates. Same good debugging experience. Better solution management - projec... [\(more\)](#)

★★★★☆ Very nice, I plugged my existing node.js/typescript project right in, beautiful integration, no need to go to node-inspector anymore.

NTVS is a free, open source plugin that turns Visual Studio into a Node.js IDE.

Update: Beta scheduled for release at BUILD Conference in April 2014!

NTVS supports Editing, Intellisense, Profiling, npm, Debugging locally and remotely (Windows/MacOS/Linux), as well as Azure Web Sites and Cloud Service.

Designed, developed, and supported by Microsoft and the community.

Known Alpha limitations:

- Docs
- Videos
- Forums
- Issue tracking

Demos!

An invitation

- Join us on codeplex!
 - <http://nodejstools.codeplex.com>
- Contribute a feature, fix a bug, ...
- Fork it for your awesome new language
- Inspect code for VS integration

