

Debugging in Visual Studio Code

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Who am I?

Dan Silver

Software Engineer, Microsoft Graph

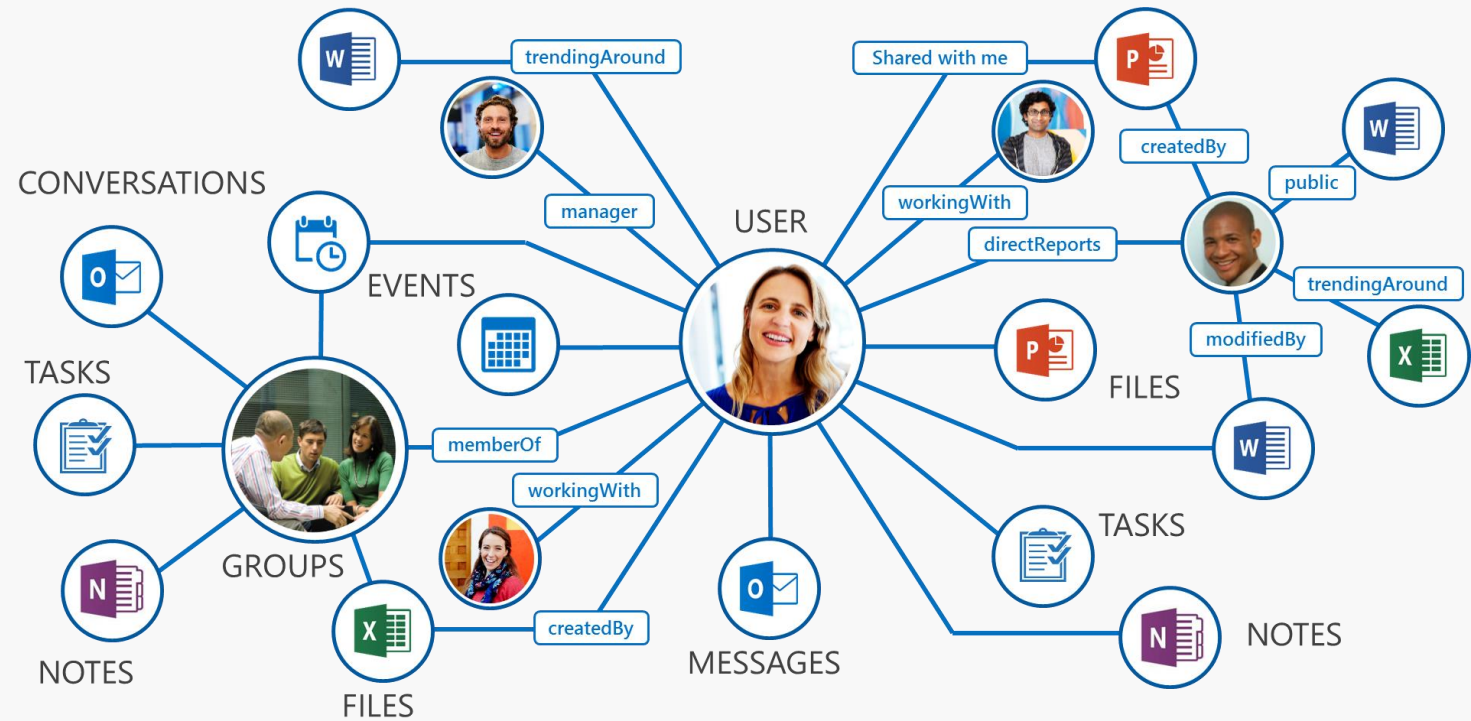
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Projects

JavaScript/TypeScript libraries for
Graph

Microsoft Graph Explorer



Very Quick Intro to Visual Studio Code

Live coding is less than 7 slides away

Visual Studio Code

Based on electron, cross platform, written in TypeScript

Doesn't share codebase with Visual Studio

Extendable with API layer on top of Electron

Visual Studio Code

Open source on GitHub

Public Roadmap - <https://github.com/Microsoft/vscode/wiki/Roadmap>

Monthly updates, just released 1.10 (with minimap!)

Why does Microsoft invest in developer tools?

Debugging Topics

Debugging Topics

Standard Node.js
debugging in VSC

Remote debugging with
Chrome


Debugging other
languages (TypeScript with
source maps)

Multi-target debugging

Column breakpoints
(New!)

Time travel debugging
(with ChakraCore)

Extensions enable debugging in many languages




PHP Debug

Felix Becker | 📦 243,484 installs | ★★★★★ (49)

Debug support for PHP with XDebug

Installation
Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

`ext install php-debug` Copy | [More Info](#)




C/C++ Preview

Microsoft | 📦 1,223,973 installs | ★★★★★ (121)

Complete C/C++ language support, including code editing and debugging.

Installation
Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

`ext install cpptools` Copy | [More Info](#)




Python

Don Jayamanne | 📦 1,641,300 installs | ★★★★★ (99)

Linting, Debugging (multi-threaded, remote), Intellisense, code formatting, refactoring, unit tests, snippets, Data Science (with Jupyter), PySpark and more.

Installation
Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

`ext install python` Copy | [More Info](#)



Go

lukehoban | 📦 582,933 installs | ★★★★★ (100)

Rich Go language support for Visual Studio Code

Installation
Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

`ext install Go` Copy | [More Info](#)

Follow along or download the code for later!

<https://github.com/dan-silver/vscode-debugging-demos>

The screenshot shows the GitHub repository page for 'dan-silver / vscode-debugging-demos'. At the top, there are navigation links for Code, Issues (0), Pull requests (0), Projects (0), Wiki, Pulse, Graphs, and Settings. Below these, the repository description is 'Short samples for debugging scenarios in Visual Studio Code'. A progress bar shows 2 commits, 1 branch, 0 releases, and 1 contributor. Below the progress bar, there are buttons for 'Branch: master', 'New pull request', 'Create new file', 'Upload files', 'Find file', and 'Clone or download'. The commit history table shows a list of commits with their names, the commit type (e.g., 'Initial commit'), and the time since the commit (e.g., '10 days ago').

Commit Name	Commit Type	Time Ago
dan-silver syntax highlighting tip	Latest commit f1db36b	7 days ago
.vscode	Initial commit	10 days ago
1-standard-node	Initial commit	10 days ago
2-column-breakpoints	Initial commit	10 days ago
3-debugging-other-langs	Initial commit	10 days ago
4-chrome-debugging-TODO	Initial commit	10 days ago
5-multitarget-debug	Initial commit	10 days ago
6-time-travel-debugging	Initial commit	10 days ago
intro.md	syntax highlighting tip	7 days ago

