Building a VSCode extension for the Open Build Service
Agenda

- Intro
- Challenges
- Live Demo
Connecting the SUSE Tooling

- Bridge Development and Production
- Link IDEs and SUSE products:
  - OBS
  - Infrastructure solutions
  - Application delivery
The Open Build Service

- Open source build server
- Builds rpm, dpkg, containers and VMs
- Automated rebuilds on dependency changes
- Publishing of build artifacts
- Fully integrated workflow to build & publish a distribution
Visual Studio Code

- Cross platform IDE
- Built with Typescript and Electron
- Highly popular
- Well documented extension API
Why Visual Studio Code?

- Popularity
- Simple and easy to use
- Consistent UI/UX
- First class LSP support
Challenges
Challenges - UI

- Only some views can be modified
- No influence on text style & color
- No custom elements
Challenges - UX

Experts' wishes:
- View projects, packages, requests fast
- Access version control

Beginners' wishes:
- Build upstream project on OBS
- Simple and guided
Challenges – Open Build Service

- API docs need improvements
- API is not versioned
- History handling
- Anything involving _links
- Performance
Challenges - Testing

- Unit tests require a lot of mocking
- Integration testing needs external resources
- UI tests via vscode-extension-tester
Live Demo!
Give it a try!

Open Build Service Connector

SUSE/open-build-service-service-connector

SUSE/open-build-service-service-api
Thank You
Image sources

- Devops loop: https://commons.wikimedia.org/wiki/File:Devops-toolchain.svg
- Open Build Service Logo: https://openbuildservice.org/
- Challenge Icon: https://commons.wikimedia.org/wiki/File:Challenge_I.png
- VSCode Screenshot 1: https://github.com/microsoft/vscode/
- VSCode Screenshot 2: own work
- Selenium Logo: https://commons.wikimedia.org/wiki/File:Selenium_Logo.png
- VSCode Logo: https://commons.wikimedia.org/wiki/File:Visual_Studio_Code_1.35_icon.png
- GitHub Logo: https://commons.wikimedia.org/wiki/File:Font_Awesome_5_brands_github.png
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