

Developer Days  
Automation



The bridge to possible

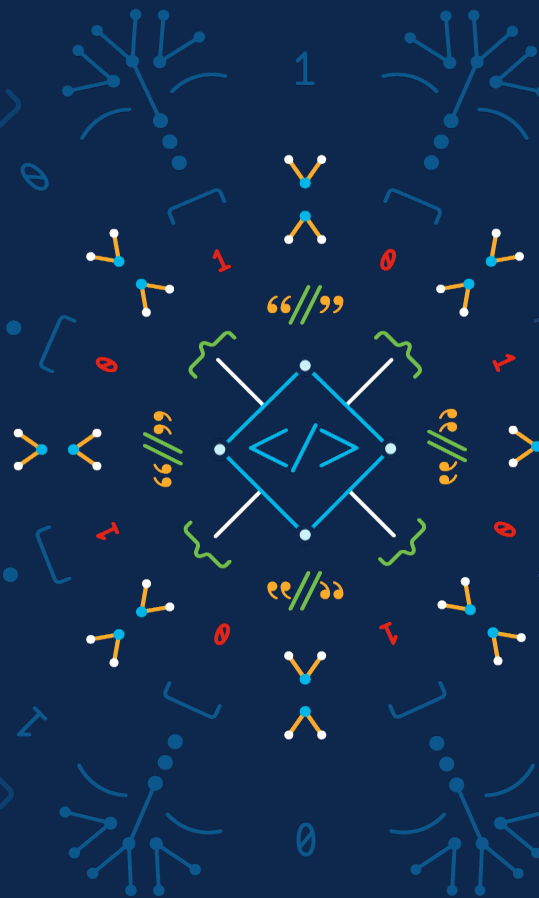
# NSO Developer Studio

For Visual Studio Code

Jason Wycoff

Leader, Software Engineering

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# Goal

- To provide an integrated environment for Service Development
- Simplify Service Development – address steep learning curve for beginners
- Guide developers to easily create Yang Models, Templates and Service Logic

# Why Visual Studio Code?

- Widely used Editor, popular with developers and a growing install base
- Wide support for multiple languages and extensions including Python, XML, Yang
- Well documented guides and support for Language Server Protocol and custom extensions
- Extensions/LS created in Visual Studio code are compatible with Theia IDE and Eclipse Che IDE
- Integrated support for GIT, Docker, and other CI/CD tools

# Developer IDE

- Create new NSO packages
- Create service points and actions from your Yang file with simple wizards
- Auto-complete
- Commonly used code snippets for Yang and Python
- XML Template variable scoping and processing instructions

# NSO Explorer

- Connect to running instances of NSO
- Browse CDB, including package structure and values
- Capture Keypath and Xpath values
- Run actions

Demo

# Roadmap

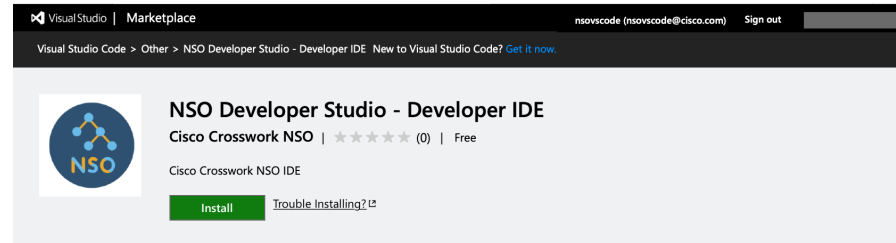
- Xpath tools
- Java support
- Kicker Helpers
- Nano-services designer
- Template designer

Poll: Which new  
feature are you most  
looking forward to?






# Available Now!



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## NSO Developer Studio - Developer IDE

Cisco Crosswork NSO | ★★★★★ (0) | Free

Cisco Crosswork NSO IDE

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### NSO IDE

This is the codebase for the NSO IDE Visual Studio Code extension.

### Pre-requisites

Ensure the following are installed

- IPK 11 is installed

### Categories

Other

### Tags

Cisco Crosswork Cisco NSO  
Network Services Orchestrator nso snippet

### Works with

- Developer:  
<https://marketplace.visualstudio.com/items?itemName=CiscoCrossworkNSO.nso-ide>
- Explorer:  
<https://marketplace.visualstudio.com/items?itemName=CiscoCrossworkNSO.nso-explorer>
- Feedback: [nsovscode@cisco.com](mailto:nsovscode@cisco.com)



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