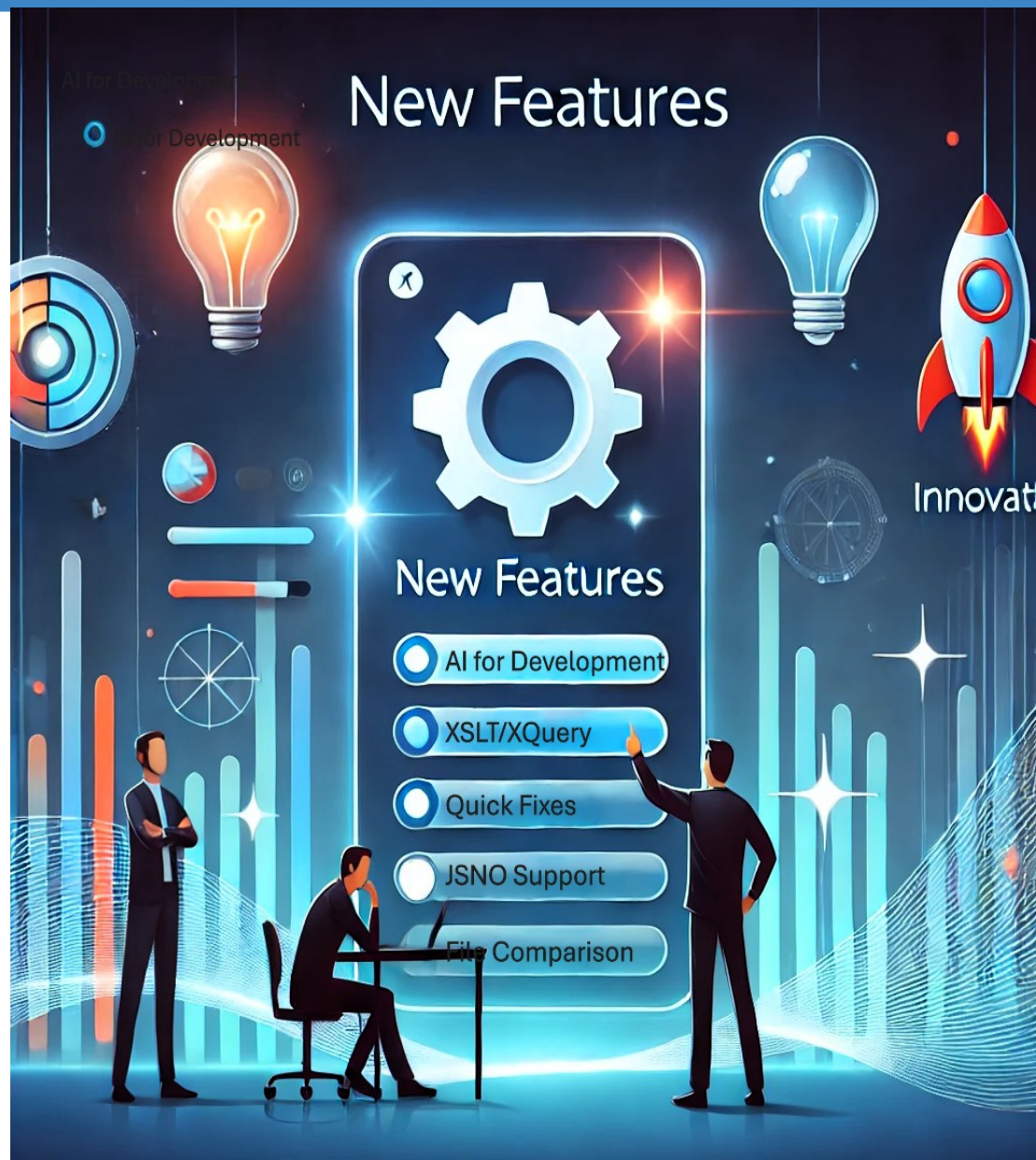


Development

- XSLT & XQuery Editing, Transform and Debug
- Design XSD and JSON Schema
- XML and JSON Validation
- All XML and JSON Standards Support
- File Comparison

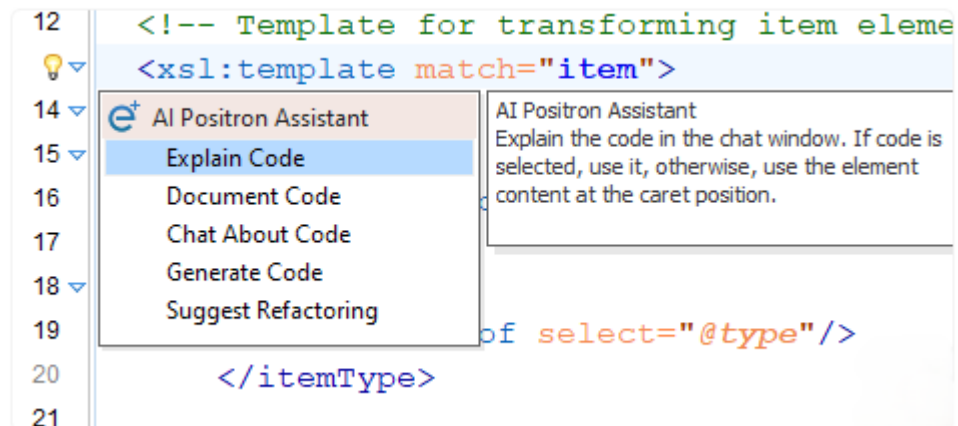
New Features

- AI for Development
- XSLT / XQuery
- Apply All Default Quick Fix Proposals
- JSON Support
- File Comparison
- Scripting



Using AI for Development

- Development actions
 - Explain Code
 - Document Code
 - Chat About Code
 - Generate Code
 - Suggest Refactor
 - [Custom Actions]
- AI Actions in Quick Assist
- AI XPath Functions Updated



The screenshot shows a code editor with an XSLT template. A context menu is open over the code, listing several AI actions. The 'Explain Code' action is selected. A tooltip for the 'AI Positron Assistant' is visible, providing instructions on how to use the assistant's actions.

```

12 <!-- Template for transforming item eleme
13 <xsl:template match="item">
14
15
16
17
18
19 of select="@type"/>
20
21 </itemType>
    
```

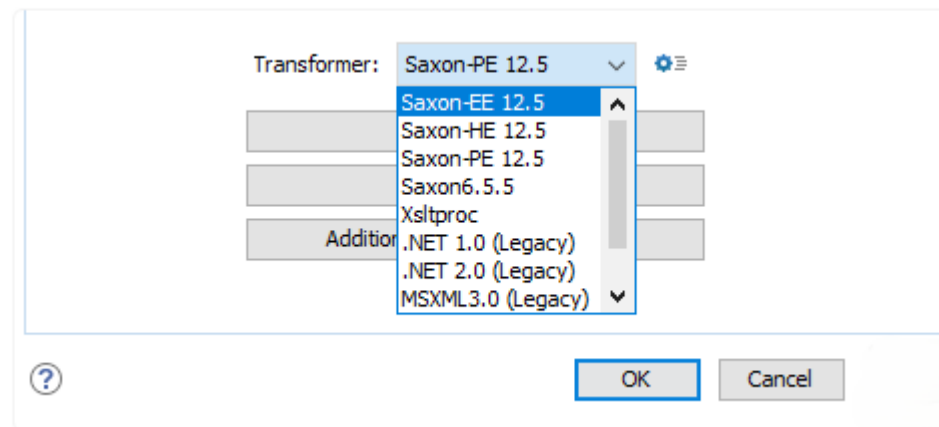
AI Positron Assistant
 Explain the code in the chat window. If code is selected, use it, otherwise, use the element content at the caret position.

AI Positron Assistant

- Explain Code
- Document Code
- Chat About Code
- Generate Code
- Suggest Refactoring

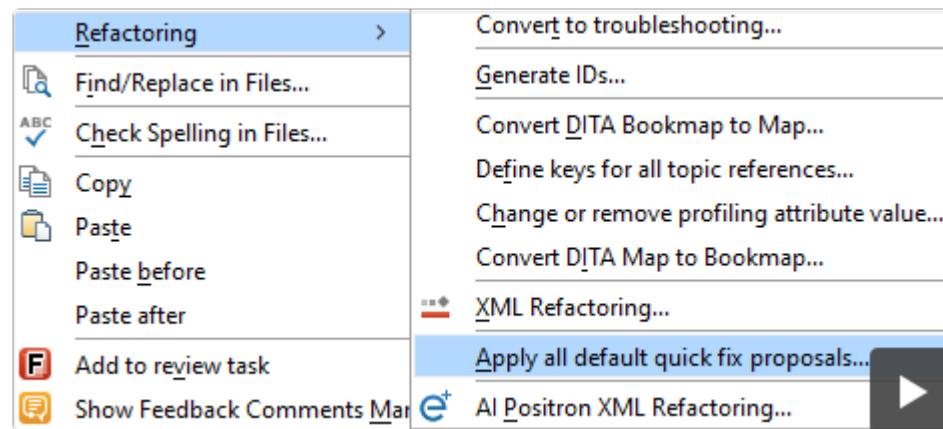
XSLT / XQuery

- Saxon 12.5 Built-in
- New Saxon Extension Functions
- Support for XQuery 4.0
- Updated Saxon XSLT and XQuery Add-ons
- XProc Version 3.0 Schemas



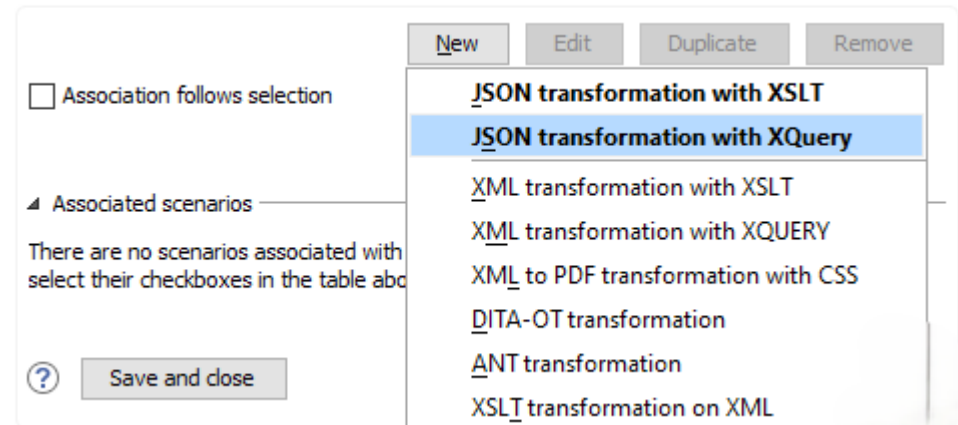
Apply All Default Quick Fix Proposals

- Apply all proposed quick fixes on one or more resources at once
- Available in both Text and Author modes
- Use it from the Project view, DITA Maps, or Results view
- Preview modification before applying them



JSON Support

- Transform JSON Documents with XSLT/XQuery
- Transform Multiple JSON Documents at Once
- Edit JSON5 Documents
- Enhanced JSON Editing with Automatic Indentation



File Comparison

- Ignore Nodes by XPath Option Supported in Directory Comparisons
- API for Merge Documents or Directories with Change Tracking
- Merge Documents with Change Tracking Highlights Tool Improved

XML Diff

Ignore:

<p>Node/Type</p> <p><input type="checkbox"/> Processing Instruction*</p> <p><input type="checkbox"/> Comments*</p> <p><input type="checkbox"/> CDATA*</p> <p><input type="checkbox"/> DOCTYPE*</p> <p><input type="checkbox"/> Text*</p>	<p>Namespaces/Prefixes</p> <p><input type="checkbox"/> Namespaces</p> <p><input type="checkbox"/> Prefixes</p> <p><input type="checkbox"/> Namespace declarations</p>
	<p>Order</p> <p><input type="checkbox"/> Attribute order</p>

Ignore nodes by XPath:*

Scripting

- XPath Expressions to Exclude Nodes Now Supported in Compare Directories Script
- More Flexibility in Compare Directories Script
- Performance Improved for Validation and Check for Completeness Script



Future Plans

- New AI Actions for Development
- Extended Support for AI Functions
- Schematron 2025 Update
- XPath Over JSON Property/Array
- Security Updates
- ...waiting for feedback



A long-exposure photograph of a multi-lane highway at night. The image shows vibrant light trails from cars, with white and yellow trails on the left side of the road and red trails on the right side. The road curves into the distance under a dark blue night sky with some distant lights.

Questions?

Octavian Nadolu
Software Architect at Syncro Soft

octavian.nadolu@oxygenxml.com

Twitter: [@OctavianNadolu](https://twitter.com/OctavianNadolu)

LinkedIn: [octaviannadolu](https://www.linkedin.com/in/octaviannadolu)