

XQS

An ISO Schematron implementation

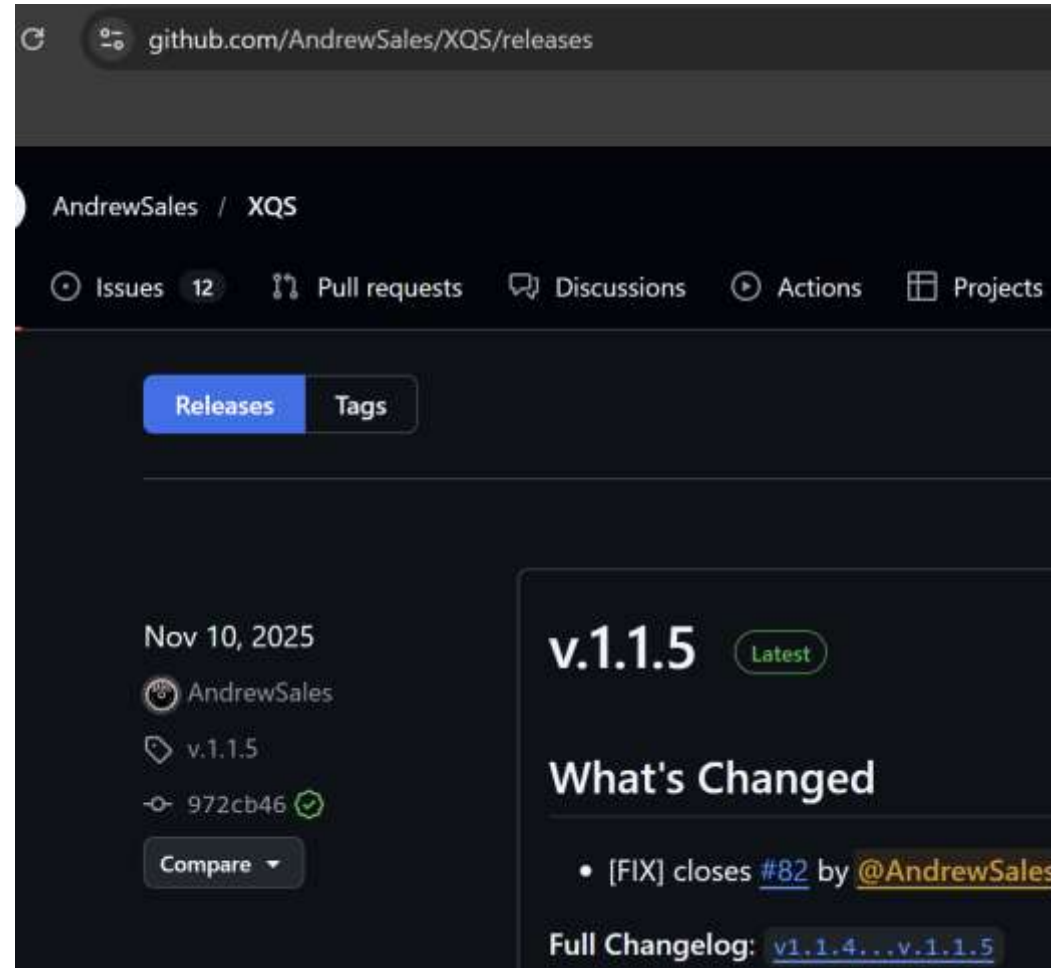
About XQS

- “XQuery for Schematron” - pron. as in “*excuse me*”
- Native XQuery implementation of ISO Schematron
- First/only(?) with XQuery query language binding
- Developed using BaseX flavour of XQuery 3.1
- Supports dynamic evaluation and “compilation” of schemas
- FOSS: Apache 2.0 licence
- See [Markup UK 2023 proceedings](#) and [slides](#) for details

Latest edition, v.1.1.5

Conformant to ISO/IEC 19757-3:2025*

github.com/AndrewSales/XQS



The screenshot shows the GitHub releases page for the repository AndrewSales/XQS. The browser address bar displays the URL github.com/AndrewSales/XQS/releases. The repository name is shown as AndrewSales / XQS. Navigation links include Issues (12), Pull requests, Discussions, Actions, and Projects. The 'Releases' tab is selected, with a 'Tags' tab also visible. The release details for v.1.1.5 are shown, including the date Nov 10, 2025, the author AndrewSales, the tag name v.1.1.5, and the commit hash 972cb46 with a green checkmark. A 'Compare' button is present. The 'What's Changed' section lists a fix for issue #82 by @AndrewSales. A link for the full changelog from v1.1.4 to v.1.1.5 is provided.

github.com/AndrewSales/XQS/releases

AndrewSales / XQS

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Releases Tags

Nov 10, 2025

AndrewSales

v.1.1.5

972cb46 ✓

Compare ▾

v.1.1.5 Latest

What's Changed

- [FIX] closes #82 by @AndrewSales

Full Changelog: [v1.1.4...v.1.1.5](#)

Notable features/extensions

- Supports BaseX 10 onwards
- Supported by XSpec (thanks to Amanda Galtman & team!)
- Compiled schemas portable between XQuery engines
- Inclusion and expansion (abstracts and includes) is automatic
- Support for user-defined XQuery functions
- Support for module imports
- Expression-containing attributes can be elements instead
- Extension element `xqs:copy-of`

User-defined functions

```
<function xmlns='http://www.w3.org/2012/xquery'>  
declare function local:foo($i as xs:int) as  
xs:int{  
    $i * $i  
};  
</function>
```

Module imports

```
<prolog xmlns='http://www.w3.org/2012/xquery'>  
import module namespace fun = 'my-functions' at  
'../fun.xqm';  
</prolog>
```

Expressions in elements vs attributes

```
<assert xmlns="http://purl.oclc.org/dsdl/schematron">  
<test>  
/here/is  
  [lots]  
  /of-formatting/ (  
    I-Prefer | to_keep  
  )  
</test>  
</assert>
```

Extension element `xqs:copy-of`

- In XSLT QLBs, `xsl:copy-of` can be used in `property`, so this plugs gap for XQuery:

```
<sch:property id='p1' scheme='abc' role='def' >  
wrong=<xqs:copy-of select='.' />  
</sch:property>
```

- Can be used *in assertion messages too*, not limited to `property`

Demo: new attribute `phase / @when`

- Materials available via GitHub at:
`...XQS/tree/main/examples/2025-edition`

Demo: new element group

- Materials available via GitHub at:
[...XQS/tree/main/examples/2025-edition](https://github.com/XQS/tree/main/examples/2025-edition)

Thank you!

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