



# Lyo 4.x

## General

- Migrate from Wink (depr. since 2013)
- Support OSLC 3 fully
- Test suite for arbitrary endpoints (+ SHOULD&MAY)
- Up-to-date reference impl.
- Migrate from Google OAuth lib (depr. since 2010)
- Improve docs
  - Keep writing changelogs
  - Gather all info
    - Mkdocs
    - AsciiDoctor
    - Docusaurus
  - Update tutorials
  - Start a new blog
- Deliver OSLC Domain class libraries
- Use a monorepo
  - Keeping internal forks updated
- Open Project!
- Misc
  - Docker/Kubernetes support
  - Integrate with RDF4J (Sesame)
  - Automate minor releases (eg 2.4.1)
  - Kotlin nullability annotations

## Core

- Refactor JMH
  - Non-static
  - Gather managed exceptions
  - Polymorphism support
  - Simplify @notations
- Refactor RDF providers into a single one

## Client

- More auth options (Jim, Daniel, Ralph)
  - Basic
  - OIDC/JAS
- Migrate to JAX-RS
  - (Wink Client was not JAX-RS compat)
  - What about OkHttp
- Remove deprecated methods (Ralph)
- Improve logging (Ralph)

## Designer

- OSGi plugin releases
- Import/export OSLC Domain Specs from/to RDF (Jad)
- Use a JS client instead of HTML on the adaptor FE (Jim, Andrew)
- Allow custom OSLC Server code templates
- Misc
  - Stop generating markup in domain classes (Jad, Andrew)
  - Refactor the AManager class, too much coupling (Jim) 📄
  - Integrate with Eclipse Error Reporting

## TRS

- TRS Server persistence (Jim)
- Pubsub support (MQTT) (Andrew)
- Reactive implementation (Andrew)
- Misc
  - Web UI for TRS Client management
  - Command-line executable