14.03.23 Eclipse AAS4J - PL & Committers meeting

**Project board:** <https://github.com/orgs/eclipse-aas4j/projects/1/views/1>

**TOP 1 - Dev & Release Planning for AAS Metamodel Specification (Final):**

* Meeting rescheduled for 30.03 - 14:00-16:00

* Open Questions:
  + Big delta / changes between RC02 and Final
  + What is the impact of "SubmodelElementCollection" and "SubmodelElementList" regarding immutability?
  + How to use Model Generator?
  + Validation (what are the new constraints, how to implement e.g. via RDF?)
  + Dependencies (Dependabot)
  + Pipelines (Github actions, Jenkins …)
  + Quality assurance requirements - best practices (see Issue # 35), test coverage
  + Change logs / How to protocol the changes for the future
  + Commitment / planning
  + Parking lot: what are the features that are nice to have for future releases (e.g. data model for part 2 such as Submodel Descriptors**)**

* **Goal:** 
  + **Roadmap including the scope of AAS4J will deliver for the final release**
  + **Commitment / Resources assignment**

**TOP 2 - Bugfix Releases - How should we proceed / tangible process**

* Release button - trigger Jenkins Pipelines (committers and project leads)
* For small bugfixes, inform committers / projects leads about upcoming release
* Establish process -
  + For critical bugfixes: continuous releases of bug-fixes once they are fixed,
  + For not critical bugfixes: decision whether to include in releases or not during discussions via mailing list. Include comments in the corresponding PR or Issue on Github.

**TOP 3 - Open tasks:**

* Validation (not prio)

**Action item:**

* Organize an alignment with aas-core-works

14.02.23 Eclipse AAS4J - PL & Committers meeting

**Project board:** <https://github.com/orgs/eclipse-aas4j/projects/1/views/1>

**TOP 1 - Upcoming Release from AAS Metamodel:**

* A final release from AAS4J once there is a final release of the spec
* Missing topics at AAS4J
  + Who is taking care of validation?

**TOP 2 - CI is not working**

* CI ist nicht durchgelaufen
* Issues has been created to address this: <https://github.com/eclipse-aas4j/aas4j/issues/58>

**TOP 3 - Codegenerator from** <https://github.com/aas-core-works>

* Aas-core-works: might have similar scope as AAS4J also verifies (constraints, …) and de/serialize
* AAS4J goals is also to generate code automatically from the specs. Currently, RDF misses descriptions that does not enable the auto-generation
* Align with aas-core-works - how can we work together?

**TOP 4 - Development Process**

* **Releases branch:** for minor or major releases too?
* <https://github.com/eclipse-aas4j/aas4j/blob/main/docs/adr/development_process.md>
* Enhance process based on use cases (how I start when I want to do a bugfix, etc.)

10.01.23 Eclipse AAS4J - PL & Committers meeting

**TOP 0 HAPPY NEW YEAR ☺!**

**TOP 1 Project Board**

* **Backlog refinement: motivation is that many issues such as** <https://github.com/eclipse-aas4j/aas4j-model-generator/issues/3> **are not clearly described:**
  + We should avoid "Sammeltickets" (one super issue collecting several sub-issues) and ensure that one issue is clearly describe as concrete, small task with the description about what is to be done more tangible.
  + Goal is that every developer can read an issue and know what is the problem, how it could be solved and where to start in the code.
  + ACTION ITEM TO ALL COMITTERS AND PROJECT LEADS: Please review your issues and see if you can break down to smaller issues with a concrete description and tangible tasks

* Clean up unecessary branches

* Finalize Development / Release Process (<https://github.com/eclipse-aas4j/aas4j/issues/32>)

* Should we work following Scrum methodes? Can we plan issues on backlog until next meeting?

* Extend series for meetings

13.12.22 Eclipse AAS4J - PL & Committers meeting

**Project board:** <https://github.com/orgs/eclipse-aas4j/projects/1/views/1>

**TOP 1 - Current status:**

* re-enabling the aasx tests and fixing the aasx code (<https://github.com/eclipse-aas4j/aas4j/pull/52>)
  + Comments will be considered and be merged by the committer that created the PR and merged into RC02 branch
  + Once this is done, the basis for the Release Candidate shall be ready

**TOP 2 - Pre-release:**

* Are we ready?
  + [Merge of PR #52](https://github.com/eclipse-aas4j/aas4j/pull/52) needed
  + Configuration of Jenkins (already assigned)
* What should be the scope?
  + dataformat-json
  + dataformat-aasx
  + dataformat-xml
  + model
  + dataformat-core

* Pre-release naming
  + Decision "1.0.0-milestone-01“
  + For future previews based on previous ("1.0.0-milestone-02“ …)

**TOP 3 -** [.equals methods for collection-like elements#50](https://github.com/eclipse-aas4j/aas4j/issues/50)

* Proposal - Integrate a Test to ensure that there are no misalignments between automatically generated code and AAS specs
* In case misalignments between autogenerated code and AAS specs happen more often, we should consider creating additional code to address that
* Fix individual misalignments manually

**Backlog:**

* **What is our public API**
* Roadmap / Milestone
* Housekeeping (dependencies, best practices, documentation…)

**Next meeting – 10.01.2023**

**🡪 Merry christmas and happy new years!**

08.11.22 Eclipse AAS4J - PL & Committers meeting

**TOP 1 - Review of tasks / issues - Eclipse AAS4J Github project board** <https://github.com/orgs/eclipse-digitaltwin/projects/3/views/1>

* Decision: from now on, we should always work on ["update-to-rc02" branch](https://github.com/eclipse-aas4j/aas4j/tree/update-to-rc02)
* We closed some issues that have been already addressed via PRs
* Assignment of reviews for JSON, XML, AASX

**TOP 2 - Status - release / pre-release actual AAS Metamodel V3 RC02**

* If JSON, XML and AASX works, than we could provide a "release candidate"
* Release Candidate within 4-6 weeks depending if there are no further issues and Eclipse Foundation tasks does not require further governance and IP checks
* Share status with the community about our plans

**Backlog:**

**TOP 2 - Adapt issues (working packages) so that it is easier to contribute within AAS4J => will addressed in the next meeting**

**Next meeting:** 13.12 (hopefully with a release candidate as a early-christmas gitft ;) )

11.10.22 Eclipse AAS4J - PL & Committers meeting

**AAS4J Project Board:**

<https://github.com/orgs/eclipse-digitaltwin/projects/3/views/1>

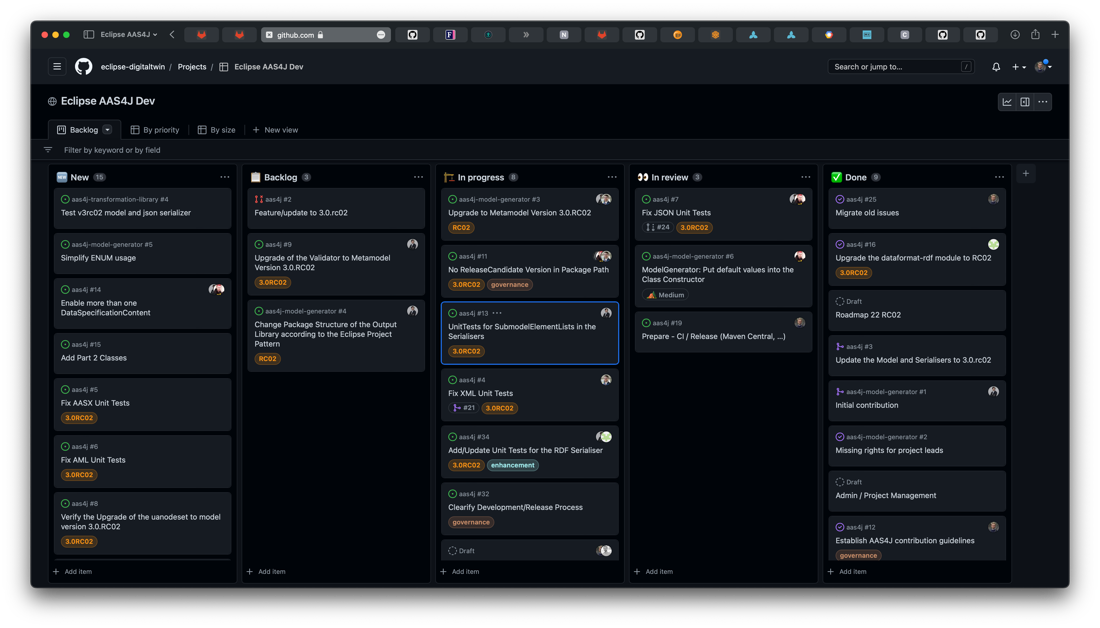
**TOP 1 JSON Deserializer (Stand) --> Transformation Library**

* Noch Probleme aufgrund des "Models" (Schema)
* Transformation Library needs this features (Arno)

**TOP 2 Should be aas4j-trasnformation-library be integrated to aas4j?**

* aas4j-trasnformation-library can be seen as an add-on as it does not directly implement the AAS Specs (Par1 or Part 2)
* Or is it an independent project to aas4j?
* Or should it be the same / different repository?

**TOP 3 Re-structuring of Github Digital Twin**

* <https://gitlab.eclipse.org/eclipsefdn/emo-team/emo/-/issues/134>
* Action item: Project board must be exported to the new organization.
  + 

**TOP 4 - Tickets regarding AML and uanodeset tests**

* All tickets are closed

**TOP 5 - Clearify Development / Release Process**

* <https://github.com/eclipse-digitaltwin/aas4j/issues/32>
* Admin-shell-io: no develop branch needed
* Maintainance of old versions?
* Decisions:
  + We don't need a development branch, we use main to maintain the last development status
  + Branch name should always have a tag (release, bugfix, …)
  + Release branch only for a major version (should be aligned with latest spec of AAS)?
* Ask to all: please have a look at the issue and proposal and if possible, create some examples based on our needs and scenario (how does an efficient development and branching strategy looks like by implementing AAS specs?)

**TOP 6 - EclipseCon 22 Presentation**

* <https://industrialdigitaltwin.sharepoint.com/:p:/r/sites/IDTAIndustrialDigitalTwinAssociatione.V/Freigegebene%20Dokumente/WG1%20-%20Open%20Technology/Open%20Source/EclipseCon22/Presentation/Mission_Digital_Twin_IDTA_EclipseCon22_v0.pptx?d=w2d9275534f7141b9b6e142addab4a7bf&csf=1&web=1&e=XsW11m>
* Do we a have a demo (video)? Ask Frank …
  + Write mail as reminder …

**Next meeting:** 08.11.2022

13.08.22 Eclipse AAS4J - PL & Committers meeting

**AAS4J Project Board:**

<https://github.com/orgs/eclipse-digitaltwin/projects/3/views/1>

**Org / admin:** IDTA event (19.10…) and EclipseCon22 presentations

* + Share current slides on AAS4J presented at IDTA Open Tech Days
  + ACTION - Thiago will contact IDTA for a slot IDTA event

**TOP 1 Current status and next steps of V3RC02-metamodells**

* + Due to the late release of AAS Schema (JSON, XML, …), our released will be delayed.
  + DECISION - current works on updating code to the JSON and XML are partially done. Current status on XML will be merged via PR
  + Ask to everyone: use Github project board (<https://github.com/orgs/eclipse-digitaltwin/projects/3/views/1>) and define tasks more abstract as "big" working packages.
  + Release goal end of september? WE should try for it
    - Ask Wayne for support regarding release

**TOP 2 Codequalität (how to deal with vulnerabilities, dependencies etc.**

**Vulnerabilities / code qualities:** <https://jlbp.dev>

* + Align with SAP internal processes
  + Long term support
  + Release process / bug fixes for vulnerabilities, dependencies…
  + Ask from Michael: can we split the points between all committers.
  + DECISION - ACTION ITEM TO ALL: Committers should read the points from <https://jlbp.dev> and evaluate how far it addresses our code.
  + What do old issues from admin.shell.io (e.g. <https://github.com/admin-shell-io/java-serializer/issues/67>)? We should migrate old issues and mention that the project has migrated to AAS4J. New issue has been created to address this and keep it transparent.

Other topics to be addressed offline:

* Eclipse Digital Twin TPL / Github repositories
* Logo

**Next meeting will take place 11.10.22 and will be extended to one hour so that we can discuss topics in more details.**

09.08.22 Eclipse AAS4J - PL & Committers meeting

**AAS4J Project Board:**

<https://github.com/orgs/eclipse-digitaltwin/projects/3/views/1>

**Top 1 - Eclipse Release / Maven Central - following 3 steps are needed and can be processed in parallel**

1. Coordination (GroupID, …)
   1. groupID: org.eclipse.digitaltwin.aas4j
   2. artifactID: dataformat-parent

1. Versioning (already decided)

1. Finalize code

* Thiago will ask Eclipse Foundation (Wayne Beaton) about Maven Central and groupID, artifactID…are there any guidelines etc…?

**Top 2 - Internal Development proposal from Micheal Jacoby:**

* We should work as done with the following PR (<https://github.com/eclipse-digitaltwin/aas4j/pull/18>)
  + All PR with changed code to development branch (e.g. [update-to-rc02](https://github.com/eclipse-digitaltwin/aas4j/tree/update-to-rc02))
  + Each PR should be reviewed before ist merged to the branch
  + Once all PRs containing all changes needed for a release, do a final review and merge branch into main

**TOP 3 - Automatic proofing of header:**

* Currently, library checking headers is turned off
* In case there is an external contribution (PR), AAS4J community must review and ensure that the header is available

**TOP 4 - Update on Transformation library**

* Transformation library will be addressed as soon JSON serializer is updated (Arno)

Next meeting will be on 13.09.22!

14.07.22 Eclipse AAS Model for Java (AAS4J) - PLs & Committers meeting

**Participatns:**

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[Weber Martins, Thiago](mailto:thiago.weber.martins@sap.com)

**Agenda:**

1. Current status (migration to EF, current setup, presentations etc…)

1. Admin / organisation

1. Roadmap & Releases

**Minute Notes:**

* **Top 1 - Current status (migration to EF, current setup, presentations etc…)**

* **AAS4J - Project Leads / Committers (reference to slide 4 and** <https://projects.eclipse.org/projects/dt.aas4j/who>)**:**
  + **ACTION TO ALL -** Please, update the figures / avatar of your profiles to avoid grey rectangles
  + Some of PLS / Committers avatars are not updated on the AAS4J site - check with Eclipse Foundation

* **Top 2 - Admin / Organization:**

* **DECISION - Agreed to use** <https://github.com/eclipse-digitaltwin/aas4j/projects/1> as Project Management Tool

* **DECISION -** set regular monthly meeting for second Tuesday 14:30-15:00 of month

* Next meeting 09.08.22 - Tuesday 14:30-15:00

* **Contribution guidelines: how we work together:**

* **ACTION (Thiago)** - Look for existing OSS project guidelines ( <https://github.com/eclipse/rdf4j/blob/main/.github/CONTRIBUTING.md>) and select one that fits our needs

* **DECISION -** Work with forks

* **DECISION** GitHub – Main (maintained current release) & Branch (development of new features), Releases (Maven Central)

* Release Review / Eclipse Foundation with IP Review

* **ACTION (See roadmap, Frank)** CI: use GitHub Actions and Eclipse infrastructure (Maven Central Account, Jenkin) (TO DO)

* **OPEN / TO BE DISCUSSED ASAP - Versioning and how to deal with V3 RC02 and V3 (final, stable)**
  + Issue / requirements: some companies require v.1.x.y so that it can be used in production

* **Top 3 - Roadmap:**
  + See slides and Github Project Board for milestones and assignements

* **GOAL- Release End of September (AAS4J and AAS4J model generator)**
  + **Challenge - Versioning and how to deal with V3 RC02 and V3 (final, stable) (see above)**

* **Note - AAS4J Transformation Library was not discussed**

* **Misc - not discussed in the meeting but still relevant**

**Next meeting will be on 09.08.22!!!**

* **AAS4J presentation at IDTA Open Tech Day**
* **AAS4J will presented at EclipseCon 22**
* **Logo - We need a logo, proposals?**

**Eclipse Minutes – 18.05.2022**

**Participants:** [FrankSchnicke (FhG](frank.schnicke@iese.fraunhofer.de)), [Michael Jacoby (FhG)](michael.jacoby@iosb.fraunhofer.de), [Sebastian Bader (SAP),](http://s.bader@sap.com) [Thiago Weber Martins (SAP)](http://thiago.weber.martins@sap.com)

**Thema – Migration from admin-shell-io to eclipse foundation:**

* New project structure proposal:

1. <https://github.com/eclipse-digitaltwin/aas4j>
   * 1. <https://github.com/admin-shell-io/java-model>
     2. <https://github.com/admin-shell-io/>[java-serializer](https://eur04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fgithub.com%2Fadmin-shell-io%2Fjava-serializer&data=04%7C01%7C%7C70b32df891c04049da0c08d96853805f%7C6868843bf0124c95a18ebab826cca9ac%7C0%7C0%7C637655530132869703%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=Feotg2%2BwD2h3lHSSc2tnuh0XrqmUvDQL4kLEAoOaJSM%3D&reserved=0)
     3. <https://github.com/admin-shell-io/java-serializer/tree/main/validator>
2. [admin-shell-io/java-generator](https://eur04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fgithub.com%2Fadmin-shell-io%2Fjava-generator&data=04%7C01%7C%7C70b32df891c04049da0c08d96853805f%7C6868843bf0124c95a18ebab826cca9ac%7C0%7C0%7C637655530132859747%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=q0E4XJF82Lbnp45XKLaa%2BfDiUBj%2Bp5P%2F%2BUKdLhQ40iU%3D&reserved=0) --> <https://github.com/eclipse-digitaltwin/aas4j-model-generator>
3. [admin-shell-io/aas-transformation-library](https://github.com/admin-shell-io/aas-transformation-library) --> <https://github.com/eclipse-digitaltwin/aas4j-transformation-library>

Eclipse Initial Contribution process: <https://www.eclipse.org/projects/handbook/#ip-initial-contribution>

**Decisions:**

* Use https://github.com/admin-shell-io/java-serializer as basis for <https://github.com/eclipse-digitaltwin/aas4j> and add <https://github.com/admin-shell-io/java-model>. Meaning add a “model” folder into <https://github.com/eclipse-digitaltwin/aas4j> and add the content from https://github.com/admin-shell-io/java-model
* W.r.t. versioning:
  + Software and (AAS) model version number are independent
  + AAS4J from a software perspective starting:
    - V.0.1.0: migrated code from admin-shell-io
    - V.1.0.0: when AAS model V3 RC02 is supported
  + AAS4J from a AAS model perspective
    - Currently mix up of V3 RC1 and RC2 (V.0.1.0 in AAS4J)
    - Next release V3 RC02
      * Namespace must be updated to “/v3rc02” instead of “/v3”
  + Group ID: “io.admin-shell.aas” zu “org.eclipse.aas4j”
  + Adapt CI (note: aas4j-model-generator might be more challenging)
* Github/Admin-shell-io: notice users and community that the work is carried on in Eclipse AAS4J

**Next step:**

* Trigger the migration process asap from admin-shell-io to Eclipse AAS4J (Thiago, Sebastian)
* Notify in Readme that project is migrated to Eclipse
* Set up meetings Eclipse AAS4J with commiters and project leads

**Backlog:**

* What happens if we also have a release for V3 RC02? Should we maintain archive?