



Oxalis Community

Technical Meeting - March, 2025

Oxalis - Oxalis-NG v1.0.0 Release [1/2]



Key Changes & Enhancements:

- [Oxalis-AS4](#) merged with core [Oxalis](#), now maintained in a **single repository** - [Oxalis-NG](#)
- **Package name change** leading to incompatibility with previous versions
- **Requires upgrade to Tomcat 10.x**
- **AS2 protocol support removed**, as Peppol has discontinued it since 2020
- **Inbound component check added** to verify whether an incoming message belongs to your AP
- **Customization**: AP logo and AP name can be added on the home page via "oxalis.conf"

Dependency Upgrades:

- **CXF version** upgraded to **4.0.6**
- **wss4j version** upgraded to **3.0.4**
- **neethi version** upgraded to **3.2.1**

Vulnerability Scanning Report:

- **GitHub Dependabot**: No vulnerabilities found
- **Sonatype Scan**:
 - **1 High** vulnerability in **angus-mail** (No fix available yet)
 - **2 Medium** vulnerabilities in **H2 database** and **Jetty** (No fix available yet)
 - **1 Low** vulnerability identified

Documentation & Artifacts:

- **Documentation** moved to: [Oxalis-NG Wiki](#)
- **Maven Repository**: Artifacts available in [Oxalis Network repositories](#)
- **Docker Hub**: Available at [Norstella Docker Hub](#)

Action Items for Developers:

- Upgrade to **Tomcat 10.x**
- Review and adapt for **package name changes**
- Ensure compatibility with **Jakarta version upgrade within your integration component**
- Update configurations

Maintenance & Support Timeline :

- Until **31st December 2025**, both **Oxalis 7.x.x** & **Oxalis-NG** will be maintained
- After that, **only Oxalis-NG** will receive updates and support

Oxalis – [Oxalis/Oxalis-AS4 v7.0.0](#) Release [1/2]



Key Changes & Enhancements:

- [Oxalis v7.0.0](#) and [Oxalis-AS4 v7.0.0](#) are major releases that introduce significant changes
- **Package name change** leading to incompatibility with previous versions
- **Jakarta version upgrade** for improved compatibility
- **Requires upgrade to Tomcat 10.x**
- **Runs with all Java versions from 11 to 23** without any workaround or warning messages
- **Updated ELMA SMP domain**
- **Replaced old revoked AP test certificate** with **Norstella test AP certificate**
- **Updated SMP Prod and Test Certificate**

Dependency Upgrades:

- **Peppol-specifications** upgraded to **2.3.0**
- **pkix-ocsp** upgraded to **2.3.0**
- **commons-certvalidator** upgraded to **4.4.0**
- **vefa-peppol** upgraded to **3.8.0**
- **Guava** upgraded to **33.3.1-jre**
- **H2 database** upgraded to **2.3.232**
- **dnsjava** upgraded to **3.6.2**
- **Logback** upgraded to **1.5.6**
- **Jetty** upgraded to **11.0.24**

Vulnerability Scanning Report:

- **GitHub Dependabot:** No vulnerabilities found
- **Sonatype Scan:**
 - **1 High** vulnerability in **angus-mail** (No fix available yet)
 - **2 Medium** vulnerabilities in **H2 database** and **Jetty** (No fix available yet)

Artifacts:

- **Maven Repository:** Artifacts available in [Oxalis Network repositories](#)
- **Docker Hub:** Available at [Norstella Docker Hub](#)

Action Items for Developers:

- Upgrade to **Tomcat 10.x**
- Review and adapt for **package name changes**
- Ensure compatibility with **Jakarta version upgrade within your integration component**

Oxalis-NG Contribution & Issue Management [1/2]



Project Wiki: [Oxalis-NG Wiki](#)

Issue Management: GitHub Issues: [Issue Tracker](#)

- **Bug Report:** Reporting defects or unexpected behavior
- **Feature Request:** Suggesting new features or improvements
- **Security Vulnerability:** Reporting security concerns confidentially

Bug Report:

- **Submitting Bug Report:** [Bug Report Section](#)
 - Clearly describe the issue
 - Steps to reproduce
 - Expected vs. actual behavior
 - Logs or error messages if available

Feature Request:

- **Request a Feature:** [Feature Request Section](#)
 - Explain the proposed feature
 - Provide use cases
 - Describe potential benefits

Reporting Security Vulnerabilities:

- **Security Guidelines:** [Security Policy](#)
 - Follow the Security Policy guidelines
 - Report issues discreetly

Questions & Discussions:

- **Where to Ask Questions:** Use GitHub Discussions or Issues
- **Encouraged Topics:**
 - Usage inquiries
 - Best practices
 - Community-driven support



Oxalis-NG Contribution & Issue Management [2/2]



Code of Conduct:

- **Full Code of Conduct:** [Code of Conduct](#)
- **Community Guidelines:**
 - Be respectful and inclusive
 - Follow professional etiquette

Contribution Guide:

- **Contribution Guidelines:** [Contribution](#)
- **How to Contribute?**
 - Fork & Clone repository
 - Create feature branch
 - Follow coding guidelines
 - Submit a Pull Request (PR)

Pull Request Template:

- **PR Template:** [Pull Request](#)
- **How to Contribute?**
 - Provide a clear description
 - Reference related issues
 - Follow coding standards

Oxalis Dashboard – Brief Walkthrough



Oxalis Community dashboards provide structured project management and progress tracking for ensuring transparency, collaboration, and efficiency across different stakeholder groups

Public Dashboard: [Oxalis Community Public Dashboard](#)

Members' Dashboard: [Oxalis Community Members' Dashboard](#)

Developers' Dashboard: [Oxalis Developers' Dashboard](#)

PFUOI v4.3.0 - Introduction of PINT Wildcard Exact Match



Policy for use of Identifiers (PFUOI) v4.3.0 published on 9th October 2024 and it will be replacing current production version 4.2.0. It is planning to changes the semantics of the “peppol-doctype-wildcard” Document Type Identifier Scheme by introducing "exact match" in addition to current "best match".

Oxalis support for PFUOI v4.3.0

Oxalis will start supporting Policy for use of Identifiers (PFUOI) v4.3.0 in **Q1, 2025 i.e., in March 2025 releases.**

- PFUOI v4.3.0 will be supported in Oxalis/Oxalis-AS4 **6.8.x**, Oxalis/Oxalis-AS4 **7.x.x** and Oxalis **NG 1.x.x**
- 6.8.x will be **last** version of release of **6.x series**. No more further release in **6.x series** after **March 2025**
- 7.x.x will be supported till 31st December 2025, Only Oxalis-NG will be supported after 31st December 2025

Migration Process - The process of migration towards new wildcard identifier scheme in PINT:



T0: Peppol Policy for the Use of Identifiers published: **9th October 2024**

T1: Switchover to the new SMP lookup algorithm (Sender Side) : **May 15th, 2025**

T2: Switchover to the mandatory use of the wildcard scheme (Receiver SMP Registration) in PINT: ~ **August 27th, 2025**

T3: Phase-out of PINT exact match registrations with the busdox scheme: **3 months after T2**

MLS and Validator Engine – Demo



- **MLS Specification Update**

- MLS Specification expected to be published soon for public review. Expect some enhancement to the original MLS specification along with introduction of SPIS

- **MLS and Validation: Feedback**

- What validation tools are currently being used by you as an Oxalis users?
 - Open-Source tools like Vefa-Validator?
 - In-house validation tools based on Schematron (SCH) or XSL?
 - A combination of both Open Source and In-house tools?
- Challenges faced while using existing validation tools/ways?

- **What If Oxalis Community Provides Validation Library & Artifacts?**

- Oxalis Community Contributions:
 - Maintain and extend a validation library (e.g., Vefa-Validator)
 - Provide validation artifacts for most (if not all) Peppol BIS and PINT formats
 - Ensure validation artifacts are updated for November and May releases
- Would this initiative be beneficial for this community? E.g.
 - Reduced effort in maintaining individual validation tools
 - Community-driven updates ensure up-to-date validation standards

Reference: MLS was covered in March 6th, 2024 : <https://www.oxalis.network/tech-dialog-meeting-060324> (There are likely some additions to original workgroup specification like SPIS etc but expect things overall same. We will cover latest specifications in more details in next Technical Meeting)

Discontinuation of Docker Image Support?



Oxalis initially provided Docker images as an **optional feature** under the [Norstella Docker Hub](#). However, maintaining high-quality Docker images without vulnerabilities requires continuous scanning, security patching, and regular maintenance. Given the limited bandwidth due to multiple upcoming OpenPeppol requirements, handling multiple releases (6.x, 7.x, and NG), and the cost implications of scanning multiple repositories, the Oxalis Management Team (OMT) is considering **discontinuing** support for this optional feature.

Before making a final decision, OMT seeks feedback from Oxalis members to understand their reliance on these Docker images.

Key Considerations for the Decision:

1. **Security & Maintenance** – Regular vulnerability scanning and patching are necessary to maintain high-quality images
2. **Resource Allocation** – Managing Docker image releases alongside OpenPeppol requirements and multiple versions is resource-intensive
3. **Cost Implications** – Scanning and maintaining multiple repositories incur additional costs
4. **Focus on Core Development** – Discontinuing Docker image releases will allow the team to prioritize core functionalities and upcoming OpenPeppol changes

Impact on Technical Teams:

- **Existing Docker Images** – No further updates, patches, or security fixes will be provided beyond the deprecation date
- **Alternative Deployment Strategies** – Teams will need to transition to other deployment approaches

Feedback & Survey:

To ensure an informed decision; we request Oxalis members to provide input on the following:

1. Are you as Oxalis users relying on Docker images?
2. Are Oxalis users utilizing images provided in the [Norstella Docker Hub](#)?
3. If OMT discontinues Docker image releases, then you as Oxalis Docker images users will be able to create and maintain your own Docker images?

The survey will be conducted through GitHub or another tool to gather community feedback.

Steps for Final Decision:

1. Discussion in the Oxalis Technical Meeting (**This Meeting**)
2. Conducting a survey/poll via Slack, GitHub or an alternative platform
3. Final email communication to announce the decision

Next Steps for Teams:

1. Assess dependency on Oxalis Docker images within your solution
2. Provide feedback through the upcoming survey
3. Prepare for transition based on the final decision

Oxalis Performance Metrics



As discussed in the last Technical Meeting (December 2024), we aim to analyze the performance of various Oxalis components. However, due to limited bandwidth, dedicated time for this analysis has not yet been allocated. If you or your performance engineering team have already conducted performance tests, we encourage you to share your findings with us. This information will be valuable in identifying areas requiring improvement.

What We Need From You:

1. Share Performance Data:

- Have you conducted performance testing on Oxalis components?
- Are you willing to share the results?

2. Ways to Capture Data:

- Performance reports generated from tools like Dynatrace, JMeter, New Relic, etc
- Screenshots of performance metrics
- Any documentation highlighting bottlenecks, throughput issues, or other performance concerns

3. Timeline for Reporting Performance Metrics:

- Please share collect data **before 31st March 2025**
- Submit reports either through **slack** channel or oxalis@norstella.no

Your contributions will help improve the efficiency and reliability of Oxalis components. Looking forward to your valuable insights !!!

Next Steps



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- Still questions? contact us:
 - Slack Channel: <https://norstellaoxalis.slack.com>
 - Email: oxalis@norstella.no
 - Contact us Form: <https://www.oxalis.network/contact-us>
 - Website: <https://www.oxalis.network/>
 - Github Issues: <https://github.com/OxalisCommunity/oxalis/issues>
 - GitHub Discussion: <https://github.com/OxalisCommunity/oxalis/discussions>



oxalis

More information:
www.oxalis.network