



Oxalis Community

Technical Dialog Meeting

Wednesday September 21st 2022 @ 10AM CET

Agenda

- 1: Latest Status on Update of the Java version
- 2: Reporting (Today's main topic)
- 3: PINT DDTS Update
- 3: Oxalis Survey
- 4: BPC Teaser
- 5: Any Other Business?



Oxalis – Latest Status Update



- Oxalis release since last Technical meeting:
 - [Oxalis 5.4.0](#) (Used Peppol Specifications & certificate validator which are now available under Oxalis Community umbrella and fixed number of security Vulnerabilities including long pending BouncyCastle upgrade)
- Complete control over Peppol dependencies used by Oxalis
 - Earlier we were using “[efm-certvalidator](#)” and “[efm-commons-lib](#)”(commons-bdx, commons-busdox, commons-sbdh) from [felleslosninger](#) and “[pkix-ocsp](#)” from [klakegg](#), but now these are available under [Oxalis Community repositories](#).
 - Not just moved those repository under Oxalis Community umbrella but also started maintaining and releasing them. These repositories now build and released by us. All artifacts related to these repositories are now available in maven repository.
- Java 17 support - Thanks to “Dmitriy Lapko” for amazing contribution so far 🙌
 - Java Upgrade is now one among top priorities
 - Main development item for October 2022
 - Java 17 Feature branch exist for [Oxalis](#) and [Oxalis-AS4](#)
 - Java 17 as runtime work out of box
 - Compile Support : things to decide : To maintain Java 8 and Java 17 versions and artifacts OR only Java 17 compile & artifacts.
 - Since number of new features are due in upcoming Oxalis version so is it OK for your organization to immediately change to Java 17?
- Contribution:
 - Interested in Contribution – There are plenty of things – Java Upgrade, Github issues, Reporting, BPC support and so on? Give us your Github-ID. You will get access to [Developer](#) backlog
 - Community chosen Slack channel: “[norstellaoxalis.slack.com](#)” for regular discussion. We are 18 members now. All contributors are invited to join.
 - Recently there was lot of contribution from “Dmitriy Lapko” and “Richard van Maaren” in number of Github issues and discussions. Great work 🙌

Oxalis - Reporting Support



Reporting Specification: [Transaction Statistics Reporting](#)

- [SBDH Envelope Specification](#) (Sender and Receiver country code in SBDH as per “ISO-3166-1” in the Alpha-2 notation)
- Creating SBD header – Service provider is responsible to create business document with SBD header
- C1 and C4 country codes will be available as part of SBD header. These are mandatory fields for reporting.
- These Country codes will be stored along with other fields like AP Identifier (CN Name), Direction (IN/OUT), DocumentType, Profile, Sender, Receiver, Channel and Date so that they can be used for generating Monthly transaction report.
- Oxalis will provide support for Parsing/Reading country codes but aggregating*, validating* and sending* Transaction Statistics Report XML to Peppol AP is subjected to condition.
- Different service provider have different implementation to store these details. Example case are backend DB and Filesystem
 - Oxalis do have legacy code to store traffic information in multiple DB (H2, HSQL, MS SQL Server, MySQL, Oracle etc) , You can create/use Oxalis statistics plugin for that. Help to integrate plugin can be provided if Oxalis AP users choose this option.
 - Some Service Provider use file-based mechanism to create transaction report. TBD about it's support after analysis.
- Based on agreed* source of truth, a tool can be created which will fetch details, validate it and will send monthly Transaction Statistics Report XML to Peppol AP.
- [Peppol End User Reporting BIS](#)
 - Unfortunately, end-user reporting can't be created/generated by Oxalis because of scope and purpose of software.
 - As of now, Oxalis is only acting as plain communication (AS4/AS2) engine, validation and transformation is out of scope of this software. .
- Reference Material
 - [Reporting Specification](#)
 - [Reporting BIS details with SBDH specification](#)
 - [OpenPeppol Reporting BIS Presentation](#)

*- Subjected to the agreement on mode of collection of data among Oxalis AP users i.e., in Database or File system or both

PINT DDTS Update



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- [PINT PoC Reference Group](#) is working with Peppol Authorities, AP & SMP Service Providers, and End Users
 - PINT data model created by AUNZ, EU, JP, SG and PINT. Review period is over.
 - E2E scenarios are expected from each participant (AP & SMP Service Providers, and End Users)
 - Detailed demo of Playground was presented in last meeting.
 - Oxalis is first AP software library which implemented PINT/DDTS changes.
 - Oxalis will participate in AP testing once we get access to SMP and Playground. (Request Raised)
 - Stay in touch though Slack, GitHub discussion for more information on same.

Mid Summer - Oxalis Survey



We sent “mid summer survey” and published it at various place (Github, LinkedIn etc) to decide future course of action for Oxalis software.

Total 5 questions were asked, and it will take less than 1 minute to record your choice/answer to decide Oxalis future. It is anonymous survey

Following are the questions:

1. Do you want to support emerging market profile like BPC, CEF, ENTSOG etc?
2. Deprecation or Removal of AS2 Transport Protocol support in Oxalis
3. How much importance do you give to security vulnerabilities with High Severity?
4. How are you using Oxalis? As an API included as maven dependency OR Standalone OR Wrapper?
5. Oxalis (Oxalis and Oxalis-AS4) version used by you as an Access Point Provider/Service Provider for both inbound and outbound Peppol traffic

More details can be found at : <https://github.com/OxalisCommunity/oxalis/discussions/categories/polls>

BPC Teaser



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- SML Specification: It is based on [OASIS BDXL 1.0](#) specification, participant records are maintained as NAPTR records instead of CNAME based record as in OpenPeppol.
 - SMP Specification: It is based on OASIS SMP 2.0 ([OASIS BDXR SMP 2.0](#))
 - AS4 specification: : It is based on OASIS AS4 ([BDXR AS4](#))

Oxalis GitHub Dashboard / ROADMAP



Public Dashboard: <https://github.com/orgs/OxalisCommunity/projects/12>

Dashboard for Gold and Regular Members: <https://github.com/orgs/OxalisCommunity/projects/11/views/1>

Oxalis Developers Dashboard: <https://github.com/orgs/OxalisCommunity/projects/13/views/1>

Any Other Business (AOB)

- Open discussion



More information:
www.oxalis.network