

Oct 2, 2025

UNTP Technical WG

Invited bvanderpol@usetappr.com

Attachments  UNTP Technical WG

Meeting records  Transcript

Summary

Harley Thomas welcomed participants to the technical working group, whose purpose is to address GitLab issues labeled "working group technical." Kris Tucker, Bas van der Pol, and Harley Thomas introduced themselves and offered their contributions, with Bas van der Pol awaiting GitLab access and Harley Thomas encouraging contributors to address "CAS 2 review" issues. The group discussed the identity resolver as a core UNP component for discovering item information, identifier types, and interoperability for supply chain traceability with DPPs, and the refactoring of the identity resolver specification.

Details

- **Meeting Introduction and Group Purpose** Harley Thomas welcomed participants, noting the volunteer nature of the work and its open-source, public-good focus ([00:00:00](#)). They introduced the technical working group, explaining that its primary role is to address GitLab issues labeled "working group technical" by discussing and resolving them ([00:01:55](#)).
- **Participant Introductions and Contributions** Kris Tucker shared that they are exploring various working groups from a policy and business development perspective, aiming to learn more ([00:03:38](#)). Bas van der Pol, founder of Tapper, a DPP solution provider for textiles, expressed excitement about UNP's goals and offered to contribute insights and implementation efforts ([00:04:31](#)). Harley Thomas, CTO of Trust Providence, a traceability and sustainability data capture

company in Australian agriculture, also offered their expertise, particularly in guiding the group and tackling GitLab issues ([00:06:16](#)).

- **GitLab Access and Issues** Bas van der Pol noted they were awaiting administrator approval for GitLab access and would follow up with Harley Thomas on Slack for assistance ([00:08:00](#)). Harley Thomas also addressed concerns about the "CAS 2 review" issues, explaining they were suggestions from a review of the UNP to ensure alignment, and encouraged technical contributors to address them ([00:09:59](#)).
- **Identity Resolver Explanation and Use Cases** Harley Thomas detailed the identity resolver, a core UNP component that enables discovering information about an item given its ID ([00:11:05](#)). They provided an example from Australian agriculture, explaining how RFID tags on cows can be resolved to a link set providing further information about the animal ([00:12:20](#)). Harley Thomas clarified that the identity resolver acts as a registry, directing users to relevant links about a specific ID rather than performing a general search ([00:15:24](#)).
- **Discussion on Identifier Types and Interoperability** Kris Tucker inquired whether the identity resolver could handle partial matches for batches, to which Harley Thomas clarified it points to specific identifiers, whether serialized or batched, rather than searching ([00:14:14](#)) ([00:18:39](#)). Carolyn Prevett emphasized that information from the resolver should be accessible without specific systems, ideally by scanning a QR code, and discussed the application of unique product identifiers versus serialized identifiers across industries ([00:16:20](#)). Bas van der Pol further explored how this system could work for textiles, specifically how fabric identifiers could be integrated into the final product's Digital Product Passport (DPP) ([00:20:37](#)).
- **Supply Chain Traceability with DPPs** Harley Thomas elaborated on how different IT systems and identifiers across a supply chain can be linked, citing an example of tracing red meat back to individual cows and their feed through a series of DPPs and traceability events ([00:22:51](#)). Carolyn Prevett highlighted that this concept underscores the need for interoperability between DPPs and systems, advocating for a standardized global language like JSON to enable seamless information flow throughout the supply chain ([00:25:43](#)).
- **Identity Resolver Specification Refactoring** Harley Thomas discussed an open pull request (PR) aimed at refactoring the identity resolver specification to differentiate more clearly between "registry managed identifiers" (like GS1) and

"self-issued decentralized identifiers (DIDs)" ([00:31:07](#)). They clarified that the refactoring is primarily for clarity and organization, ensuring the document is easier to understand for implementers and those creating extensions ([00:32:14](#)). Harley Thomas invited review of the PR, seeking feedback on clarity and impact, with the goal of closing it soon to facilitate work on other related tickets ([00:34:25](#)).

Suggested next steps

- ☐ Carolyn Prevett will reach out to her network to see if anyone is interested in contributing to the surplus 2 review issues on a more technical level.
- ☐ Bas van der Pol will look into the GitLab issues and contribute.
- ☐ Harley Thomas will leave the open PR for the identity resolver up for another day or so and get Steve and Zach to review it.
- ☐ Bas van der Pol will drop a message on Slack about the GitLab account approval issue, and Harley Thomas will follow up with the right people to ensure Bas van der Pol gets approved.

You should review Gemini's notes to make sure they're accurate. [Get tips and learn how Gemini takes notes](#)

Please provide feedback about using Gemini to take notes in a [short survey](#).