

This document contains a comprehensive report of the Month 3 XCM SDK, XCM ROUTER & XCM API maintenance period.

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1. Short description

During may we focused mainly on maintenance tasks, we also brought 2 research articles about Polkadot and cross-chain use cases from which one is already published in the ACM library and was presented on international conference in Avila. We introduced multi multiasset customisation for currency parameters meaning, that users can now confidently transfer multiple currencies and choose fee asset. Another great milestone improvement was the introduction of transfer info queries. These queries are useful for front-end developers and include transfer fee details and many other XCM and balance-related information.

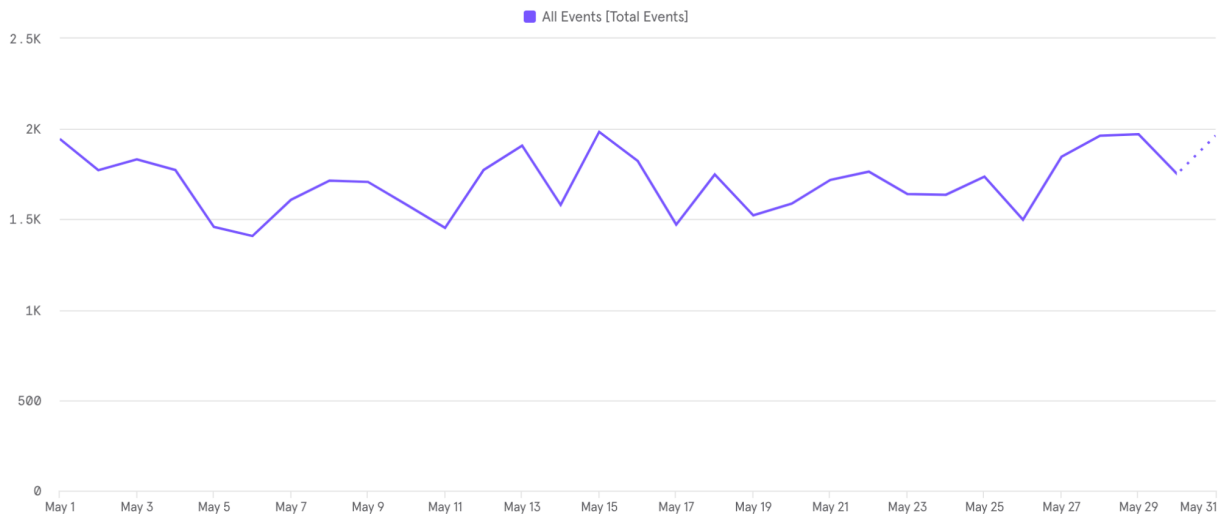
2. A detailed breakdown of the work

Work breakdown table		Description
https://github.com/paraspell/xcm-tools/issues/223	40 / 120 hours	The issue introduced multi-multilocation currency input. Users can now send multiple currencies and select fee asset
https://github.com/paraspell/xcm-tools/issues/181	55 / 120 hours	The issue introduced a claim asset function that allows for recovering assets trapped during XCM

https://github.com/paraspell/xcm-tools/issues/209	60 / 120 hours	The issue added the XCM-Analyser tool into Playground so everyone can try it without the need to install it manually
https://github.com/paraspell/xcm-tools/issues/169	61 / 120 hours	The issue bumped the version of the node that is used in our packages. This was done to enhance security and speed.
https://github.com/paraspell/xcm-tools/issues/168	63 / 120 hours	The issue resolved release config issues. The issue happened when release please simultaneously opened PRs for multiple tools
https://github.com/paraspell/xcm-tools/issues/164	65 / 120 hours	The issue resolved small amounts being swapped. Amounts that result in negative numbers now give an error.
https://github.com/paraspell/xcm-tools/issues/204	90 / 120 hours	The issue introduced transfer info for XCM calls. This information includes balances, fees, asset symbols and more.
https://github.com/paraspell/xcm-tools/issues/186	100 / 120 hours	The issue introduced the refactoring of all three major scripts (Asset, Pallet and Existential deposit updating scripts).
https://github.com/paraspell/xcm-tools/issues/162	100 / 120 hours	The issue was resolved by adding transfer info into SDK.
https://github.com/paraspell/xcm-tools/issues/233	105 / 120 hours	The monthly maintenance check introduced improvements to code as well as documentation overhaul.
https://dl.acm.org/doi/10.1145/3605098.36137	120 / 120 hours	The article was presented in Avila at the international conference SAC 2024. The article is about Polkadot and cross-chain use cases.

https://medium.com/@dudo50/paraspell-maintenance-report-month-8-49cebc5cd85c	120 / 120 hours	Article about the monthly report.
Consultation hours	40 hours	Hours invested into consultations with teams implementing our tools.
Total hours spent	160 hours	

3. Outcomes / Obstacles that occurred during work



Total requests in the month: 53133

Highest request count in one day: 1984

Lowest request count in one day: 1408

Increase of 8.105% since last month

4. Next plans

From an innovation standpoint, we plan to introduce the Kusama<>Polkadot bridge, add an XCM version customisation parameter and update Playground to state-of-the-art React v19. From a maintenance standpoint, we wish to refactor and update both XCM API and XCM Router to be up to date with the latest XCM SDK changes. We also wish to include

documentation for new features such as transfer info and multi-multi locations introduced this month.

5. Conclusion

Work this month went according to plan, we have brought useful features that users requested and we accomplished another milestone on our mission to improve the XCM experience for everyone.