This document contains a comprehensive report of the Month 3 XCM Tools maintenance period.

Paraspell

Month 25 - October

Document contains:

1. Short description

During the following month, we focused on upgrading the XCM Router with new features that the SDK already had, we did a couple of refactors to keep code professional and remove technical debt, and we also improved our testing and XCM Visualizer.

2. A detailed breakdown of the work

Work breakdown table		Description
Adding pull request https://github.com/paraspell/xcm-tools/pull/1308	50 hours / 160 hours	Following PR adds dry-run bypass to end-to-end tests. This allows us to test scenarios more precisely.

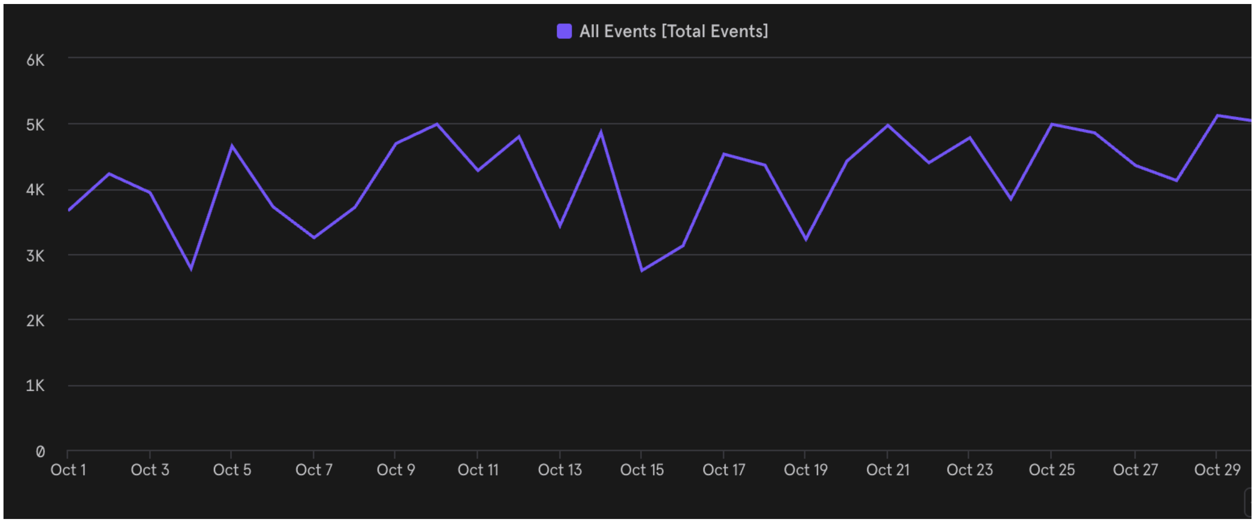
Resolving issue https://github.com/paraspell/xcm-tools/issues/1292	60 hours / 160 hours	The following issue adds dynamic reserve selection for DOT/KSM/PAS/WND transfers. Done in preparation for AH migrations.
Adding pull request https://github.com/paraspell/xcm-tools/pull/1320	65 hours / 160 hours	Following PR adds fixes for type and then extrinsics.
Resolving issue https://github.com/paraspell/xcm-tools/issues/1328	70 hours / 160 hours	The following issue adds the ability to send all for local and XCM transfers.
Resolving issue https://github.com/paraspell/xcm-tools/issues/1279	75 hours / 160 hours	The following issue adds compatibility chains that were disabled in the PAPI XCM SDK due to incompatible RPC clients.
Resolving issue https://github.com/paraspell/xcm-tools/issues/1221	78 hours / 160 hours	The following issue adds dry-run bypass to make PAPI and PJS XCM SDKs 1:1.
Resolving issue https://github.com/paraspell/xcm-tools/issues/1321	83 hours / 160 hours	The following issue adds a table for live data into XCM Visualiser so users will be able to observe real-time XCM usage.
Resolving issue https://github.com/paraspell/xcm-tools/issues/1092	90 hours / 160 hours	The following issue adds users ability to supply their own RPCs in XCM Router. A feature that was only available in the SDK until now.
Adding pull request https://github.com/paraspell/xcm-tools/pull/1346	92 hours / 160 hours	Following PR adds receivable amount query into the SDK. This query will display the approximate amount to be received in the transfer.
Resolving issue https://github.com/paraspell/xcm-tools/issues/1241	98 hours / 160 hours	The following issue adds min and max transferable amount queries into the XCM Router. These were available in SDK only up until now.

Resolving issue https://github.com/paraspell/xcm-tools/issues/1349	105 hours / 160 hours	The following issue adds dry run to the XCM Router. For both 1-click and 2-click scenarios. Both take only one call of the function, which is very convenient.
Resolving issue https://github.com/paraspell/xcm-tools/issues/1304	108 hours / 160 hours	The following issue adds various package bumps. These had lots of breaking changes, so they had to be done separately.
Resolving issue https://github.com/paraspell/xcm-tools/issues/1141	115 hours / 160 hours	The following issue migrates the XCM Router into a native bigint. Previously, we used a library, which added additional space and was not as good as native BigInt.
Adding pull request https://github.com/paraspell/xcm-tools/pull/1360	118 hours / 160 hours	Following PR adds fetching of assets with status LIVE only (If statuses are present).
Resolving issue https://github.com/paraspell/xcm-tools/issues/1053	123 hours / 160 hours	Following issue refactors findByAssetSymbol to make the code smoother and professional.
Resolving issue https://github.com/paraspell/xcm-tools/issues/1297	128 hours / 160 hours	Following issue refactors asset finding logic and dry-run internal function to make code smoother and professional.
Adding pull request https://github.com/paraspell/xcm-tools/pull/1374	135 hours / 160 hours	Following PR migrates and makes Polkadot<>Kusama fully operational again. Previously, we used only reserve transfer and transfer assets. These contain an issue which appears after migration.
Resolving issue https://github.com/paraspell/docs/issues/17	135 hours / 160 hours	The following issue adds a search bar to the documentation for smoother searching.
Adding pull request https://github.com/paraspell/xcm-tools/pull/1382	137 hours / 160 hours	The following PR includes fixes for specific scenarios. For a better user experience.

Resolving issue https://github.com/paraspell/xcm-tools/issues/1286	138 hours / 160 hours	The following issue resolves the large numbers sticking outside of the graph window in XCM Visualizer.
Adding pull request https://github.com/paraspell/xcm-tools/pull/1386	140 hours / 160 hours	The following PR includes fixes for specific scenarios. For a better user experience.
Resolving issue https://github.com/paraspell/xcm-tools/issues/1291	142 hours / 160 hours	The following issue resolves hower boxes in Visualizer because they were disappearing, and some of them were unclickable.
Adding pull request https://github.com/paraspell/xcm-tools/pull/1392	143 hours / 160 hours	The following PR includes fixes for specific scenarios. For a better user experience.
Resolving issue https://github.com/paraspell/xcm-tools/issues/1376	144 hours / 160 hours	The following issue removes the send XCM feature from XCM Visualiser.The Point of Visualizer is to be an analysis tool for researchers, this button was outdated and did not belong in that tool.
Adding pull request https://github.com/paraspell/xcm-tools/pull/1396	145 hours / 160 hours	The following PR includes fixes for specific scenarios. For a better user experience.
Monthly maintenance **https://github.com/paraspell/xcm-tools/issues/1397**	150 hours / 160 hours	Monthly maintenance check for new chains, pallet version updates and changes.
Monthly maintenance article **https://medium.com/@dudo50/paraspell-maintenance-report-month-25-d0cdbfc30357**	150 hours / 160 hours	Monthly maintenance article

Consultation hours	170 hours / 160 hours	Hours spent with teams and users supporting them in implementing the tools and providing support in support channel on telegram.
Total hours spent	**170 hours**	

3. Outcomes / Obstacles that occurred during work



Total requests in the month: 127667
Highest request count in one day: 5122
Lowest request count in one day: 2747
An increase of 1.987% since last month

4. Next plans

Next month we will continue making technical improvements in terms of infrastructure, and we plan to finish a couple of refactors we have left, so we can start focusing on implementing new features.

5. Conclusion

Overall, this month's work went according to plan, we have been able to implement everything we set ourselves to.