

Intersect Close-Out Report

The Close-Out Report must be completed on completion of the project and accompany the invoice submitted by to: billing@intersectmbo.org

The form can either be in the body of the email or as a separate attachment.

For avoidance of doubt, the Close-Out Report may be published on the Intersect website and sections may be used as publication for your work.

Organization/individual(s) Name	<i>Martin Lang</i>
Project, Contract, Grant Name	<i>SPO Scripts</i>
Date of Project completion	<i>21th May 2024</i>
Project scope as stated in the Agreement	
<i>Confirm or modify the set of new scripts for SPOs, Update all relevant SPO scripts, Including, but not limited to (i) generating new credentials as a constitutional committee member and dRep; (ii) generating and seeing the generated dRep ID; (iii) delegating to a dRep; (iv) submitting a governance action; (v) voting as an SPO, dRep and Constitutional Committee member;</i>	
Acceptance Criteria of final Milestone	
<i>Releasing the updated and new scripts on the known Github-Repo https://github.com/gitmacht1/scripts (Testnet)</i>	

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Generating Screenshots and/or a Screenrecording showing the live usage of the scripts in conway era.

What & How

All the SPO Scripts have gone thru a multiple iterations of updates for being compatible with the conway era. All existing scripts have been updated and changed to the new era requirements, updated certificates etc. New scripts have been created specifically to cover all the new governance aspects. There was also an intense testing and support phase for Hardware-Wallet implementation for Ledger- and Trezor-Hardwarewallets. So that those can also be used for governance now. All these processes had to be repeated multiple times, because of bugfixes and updates of cardano-node, cardano-cli & cardano-hw-cli during the grant phase. I wanna point out the countless github issues i raised over the last months:

<https://github.com/IntersectMBO/cardano-node/issues?q=author%3Agitmachtl+>

<https://github.com/IntersectMBO/cardano-cli/issues?q=author%3Agitmachtl+>

Where

Scripts have been deployed/released in the Testnet-Folder of the general SPO-Scripts Repo <https://github.com/gitmachtl/scripts>

A screenrecording video was uploaded to YT at the following URL, showing the usage:

<https://youtu.be/jXzPyz6Vqtc>

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Quality/Testing

The scripts have been updated on a "rolling-release" base, so once i had updated some parts, that work was shared with the community via the Github-Repo. The scripts are used now for several weeks by various users and SPOs on the SanchoNet-Testnetwork. Reported Issues were directly addressed and resolved in a fast response.

Communication of overall project

The SPO Scripts (StakePool Operator Scripts) are an important part of the SPO community and also "Power-CLI" users around the world. The goal was always to provide simple solutions people can use, look at and study. It's all OpenSource, so it can be easily modified by others too. The SPO Scripts always had features that other projects did not have. Like being the first with Hardware-Wallet Support, or making Minting a Token as easy as just sending a normal transaction. The same standard was now repeated with the whole new update for the Conway era. The scripts support SPOs, dReps, Committee-Members and any other CLI-User to generate their needed keys, delegate voting power to dReps, generate Governance-Actions and of course submit votes on the chain. And this is all again with extended Hardware-Wallet Support. So for example a dRep or a Committee-Member can generate their keys and submit their votes on a Hardware-Wallet for enhanced security.

Demo of the completed Project that proves the scope was achieved

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Scripts have been deployed/released in the Testnet-Folder of the general SPO-Scripts Repo <https://github.com/gitmachtl/scripts> (Testnet)

Scripts will also be moved over to the Mainnet section, once the latest cardano-node/cli is greenlit by the IOG-/Intersect DevTeam to be Mainnet ready.

A screenrecording video was uploaded to YT at the following URL, showing the usage:

<https://youtu.be/jXzPyz6Vqtc>

Key takeaways learned from this Project

At the time accepting the grant i knew, that there are still some hurdles to be taken out by the IO team in regards of cardano-node and cardano-cli issues. But, the amount of chain respins, new/changed features and schedules to wait for fixed reported bugs was longer than i had wished for. Doing also Hardware-Wallet testing was not on my schedule, but had to be done to fulfil the project because the SPO Scripts were always the first that implemented new stuff related to Hardware-Wallet. Cardano-node and cardano-cli are still getting updates and changes every day, but thats out of the scope of this grant. However, i will of course continue to support the project and will do updates in the future like i did in the past.

Accepted By Name & Email

<name of individual accepting the Close-Out Report>

Accepted By Role

<role of individual accepting the Close-Out Report>

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Approved By Intersect	<i><intersect will date and sign as proof of delivery and closure of project></i>
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Close-Out Report Guidance:

Accepted By - this should be the person responsible for completing the Quality or Testing review, the person of suitable expertise to attest that the final milestone has been completed and satisfied with the close-out report. It should not be a person from the delivering organization.

Communication - the cardano ecosystem thrives due to open participation and membership. Intersect will announce deliverables and celebrate the success of its partners. Please provide a few words on how we can best articulate and share this project being completed.