

2018-01-08 Mycelium Project Status Report

General Project Information

Project Name	Mycelium Integration
Project Manager	Robert Wiecko
Reporting Date	08 Jan 2018
Reporting Period	From 01 Jan 2018 to 08 Jan 2018

Status of work

Overall Status				
<p>1. Very first version of SPV Dash Module (for testnet) published on Google Play: https://play.google.com/store/apps/details?id=org.dash.mycelium.spvdashmodule.testnet</p> <p>2. Initialisation of wallets using coin level keys works for btc and bch modules, dash still bases on master seed.</p> <p>3. Finally managed to perform tests of multiple modules working simultaneously. A lot of things need to be improved, but the practical sense of core architecture functionality has been confirmed.</p> <p>Project is on track.</p> <p>Budget and Resources on optimal level.</p> <p>Risks: Still waiting for the improvements in bitcoinj library be merged into official branch. Coin level keys not yet implemented in dashj library.</p>				
Status RAG	Time	Budget	Resources	Risks
	GREEN	GREEN	GREEN	MEDIUM

Completed Tasks. Progress and Achievements Since Last Reporting Period

#	Task	Time	Description / Comments
1	Work on Dash module	On time	<p>Dash module moved to its own repository: https://github.com/tomasz-ludek/wallet-android-spvmodule-dash</p> <p>First version released on Google Play: https://play.google.com/store/apps/details?id=org.dash.mycelium.spvdashmodule.testnet</p> <p>Dash type account can now be added directly from mbw UI (dummy wallet supported)</p>
2	Code repository	On time	<p>In order to support creating 3rd party modules git submodules were introduced. Each module can now exist on separate repository and only the specific revision is bound to particular version of mbw.</p>
3	Coin level keys	On time	<p>Initializing wallets using coin level keys works for btc and bch modules, dash still bases on master seed (coin level keys support to be added by @hashengineering soon).</p>
4	Multi module interoperability	On time	<p>Finally managed to perform tests of multiple modules working simultaneously. A lot of things need to be improved, but the practical sense of core architecture functionality has been confirmed.</p>

Tasks Planned for the Next Reporting Period

	Task	Description / Comments
1	Work on Dash module	Test sending funds and improve transaction fees handling.
2	Coin level key	Handle changes made by PR#1341

3	Modifications of BitcoinJ	Implementation of coin level keys is currently in acceptance state, at the first glance everything seems to work well. We are now working on related changes in the code to be accepted by Andreas Schilbach (BitcoinJ). Simmilar changes also made in BitcoinCashJ and DashJ, testing in progress.
4	Production and Testnet release	Working on production release with changelly integration and testnet release with BitcoinCash integration and changelly conversion. Improving configuration of communication layer (signatures and pacages) for variety of release configurations.

Problems and Obstacles

#	Task	Description	Owner	Priority
1	N/A			

Action Items