

## Kusama Treasury Report

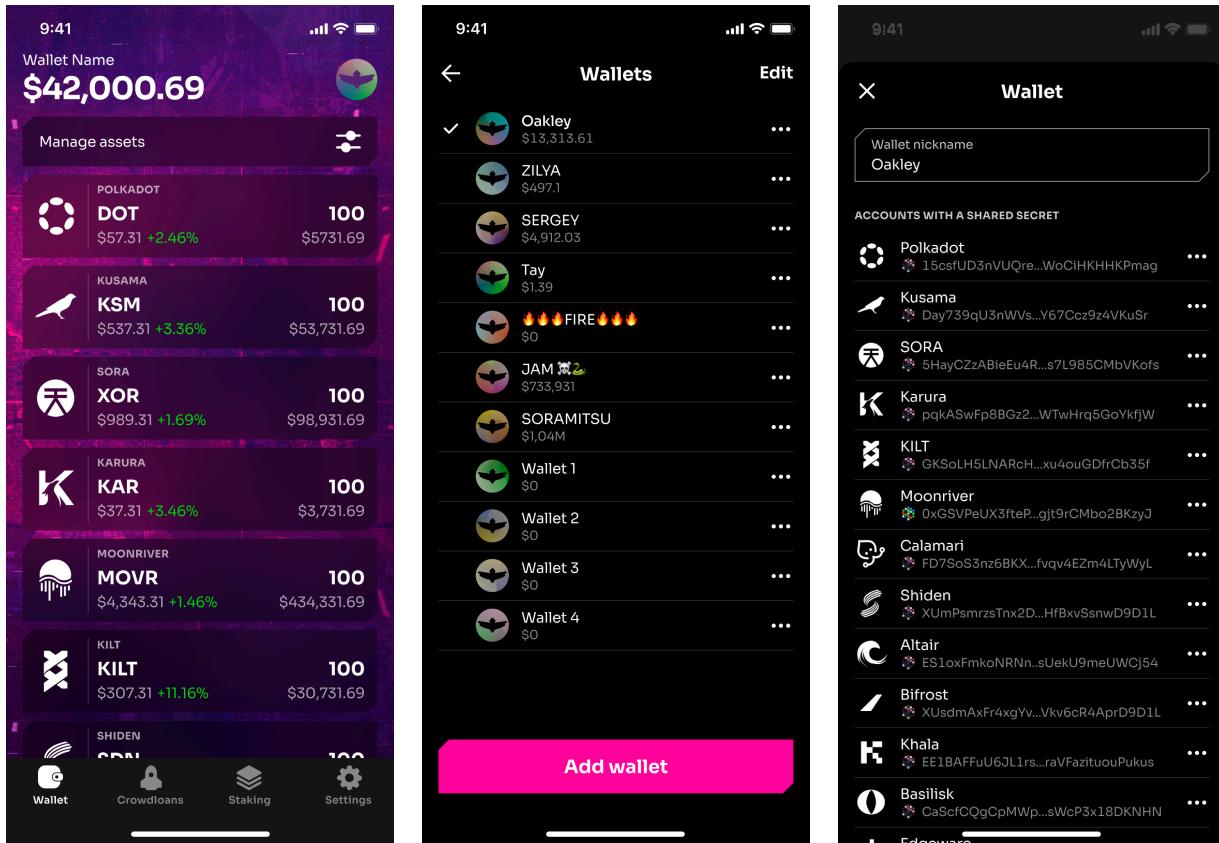
### Fearless Wallet: Multi-asset & networks support

**Proponent:**

FyLYnuNoMAVkz1VZMMGZFHDpghQQm1916fCon1CqNt2aXbX (SORAMITSU, Kusama)

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**Short description:**



- Add support of META-accounts:** In a META-account one private key will be used to generate accounts for each network by default, and users can replace accounts for each network individually inside a META-account.



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- **Multi-asset support:** The Mobile app will be connected to all supported Substrate networks and the UI will allow users to manage utility tokens & features without switching to separate accounts and/or changing networks.
  - **New networks:** This proposal covers multi-assets in terms of **Polkadot**, **Kusama**, and **Statemine** (including Westmint) networks. Other networks (e.g. parachains) will be integrated along with parachain teams, or added by the Fearless Wallet team without any grant if the integration process is straightforward, with reusage of default Substrate pallets.
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## Overall statuses of the development progress:

#	Description	iOS status	Android status	Comments
1	<b>Architecture &amp; Libraries features:</b>			
1.1.	<b><i>Adapt Fearless Wallet for adding custom networks support</i></b>			
	New database model implementation	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/core-db/src/main/java/jp/co/soramitsu/core_db/model/chain/MetaAccountLocal.kt">https://github.com/soramitsu/fearless-Android/blob/master/core-db/src/main/java/jp/co/soramitsu/core_db/model/chain/MetaAccountLocal.kt</a> <a href="https://github.com/soramitsu/fearless-iOS/tree/master/fearless/Common/Storage/UserDataModel.xcdatamodeld/MultiassetUserDataModel.xcdatamodel">https://github.com/soramitsu/fearless-iOS/tree/master/fearless/Common/Storage/UserDataModel.xcdatamodeld/MultiassetUserDataModel.xcdatamodel</a>
	New secret store implementation	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/common/src/main/java/jp/co/soramitsu/common/data/secrets/v2/SecretStoreV2.kt">https://github.com/soramitsu/fearless-Android/blob/master/common/src/main/java/jp/co/soramitsu/common/data/secrets/v2/SecretStoreV2.kt</a> <a href="https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/Model/KeystoreTag.swift">https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/Model/KeystoreTag.swift</a>
	Users migration	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/core-db/src/main/java/jp/co/soramitsu/core_db/migrations/V2Migration">https://github.com/soramitsu/fearless-Android/blob/master/core-db/src/main/java/jp/co/soramitsu/core_db/migrations/V2Migration</a> .



				kt <a href="https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/Migration/UserStorage/SingleToMultiassetMigrationPolicy.swift">https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/Migration/UserStorage/SingleToMultiassetMigrationPolicy.swift</a>
	Database migration	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/core-db/src/main/java/jp/co/soramitsu/core_db/migrations/Migrations.kt">https://github.com/soramitsu/fearless-Android/blob/master/core-db/src/main/java/jp/co/soramitsu/core_db/migrations/Migrations.kt</a> <a href="https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/Migration/UserStorage/SingleToMultiassetMigrationPolicy.swift">https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/Migration/UserStorage/SingleToMultiassetMigrationPolicy.swift</a>
	Secret storage migration	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/core-db/src/main/java/jp/co/soramitsu/core_db/migrations/V2Migration.kt">https://github.com/soramitsu/fearless-Android/blob/master/core-db/src/main/java/jp/co/soramitsu/core_db/migrations/V2Migration.kt</a> <a href="https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/Migration/UserStorage/SingleToMultiassetMigrationPolicy.swift">https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/Migration/UserStorage/SingleToMultiassetMigrationPolicy.swift</a>
<b>1.2.</b>	<b><i>Adapt Fearless Wallet networking for connecting to multiple networks at one time</i></b>			
	Chain registry approach implementation	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/runtime/src/main/java/jp/co/soramitsu/runtime/multiNetwork/ChainReg">https://github.com/soramitsu/fearless-Android/blob/master/runtime/src/main/java/jp/co/soramitsu/runtime/multiNetwork/ChainReg</a>



				istry.kt <a href="https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/Services/ChainRegistry/ChainRegistry.swift">https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/Services/ChainRegistry/ChainRegistry.swift</a>
	Support sync of available chain list with public GitHub repository	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/runtime/src/main/java/jp/co/soramitsu/runtime/multiNetwork/chain/ChainSyncService.kt">https://github.com/soramitsu/fearless-Android/blob/master/runtime/src/main/java/jp/co/soramitsu/runtime/multiNetwork/chain/ChainSyncService.kt</a> <a href="https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/Services/ChainRegistry/ChainSyncService.swift">https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/Services/ChainRegistry/ChainSyncService.swift</a>
	Support pool of connections to all networks	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/runtime/src/main/java/jp/co/soramitsu/runtime/multiNetwork/connection/ConnectionPool.kt">https://github.com/soramitsu/fearless-Android/blob/master/runtime/src/main/java/jp/co/soramitsu/runtime/multiNetwork/connection/ConnectionPool.kt</a> <a href="https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/Services/ChainRegistry/ConnectionPool/ConnectionPool.swift">https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/Services/ChainRegistry/ConnectionPool/ConnectionPool.swift</a>
	Support pool of SCALE encoder/decoder instances for each network based on dynamic runtime metadata and types	Done	Done	<a href="https://github.com/soramitsu/fearless-utils-Android/blob/develop/fearless-utils/src/main/java/jp/co/soramitsu/fearless_utils/runtime/definitions/v14/TypesParserV14.kt">https://github.com/soramitsu/fearless-utils-Android/blob/develop/fearless-utils/src/main/java/jp/co/soramitsu/fearless_utils/runtime/definitions/v14/TypesParserV14.kt</a> <a href="https://github.com/soramitsu/fearless-utils-iOS/blob/develop/FearlessUtils/Definitions/TypesParserV14.swift">https://github.com/soramitsu/fearless-utils-iOS/blob/develop/FearlessUtils/Definitions/TypesParserV14.swift</a>



				<a href="https://github.com/soramitsu/fearless-utils/Classes/Runtime/Metadata/Schema/RuntimeSchema.swift">https://github.com/soramitsu/fearless-utils/Classes/Runtime/Metadata/Schema/RuntimeSchema.swift</a> <a href="https://github.com/soramitsu/fearless-utils-iOS/blob/develop/FearlessUtils/Classes/Runtime/Metadata/Schema/TypeMetadata.swift">https://github.com/soramitsu/fearless-utils-iOS/blob/develop/FearlessUtils/Classes/Runtime/Metadata/Schema/TypeMetadata.swift</a>
	Support runtime synchronizer: optimizes runtime metadata and types synchronization for each network to minimize memory consumption on a mobile device	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/runtime/src/main/java/jp/co/soramitsu/runtime/multiNetwork/runtime/RuntimeSyncService.kt">https://github.com/soramitsu/fearless-Android/blob/master/runtime/src/main/java/jp/co/soramitsu/runtime/multiNetwork/runtime/RuntimeSyncService.kt</a> <a href="https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/Services/ChainRegistry/RuntimeProviderPool/RuntimeSyncService.swift">https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/Services/ChainRegistry/RuntimeProviderPool/RuntimeSyncService.swift</a>
	Support subscription for runtime metadata version for each network	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/runtime/src/main/java/jp/co/soramitsu/runtime/multiNetwork/runtime/RuntimeProvider.kt">https://github.com/soramitsu/fearless-Android/blob/master/runtime/src/main/java/jp/co/soramitsu/runtime/multiNetwork/runtime/RuntimeProvider.kt</a> <a href="https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/Services/ChainRegistry/RuntimeProviderPool/RuntimeProvider.swift">https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/Services/ChainRegistry/RuntimeProviderPool/RuntimeProvider.swift</a>
1.3.	<b>Adapt Fearless Wallet libraries for custom networks support</b>			



	BIP 32 support	Done	Done	<a href="https://github.com/soramitsu/fearless-utils-Android/blob/develop/fearless-utils/src/main/java/jp/co/soramitsu/fearless_utils/encrypt/junction/BIP32JunctionDecoder.kt">https://github.com/soramitsu/fearless-utils-Android/blob/develop/fearless-utils/src/main/java/jp/co/soramitsu/fearless_utils/encrypt/junction/BIP32JunctionDecoder.kt</a> <a href="https://github.com/soramitsu/fearless-utils-iOS/blob/develop/FearlessUtils/Classes/Crypto/JunctionFactory/BIP32JunctionFactory.swift">https://github.com/soramitsu/fearless-utils-iOS/blob/develop/FearlessUtils/Classes/Crypto/JunctionFactory/BIP32JunctionFactory.swift</a>
	Support Nmap type	Done	Done	<a href="https://github.com/soramitsu/fearless-utils-Android/blob/develop/fearless-utils/src/main/java/jp/co/soramitsu/fearless_utils/runtime/metadata/RuntimeMetadataSchema.kt">https://github.com/soramitsu/fearless-utils-Android/blob/develop/fearless-utils/src/main/java/jp/co/soramitsu/fearless_utils/runtime/metadata/RuntimeMetadataSchema.kt</a> <a href="https://github.com/soramitsu/fearless-utils-iOS/blob/develop/FearlessUtils/Classes/Runtime/Metadata/StorageEntryType.swift">https://github.com/soramitsu/fearless-utils-iOS/blob/develop/FearlessUtils/Classes/Runtime/Metadata/StorageEntryType.swift</a>
	Support different versions of Runtime metadata	Done	Done	<a href="https://github.com/soramitsu/fearless-utils-Android/blob/develop/fearless-utils/src/main/java/jp/co/soramitsu/fearless_utils/runtime/definitions/v14/TypesParserV14.kt">https://github.com/soramitsu/fearless-utils-Android/blob/develop/fearless-utils/src/main/java/jp/co/soramitsu/fearless_utils/runtime/definitions/v14/TypesParserV14.kt</a> <a href="https://github.com/soramitsu/fearless-utils-iOS/blob/develop/FearlessUtils/Classes/Runtime/Metadata/RuntimeMetadata.swift">https://github.com/soramitsu/fearless-utils-iOS/blob/develop/FearlessUtils/Classes/Runtime/Metadata/RuntimeMetadata.swift</a>



<b>2</b>	<b>UI adaptation &amp; new features:</b>			
<b>2.1.</b>	<b>Wallet tab:</b>			
	View all assets for the META-account	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/features-account-impl/src/main/java/jp/co/soramitsu/feature_account_impl/presentation/account/details/AccountDetailsFragment.kt">https://github.com/soramitsu/fearless-Android/blob/master/features-account-impl/src/main/java/jp/co/soramitsu/feature_account_impl/presentation/account/details/AccountDetailsFragment.kt</a> <a href="https://github.com/soramitsu/fearless-iOS/tree/master/fearless/MODULES/NewWallet/ChainAccountBalanceList">https://github.com/soramitsu/fearless-iOS/tree/master/fearless/MODULES/NewWallet/ChainAccountBalanceList</a>
	Support dynamic asset list	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/features-wallet-impl/src/main/java/jp/co/soramitsu/feature_wallet_impl/presentation/balance/list/BalanceListFragment.kt">https://github.com/soramitsu/fearless-Android/blob/master/features-wallet-impl/src/main/java/jp/co/soramitsu/feature_wallet_impl/presentation/balance/list/BalanceListFragment.kt</a> <a href="https://github.com/soramitsu/fearless-iOS/tree/develop/fearless/MODULES/ManageAssets">https://github.com/soramitsu/fearless-iOS/tree/develop/fearless/MODULES/ManageAssets</a>
	Manage visible assets on the Wallet screen	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/features-wallet-impl/src/main/java/jp/co/soramitsu/feature_wallet_impl/presentation/balance/manageAssets/ManageAssetsFragment.kt">https://github.com/soramitsu/fearless-Android/blob/master/features-wallet-impl/src/main/java/jp/co/soramitsu/feature_wallet_impl/presentation/balance/manageAssets/ManageAssetsFragment.kt</a> <a href="https://github.com/soramitsu/fearless-iOS/tree/develop/fearless/MODULES/ManageAssets">https://github.com/soramitsu/fearless-iOS/tree/develop/fearless/MODULES/ManageAssets</a>
	Move asset actions to the inside of widget asset	Done	Done	<a href="https://github.com/soramitsu/fea">https://github.com/soramitsu/fea</a>



	(Send/Receive/Buy/History)			fless-Android/blob/master/featur e-wallet-impl/src/main/java/jp/co/soramitsu/feature_wallet_impl/presentation/balance/assetActions /AssetActionsView.kt <a href="https://github.com/soramitsu/fearless-iOS/tree/master/fearless/Modules/NewWallet/ChainAccount">https://github.com/soramitsu/fearless-iOS/tree/master/fearless/Modules/NewWallet/ChainAccount</a>
	Migrate from Subscan API to Coingecko API for getting token price	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/common/src/main/java/jp/co/soramitsu/common/data/network/coingecko/CoingeckoApi.kt">https://github.com/soramitsu/fearless-Android/blob/master/common/src/main/java/jp/co/soramitsu/common/data/network/coingecko/CoingeckoApi.kt</a> <a href="https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/DataProvider/Sources/CoingeckoPriceSource.swift">https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Common/DataProvider/Sources/CoingeckoPriceSource.swift</a>
<b>2.2.</b>	<b>Crowdloan &amp; Staking tab:</b>			
	Add selector of the token (DOT/KSM)	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/feature-wallet-api/src/main/java/jp/co/soramitsu/feature_wallet_api/presentation/mixin/assetSelector/AssetSelectorProvider.kt">https://github.com/soramitsu/fearless-Android/blob/master/feature-wallet-api/src/main/java/jp/co/soramitsu/feature_wallet_api/presentation/mixin/assetSelector/AssetSelectorProvider.kt</a> <a href="https://github.com/soramitsu/fearless-iOS/tree/master/fearless/Modules/ChainSelection">https://github.com/soramitsu/fearless-iOS/tree/master/fearless/Modules/ChainSelection</a>
	Shared state containing chain and asset to pass to other screens from root (Crowdloan or Staking) screen	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/runtime/src/main/java/jp/co/soramitsu/runtime/state/SingleAssetShare">https://github.com/soramitsu/fearless-Android/blob/master/runtime/src/main/java/jp/co/soramitsu/runtime/state/SingleAssetShare</a>



				dState.kt <a href="https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Modules/Crowdloan/Model/CrowdloanSharedState.swift">https://github.com/soramitsu/fearless-iOS/blob/master/fearless/Modules/Crowdloan/Model/CrowdloanSharedState.swift</a>
<b>2.3.</b>	<b><i>Settings tab:</i></b>			
<b>2.3.1</b>	<b><i>Rework Networks screen:</i></b>			
	Now display supported networks with an option to configure the connection to the network	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/feature-account-impl/src/main/java/jp/co/soramitsu/feature_account_impl/presentation/node/list/NodesFragment.kt">https://github.com/soramitsu/fearless-Android/blob/master/feature-account-impl/src/main/java/jp/co/soramitsu/feature_account_impl/presentation/node/list/NodesFragment.kt</a> <a href="https://github.com/soramitsu/fearless-iOS/tree/master/fearless/Modules/NodeSelection">https://github.com/soramitsu/fearless-iOS/tree/master/fearless/Modules/NodeSelection</a>
	Change limitation of custom nodes from to be only Polkadot/Kusama/Westend to match network	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/feature-account-impl/src/main/java/jp/co/soramitsu/feature_account_impl/presentation/node/add/AddNodeViewModel.kt">https://github.com/soramitsu/fearless-Android/blob/master/feature-account-impl/src/main/java/jp/co/soramitsu/feature_account_impl/presentation/node/add/AddNodeViewModel.kt</a> <a href="https://github.com/soramitsu/fearless-iOS/tree/master/fearless/Modules/AddCustomNode">https://github.com/soramitsu/fearless-iOS/tree/master/fearless/Modules/AddCustomNode</a>
	Users would be able to choose “auto-balance” between known nodes, or manually select node to which to connect to	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/feature-account-impl/src/main/java/jp/co/soramitsu/feature_account_impl/presentation/node/list/NodesFragment.kt">https://github.com/soramitsu/fearless-Android/blob/master/feature-account-impl/src/main/java/jp/co/soramitsu/feature_account_impl/presentation/node/list/NodesFragment.kt</a>



				sFragment.kt <a href="https://github.com/soramitsu/fearless-iOS/tree/master/fearless/M%0dmodules/NodeSelection">https://github.com/soramitsu/fearless-iOS/tree/master/fearless/M%0dmodules/NodeSelection</a>
<b>2.3.2.</b>	<b>Rework Accounts screen:</b>			
	Now display a list of META-accounts (instead of network accounts)	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/feature-account-impl/src/main/java/jp/co/soramitsu/feature_account_impl/presentation/account/list/AccountListFragment.kt">https://github.com/soramitsu/fearless-Android/blob/master/feature-account-impl/src/main/java/jp/co/soramitsu/feature_account_impl/presentation/account/list/AccountListFragment.kt</a> <a href="https://github.com/soramitsu/fearless-iOS/tree/master/fearless/M%0dmodules/AccountManagement">https://github.com/soramitsu/fearless-iOS/tree/master/fearless/M%0dmodules/AccountManagement</a>
	View META-account and associated network accounts	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/feature-account-impl/src/main/java/jp/co/soramitsu/feature_account_impl/presentation/account/details/AccountDetailsFragment.kt">https://github.com/soramitsu/fearless-Android/blob/master/feature-account-impl/src/main/java/jp/co/soramitsu/feature_account_impl/presentation/account/details/AccountDetailsFragment.kt</a> <a href="https://github.com/soramitsu/fearless-iOS/tree/master/fearless/M%0dmodules/WalletDetails">https://github.com/soramitsu/fearless-iOS/tree/master/fearless/M%0dmodules/WalletDetails</a>
	Following options are available to each network account:			
	Change account	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/678424a33c0efa535f3d1f76ee3c74429b44a253/feature-account-impl/src/main/java/jp/co/soramitsu/feature_account_impl/presentation/account/d">https://github.com/soramitsu/fearless-Android/blob/678424a33c0efa535f3d1f76ee3c74429b44a253/feature-account-impl/src/main/java/jp/co/soramitsu/feature_account_impl/presentation/account/d</a>



				<a href="#">details/WalletAccountActionsSheet.kt#L37</a> <a href="https://github.com/soramitsu/fearless-iOS/blob/develop/fearless/Modules/NewWallet/ChainAccount/ChainAccountPresenter.swift#L255">https://github.com/soramitsu/fearless-iOS/blob/develop/fearless/Modules/NewWallet/ChainAccount/ChainAccountPresenter.swift#L255</a>
	Export account	Done	Done	<a href="#">https://github.com/soramitsu/fearless-Android/blob/678424a33c0efa535f3d1f76ee3c74429b44a253/feature-account-impl/src/main/java/jp/co/soramitsu/feature_account_impl/presentation/account/details/WalletAccountActionsSheet.kt#L33</a> <a href="https://github.com/soramitsu/fearless-iOS/tree/master/fearless/Modules/Export">https://github.com/soramitsu/fearless-iOS/tree/master/fearless/Modules/Export</a>
	Copy address	Done	Done	<a href="#">https://github.com/soramitsu/fearless-Android/blob/678424a33c0efa535f3d1f76ee3c74429b44a253/feature-account-api/src/main/java/jp/co/soramitsu/feature_account_api/presentation/actions/ExternalActionsSheet.kt#L33</a> <a href="https://github.com/soramitsu/fearless-iOS/blob/develop/fearless/Modules/NewWallet/ChainAccount/ChainAccountPresenter.swift#L249">https://github.com/soramitsu/fearless-iOS/blob/develop/fearless/Modules/NewWallet/ChainAccount/ChainAccountPresenter.swift#L249</a>
	View in Polkascan (if available)	Done	Done	<a href="#">https://github.com/soramitsu/fearless-Android/blob/678424a33c0</a>



				<a href="https://github.com/soramitsu/fearless-iOS/blob/develop/fearless/Common/Model/ChainAction.swift#L6">efa535f3d1f76ee3c74429b44a253/feature-account-api/src/main/java/jp/co/soramitsu/feature_account_api/presentation/actions/ExternalActionsSheet.kt#L40</a> <a href="https://github.com/soramitsu/fearless-iOS/blob/develop/fearless/Common/Model/ChainAction.swift#L6">https://github.com/soramitsu/fearless-iOS/blob/develop/fearless/Common/Model/ChainAction.swift#L6</a>
	View in Subscan (if available)	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/678424a33c0efa535f3d1f76ee3c74429b44a253/feature-account-api/src/main/java/jp/co/soramitsu/feature_account_api/presentation/actions/ExternalActionsSheet.kt#L40">https://github.com/soramitsu/fearless-Android/blob/678424a33c0efa535f3d1f76ee3c74429b44a253/feature-account-api/src/main/java/jp/co/soramitsu/feature_account_api/presentation/actions/ExternalActionsSheet.kt#L40</a> <a href="https://github.com/soramitsu/fearless-Android/blob/678424a33c0efa535f3d1f76ee3c74429b44a253/feature-account-api/src/main/java/jp/co/soramitsu/feature_account_api/presentation/actions/ExternalActionsSheet.kt#L40">https://github.com/soramitsu/fearless-iOS/blob/develop/fearless/Common/Model/ChainAction.swift#L7</a>
	Migration educational stories after the update	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/common/src/main/java/jp/co/soramitsu/common/data/OnboardingStoriesDataSource.kt">https://github.com/soramitsu/fearless-Android/blob/master/common/src/main/java/jp/co/soramitsu/common/data/OnboardingStoriesDataSource.kt</a> <a href="https://github.com/soramitsu/fearless-Android/blob/master/common/src/main/java/jp/co/soramitsu/common/data/OnboardingStoriesDataSource.kt">https://github.com/soramitsu/fearless-iOS/blob/develop/fearless/Modules/EducationStoriesAssembly.swift</a>
<b>2.3.3</b>	<b>Create/Import/Export account flow</b>			
	Add option of importing/exporting META-account	Done	Done	<a href="https://github.com/soramitsu/fea">https://github.com/soramitsu/fea</a>



				rless-Android/blob/678424a33c0efa535f3d1f76ee3c74429b44a253/feature-account-impl/src/main/java/jp/co/soramitsu/feature_account_impl/presentation/account/list/WalletOptionsBottomSheet.kt#L26 <a href="https://github.com/soramitsu/fearless-iOS/tree/master/fearless/Modules/Export">https://github.com/soramitsu/fearless-iOS/tree/master/fearless/Modules/Export</a> https://github.com/soramitsu/fearless-iOS/tree/master/fearless/Modules/AccountImport
	Add option of two derivation paths in Advanced	Done	Done	<a href="https://github.com/soramitsu/fearless-Android/blob/master/feature-account-impl/src/main/java/jp/co/soramitsu/feature_account_impl/presentation/view/advanced/AdvancedBlockView.kt">https://github.com/soramitsu/fearless-Android/blob/master/feature-account-impl/src/main/java/jp/co/soramitsu/feature_account_impl/presentation/view/advanced/AdvancedBlockView.kt</a> https://github.com/soramitsu/fearless-iOS/blob/develop/fearless/Modules/AccountCreate/Model/AccountCreationRequest.swift#L8



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## **Public Demos, deliverables:**

### **Demo #1, August 27th, 2021**

#### **Presentation**

#### **iOS/Android deliverables:**

- Upgrade networking in the app to support multiple networks & their runtimes
- Upgrade data storage & secure account storage to support new account model

#### **Github links:**

**iOS link:** <https://github.com/soramitsu/fearless-iOS/pull/364/files>

**Android link:** <https://github.com/soramitsu/fearless-Android/pull/352>

### **Demo #2, September 22nd, 2021**

#### **Presentation**

#### **iOS/Android deliverables:**

- Mobile apps now can connect to multiple networks & construct their Runtimes
- Mappers for adapting domain logic in the app to work with new networking logic are finished
- Allow us to reuse existing code with new networking & Runtime logic
- Staking & Crowdloans are migrated to new logic
- The team maintaining open source repo with all networks which app will use:
  - <https://github.com/soramitsu/fearless-utils/tree/master/chains>
  - The team now can work on UI features, such as developing Wallet, Accounts, Settings & Networks new functionality
  - Testing of users' migration for new Account & Secret storage has started
  - Testing on Wallet features expected to start next week
  - Mockups for new & refined functionality (such as updated Create/Import/Export features) are almost completed & reviewed

#### **Github links:**

**iOS link:** <https://github.com/soramitsu/fearless-iOS/pull/404>

**Android link:**



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<https://github.com/soramitsu/fearless-Android/commit/05a3a39b42f65829d243b41ee618fb8a4cc681e2>

### **Demo #3, November 3rd, 2021**

#### **Presentation**

##### **iOS/Android deliverables:**

Android v1.9.6 and iOS v1.9.9 release: Runtime V14 Upgrade Hotfix

iOS v1.9.10 and v1.9.11 releases, bugs Fixed:

- Nodes sending messages in an unexpected way were causing the
- Crowdloan and Staking screens being unresponsive

##### **Github links:**

**iOS link:** <https://github.com/soramitsu/fearless-iOS/pull/444/>

**Android link:** <https://github.com/soramitsu/fearless-Android/pull/408>

### **Demo #4, December 23d, 2021**

#### **Presentation**

##### **Android deliverables:**

- Create, import accounts
- Main screen (Wallet) with token list
- Asset detailed balances, transfers
- Crowdloans tab and functions
- Staking
- Migration from chain-accounts to wallets
- Interlay custom crowdloan implementation

##### **iOS deliverables:**

- Runtime Metadata v14 upgrade is in progress
- The same feature as for Android is waiting to be tested and debugged

##### **Github links:**

**iOS link:** <https://github.com/soramitsu/fearless-utils-iOS/pull/59>



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**Android link:** <https://github.com/soramitsu/fearless-Android/pull/415>

## Demo #5, February 2nd, 2022

### Presentation

#### **Android deliverables:**

- Convenient asset sorting in the Wallet tab
- Moonbeam, Moonriver, Statemine, Statement parachains support
- Chain accounts export
- Networks management and node switching
- Optimisations and improvements

#### **iOS deliverables:**

- Multi-assets functionality with supporting the most popular parachains
- Some architectural changes
- Hotfix releases v 2.0.1 and v 2.0.2

#### **Github links:**

**iOS link:** <https://github.com/soramitsu/fearless-iOS/pull/492/>

**Android link:** <https://github.com/soramitsu/fearless-Android/pull/442>

## Demo #6, February 22nd, 2022

### Presentation

#### **Android deliverables:**

- Wallet Export and Import Update
- Kintsugi balances and transfer support
- Add accounts with unique mnemonic/ key pair
- Networks management and node switching (auto-balance nodes)
- Some UI refinements

#### **iOS deliverables:**

- V 2.0.3 released on 15th of February, minor improvements
- Convenient asset sorting in the Wallet tab



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- Moonbeam, Moonriver parachains support with balances and transfers
  - Chain accounts export
  - Network management and node switching
  - Urgent fixes and improvements

**Github links:**

**iOS link:** <https://github.com/soramitsu/fearless-iOS/pull/495/files>

**Android links:**

<https://github.com/soramitsu/fearless-Android/pull/488>

<https://github.com/soramitsu/fearless-Android/pull/493>

## Demo #7, March 17th, 2022

### Presentation

**Android deliverables:**

- v 2.0.3 - several optimisations and improvements

**iOS deliverables:**

- Kintsugi balance and transfer support

**Github links:**

**iOS link:** <https://github.com/soramitsu/fearless-iOS/pull/535>

**Android link:** <https://github.com/soramitsu/fearless-Android/pull/495>

## Demo #8, April 12v, 2022

### Presentation

**iOS deliverables:**

- Asset management feature
- Wallet export feature
- Add a chain-account with unique key-pair
- Onboarding stories for new users
- Final fixes and refinements



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**Android deliverables:**

- Onboarding stories for new users
- Final fixes and refinements

**Github links:**

**iOS link:** <https://github.com/soramitsu/fearless-iOS/pull/636>

**Android link:** <https://github.com/soramitsu/fearless-Android/pull/567>



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## Additional information about Fearless Wallet

- Fearless Wallet open source **GitHub repositories**:

[Android github repository](#)

[iOS github repository](#)

[Android Utils github repository](#)

[iOS Utils github repository](#)

- Fearless Wallet [Wiki](#)

- Fearless Wallet [Medium](#)

Fearless Wallet's release in the Apple AppStore and Google Play store in November 2020 had a **press release** published from the SORAMITSU site:  
<https://soramitsu.co.jp/fearless-wallet-release>