The following is an outline of work in the area of digital custody

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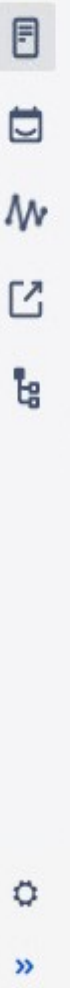
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Digital Asset Custody - Index

Created by Molchan, Peter, last modified on Dec 13, 2021

This page will provide helpful resources, training materials and guidance for anything related to Digital Custody

Please feel free to reach out to @ Kaplewicz, James or @Molchan, Peter with any questions or feedback

Resources

Contact Lists	Agile	JIRA	Infrastructure	Library	Training Repository	↓ Parking Lot ↑
• DAC • Other • MNE Contact List • Distribution Lists • Enterprise Information Resources	DAC - Scrum of Scrums	• JIRA Hot Links • JIRA Tracking • Requirements - Breakdowns	• Infrastructure-Technical • Server Core Products List: Crypto/DAC	• FOC Agile Library • DAC Library • Requirements/Forms • DAC SharePoint Links • Enterprise Technology	• Agile/Jira Training • BNYM Business Agility • Blueprint Training • Training Artifacts	• Repository Lockdowns • Definition Review - (DLS, DA5, DLN, CTD, HMAC) • 'How to' start a link for PTO • Training in Development and Review

End-to-End Lifecycle Flow: Client Buying Crypto

End-to-End Lifecycle Flow: Client Buying Crypto

Purpose

Overview the process flow for a client buying crypto assets:

- Onboarding

- Trade Execution

- Settlement

- Safekeeping and Servicing

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MPC (Multi-Party Computation)

MPC (Multi-Party Computation)

Consents

What is MPC (Multi-Party Computation)?

Cryptography Overview

Historical Options for Storing Private Keys

Digital Signatures

Types of Algorithms - Shamir's Secret Sharing Scheme

Types of Algorithms - MPC

How does MPC (Multi-Party Computation) Work?

How does MPC (Multi-Party Computation) work? – Simple Example

Benefits - MPC-CPM

Conclusions

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FOC/DAC Orientation

FOC/DAC Orientation

Purpose

- Communicate the basics for getting started in the FOC/DAC program

Agenda

- Program Perspective - Overview Digital Wallet, Blockchain
- Program Perspective
  - Acronyms
  - Mnemonics (MNEs) - Technology Applications
- Agile Product Development
  - Agile Methodology
  - POD Based Delivery Model
  - Team Role Definitions
  - Team Structure
  - Teams in Action
  - FOC > JIRADC Workflow
- Product Requirements
  - Strategic View
  - Refined through JIRA Hierarchy
- Confluence Quick Start
- Jira Quick Start
- Overview Fireblocks
- Reporting Time

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Demystifying the Digital Wallet

Part 1 – Overview

Demystifying the Digital Wallet

Contents

- Digital Assets
- Digital Currency
- Digital Wallet
- Digital Signature
- Private Key
- Token
- Address
- Blockchain
- Conclusions - Key Takeaways

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Demystifying the Digital Wallet

Part 2 – How Digital Currency Works

Demystifying the Digital Wallet

Contents

- Digital Assets
- Digital Wallet Functionality
- Digital Currency
- Digital Currency Categories
- Types of Cryptocurrency – Bitcoin, Ether
- Tokenization
- Blockchain – Digital Ledger
- Conclusions - Key Takeaways

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Demystifying the Digital Wallet

Part 3 – Digital Wallet Functionality

Demystifying the Digital Wallet

Contents

- Handling Traditional Assets vs Digital Assets

- Digital Wallet Functionality

- Digital Wallet - The Nightbox Analogy

- Digital Wallet - Withdrawal/Transfer

- Digital Wallet – Deposit

- Conclusions - Key Takeaways

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Nov 2021

FOC/DAC Business Analyst

FOC/DAC Orientation

Purpose

- Communicate the basics for getting started in the FOC/DAC program

Agenda

- Overview Digital Wallet - Blockchain
- Program Perspective
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