Crypto Asset Risk and Custody Essentials Training Course

Professional Development Training Course Outline

Category	Risk Management	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The rapidly evolving landscape of Digital Assets and Decentralized Finance (DeFi) has ushered in unprecedented opportunities, concurrently exposing institutions to complex and novel risks. Crypto Asset Risk and Custody Essentials Training Course is a vital necessity for professionals navigating the new paradigm where Blockchain Technology intersects with traditional finance. The exponential growth of the crypto market, coupled with the introduction of new regulatory frameworks like MiCA (Markets in Crypto-Assets Regulation), demands a deep, technical, and regulatory understanding of asset security and risk management. Effective Crypto Custody is the bedrock of institutional participation, moving beyond self-custody or reliance on unregulated exchanges to establish Bank-Grade security and fiduciary trust.

This comprehensive training focuses on establishing robust, Risk-Resilient operational environments. It will dissect the critical components of safeguarding client and proprietary Virtual Assets from Private Key Management and wallet infrastructure to AML/CTF compliance and Cybersecurity protocols. Professionals must master the identification, assessment, and mitigation of Systemic and Operational Risks inherent in this asset class. By integrating best-practice methodologies with real-world Case Studies of hacks, insolvencies, and regulatory enforcements, this course prepares participants to drive Institutional Adoption of digital assets responsibly and securely, ensuring Regulatory Compliance and preserving Financial Stability.

Programme Curriculum

Crypto Asset Risk and Custody Essentials Training Course

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5 days

Course Objectives

1. Master Private Key Management best practices for institutional-grade security.
2. Analyze and mitigate Custodial Risk in both centralized and decentralized models.
3. Implement robust AML/CTF and KYC compliance programs for crypto transactions.
4. Navigate the impact of emerging Crypto Regulation globally
5. Differentiate and assess the risks associated with various Digital Asset Taxonomy
6. Evaluate and select secure Wallet Infrastructure for different operational needs.
7. Design and implement Cybersecurity defenses against common Decentralized Finance (DeFi) attacks and exploits.
8. Understand the legal and fiduciary implications of Asset Segregation and Proof-of-Reserves standards.
9. Conduct comprehensive Operational Risk assessments specific to blockchain technology.
10. Integrate Blockchain Forensics and Transaction Monitoring tools into compliance workflows.
11. Develop a crisis management and Business Continuity Plan (BCP) for crypto asset loss or system failure.
12. Analyze historical Insolvency and Exchange Failure case studies to derive critical risk lessons.
13. Prepare for the future of Tokenization and the custody challenges of new asset types.

Target Audience

1. Compliance Officers and AML/CTF Specialists
2. Risk Management Professionals (Enterprise & Operational Risk)
3. Heads of Digital Assets/FinTech Strategy
4. Internal/External Auditors and Assurance Professionals
5. Custody Service Providers and Virtual Asset Service Providers (VASPs)
6. Investment Managers and Institutional Investors allocating to crypto assets
7. Financial Regulators and Supervisory Authorities
8. IT/Cybersecurity Professionals focused on blockchain infrastructure

Course Modules

1. Fundamentals of Digital Assets and Inherent Risks

- Blockchain Architecture and Distributed Ledger Technology basics.
- Understanding the different Crypto Asset Taxonomy
- Inherent market risks.
- Case Study: The Terra-Luna Collapse
- Introduction to the risk triad.

2. Private Key Management and Custody Models

- The critical role of Private Keys and seed phrases; the single point of failure.
- Comparing Self-Custody, Third-Party Custody, and Hybrid solutions.
- Deep dive into Cold Storage, Hot Wallets, and Hardware Security Modules
- Case Study: QuadrigaCX.
- Implementing Threshold Cryptography and MPC

3. Operational Risk and Infrastructure Security

- Designing robust Wallet Infrastructure and access control protocols.
- Threat modeling for Cybersecurity.
- The importance of Air-Gapped environments and physical security for keys.
- Case Study: The Mt. Gox Hack
- Disaster Recovery and Business Continuity Planning for digital assets.

4. Legal and Regulatory Landscape

- Overview of global Crypto Regulation trends
- Legal frameworks for Asset Segregation and customer protection in custody.
- Fiduciary duties and liabilities for Crypto Asset Service Providers
- Case Study: SEC and Ripple.
- Regulatory reporting requirements and auditability.

5. Financial Crime: AML/CTF and Sanctions Compliance

- Adapting AML/CTF programs for the pseudonymity of blockchain transactions.
- Advanced Transaction Monitoring techniques and blockchain analytics tools.
- Implementing effective Know Your Customer and Customer Due Diligence procedures.
- Case Study: Silk Road and Sanctions Evasion.
- Dealing with mixing services, privacy coins, and the travel rule.

6. Decentralized Finance (DeFi) Risks

- Introduction to DeFi platforms, Smart Contracts, and governance models.
- Technical risks of Smart Contract code vulnerabilities and exploits.
- Oracle Risks, flash loan attacks, and economic manipulation.
- Case Study: The DAO or Poly Network Exploit.
- Risk management for lending, staking, and yield generation protocols.

7. Governance, Audit, and Due Diligence

- Establishing a Digital Asset Governance framework and internal policies.
- Performing third-party Due Diligence on technology vendors and sub-custodians.
- The role of Proof-of-Reserves and independent audits in building trust.
- Case Study: Celsius or Voyager Insolvency

- Audit trail requirements and immutable record-keeping.

8. The Future of Custody and Emerging Assets

- Custody solutions for Tokenized Assets
- The challenges of NFT Custody and associated metadata risks.
- Regulatory and technical outlook for CBDCs
- Case Study: Major bank pilot for tokenized securities.
- Evolving role of banks and traditional finance in the Digital Asset Ecosystem.

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call +254769199797

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

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