

By: Melvin Berkoh, Leonel Lourenco, and Deanna Rodriguez



Project 5

Team Projects – Project 5

your client?

You have been asked to evaluate crypto platforms for the basis of your currency. As a substitute fiat currency, the government is mindful of certain processes and regulations that should be supported and continue to operate flawlessly with the new crypto currency regime as well. These include Anti-Money Laundering (AML), know your customer (KYC), and Fraud detection.

What does your team think and would suggest as your team's platform of choice to



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Adoption of Cryptocurrencies





- Cryptocurrencies are gaining
 popularity as alternatives to pregular money
- Governments and banks are focusing more on important issues.
- To adapt, some banks provide crypto services and explore blockchain technology to enhance their systems.





Key Regulatory Considerations



Measures to illegal financial activities.

Essential for maintaining market integrity and public trust.



Processes to verify customer identities.

Helps reduce fraud and ensure compliance with regulations.



Mechanisms to identify and prevent fraudulent activities.

Critical for protecting users and maintaining system security.

AML

KYC

Fraud Detection





Evaluation Criteria



Compliance Features

AML, KYC, integration,adaptability, regulations.



Scalability

Handle high number of transactions and support user growth.









Security

Strong security to prevent fraud and protect user data.



Governance

Flexible governance, compliance, regulatory adaptation, and community input.









Strong Compliance

Built-in AML, KYC, & fraud detection with smart contracts & dApps.

Widely Adopted

Trusted platform with global use and a large developer base.

Smart Contracts for Regulation

Custom solutions for automated compliance.

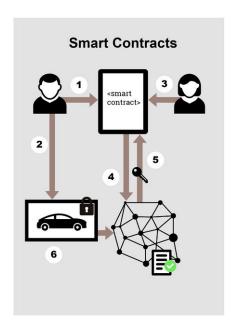
Scalable & Secure

Ethereum 2.0 offers better scalability & strong security.

Adaptable

Continually evolving to meet changing regulations.





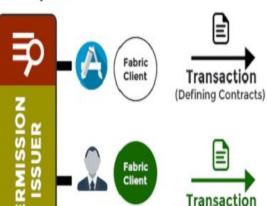
Platform⁴2:

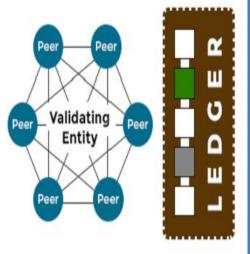
(Invoking Contracts)

HYPERLEDGER FABRIC⁴



HYPERLEDGER FABRIC





Permissioned Blockchain

Secure, private network with trusted participants.

Private Transactions

• Supports KYC & AML compliance.

Custom Governance

• Flexible to meet regulatory needs.

Data Privacy

Strong access control for sensitive information.

Proven in Enterprise

 Used in government, finance, and supply chain.





Regulatory Flexibility

On-chain governance makes it easy to update regulations.

Security

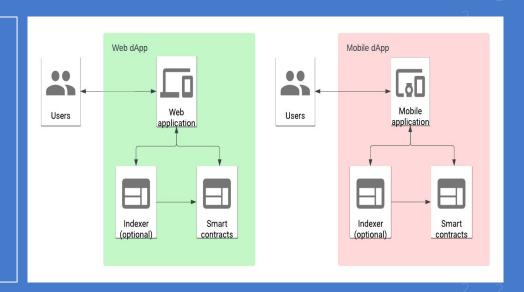
Traditional methods of verification for secure contracts.

Scalability

• A self-upgrading blockchain system.

Proven Use Cases

 They are used in finance, governance, and NFTs.





Platform 4:



Permissioned Blockchain

• Private, trusted networks for government use.

Compliance Focus

Built-in KYC, AML, and fraud detection.

Privacy

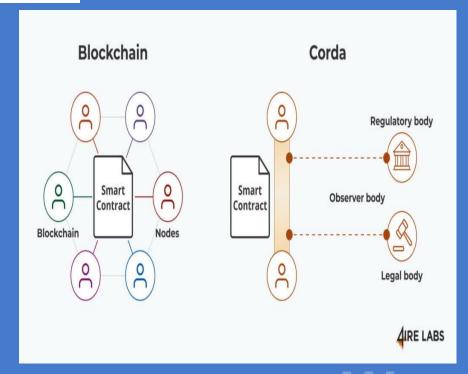
 Private transactions are shared only with relevant parties.

Scalability

• Handles high transaction volumes efficiently.

Proven in Finance

Widely used in banks for secure transactions.



Criteria	Ethereum	Hyperledger Fabric	Tezos	Corda
Compliance Features	Built-in KYC , AML , fraud detection via smart contracts	Built-in KYC , AML , fraud detection	Supports KYC , AML via governance	Built-in KYC , AML , fraud detection
Scalability	Improved with Ethereum 2.0 (PoS)	Highly scalable, enterprise-level	Self-amending, scalable	High transaction volume handling
Security	High security with PoS & Ethereum 2.0	Strong in private networks	Formal verification of contracts	Proven in secure financial transactions
Governance	Decentralized, community-driven	Customizable governance model	On-chain governance	Centralized governance
Adaptability	Easily adaptable via smart contracts	Highly adaptable for regulatory needs	Self-amending for regulatory change	Customizable to meet regulatory needs



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