



QED-it Private Asset Transfer

Keep details of Blockchain transactions private

- Transfer ownership of fungible and non-fungible assets on the Blockchain without revealing the buyer, the seller, and the transferred amount
- Issue assets in the clear or privately to support different use cases
- Conduct audits to examine private transactions log and verify process integrity

Solving the Blockchain privacy problem

The Blockchain has the potential to enable many cross-organization and cross-border financial processes. However, the Blockchain is a public ledger and as such all participants can see the details of all transactions. In most use cases this exposes confidential business data. Existing methods for handling the data privacy problem have significant drawbacks and are frequently impractical or insufficient for production usage.

QED-it provides a scalable and robust enterprise solution for preserving privacy on the Blockchain. Using QED-it financial institutions can buy and sell Blockchain assets without revealing confidential details about the transaction while still ensuring regulatory compliance according to custom-defined business rules. QED-it uses standard compliant zero knowledge proof cryptography to ensure the confidentiality of transaction data and metadata delivering a scalable and robust enterprise solution.

Figure 1: Define custom business logic for compliance with regulations such as KYC, AML, or economic sanctions using a high-level programming language.

```
def calculate_score(cert1, cert2, cert3):  
    is_an_adult = cert1.value > 18  
    // Bank balances average  
    balance_avg = (cert2.value + cert3.value)/2  
    return balance_avg > 10000 and is_an_adult
```



Benefits of QED-it enterprise solution



Support any Blockchain infrastructure

Implement private asset transfer on top of your existing Blockchain. Whether it is Ethereum, Corda, Quorum, HyperLedger, or Stellar, QED-it is adaptable to every Blockchain stack



ERC20-like and ERC721-like interfaces

Transfer fungible and non-fungible assets using familiar interfaces



Support industry standard HSM and key management services

Secure your assets using industry standard HSM or key management services



Integrate easily to existing systems

Use Java, C#, Javascript, Go or any other of our native language SDK's for quick integration into your existing system



Standard compliant cryptography

QED-it applies zero knowledge proof cryptography according to the defined standards of the zkproof.org standardization effort

About QED-it

Comprised of world-class entrepreneurs, researchers and developers QED-it provides the industry's first enterprise solution for preserving privacy over Blockchain networks. By applying advanced zero knowledge proof cryptography QED-it enables financial institutions to unlock the full potential of the Blockchain. QED-it provides several native language SDK's for interacting with the QED-it solution accelerating Blockchain development and production roll-out for the world's largest organizations.

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