Chapter 6

- Business Networks
 - Describing business networks
 - Introducing participants and assets
 - Introducing transactions and events
 - Implementing a business network

Business Networks



Recognizing purposeful activities



Defining a business network

A language for business networks

Participants

Types of participants

- Individual
- Organizational
- System or device

Participants are agents

Participants and identity

Assets

Assets flow between participants

Tangible and intangible

Asset structures

Ownership

Asset life cycles

Transactions

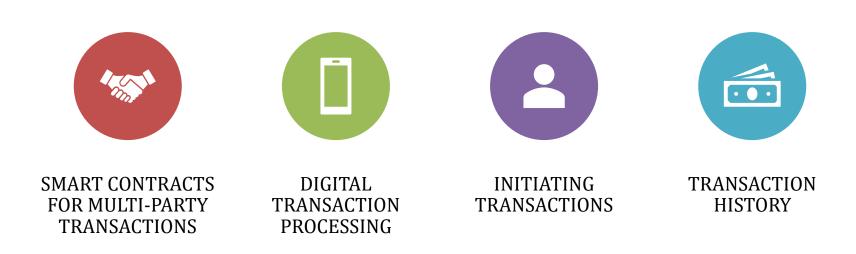
Change – a fundamental concept

Definition and instance Implicit and explicit

Importance of contracts

Signatures

Transactions, cont'd



Transactions, cont'd



Transaction streams



Transactions that span separate business networks



Transaction history and asset states



Regulators and business networks

Events

Events defined	Messages carry event notifications	Events and transactions
External and explicit events	Events result in actions	Loosely coupled design
	Utility of events	

Implementing a Business Network

De-materialization

Blockchain benefits

- Business-to-business (B2B)
- Electronic Data Interchange (EDI)

Participant interaction

Accessing the business network with APIs

3-tier systems architecture

Summary

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