

BLOCKCHAIN FOR POST & PARCEL

**Incremental Change or
Exponential Difference**

Accenture Post and Parcel
Industry Research 2018



IMAGINE A WORLD WITH...

SEAMLESS END-TO-END GLOBAL TRADE: streamlined cross-border post and parcel transactions with integrated tracking, payments and customs, to enable traceable and auditable transactions.

INSTANT IDENTIFICATION VALIDATION: biometrically-verified identity information for a range of government and commercial services.

DIGITIZED PACKAGE VERIFICATION: customs officials could digitally verify package details such as origin, physical characteristics, licensing, authenticity, destination and journey, removing need for intermediaries

Blockchain has the potential to drive profound, positive change.

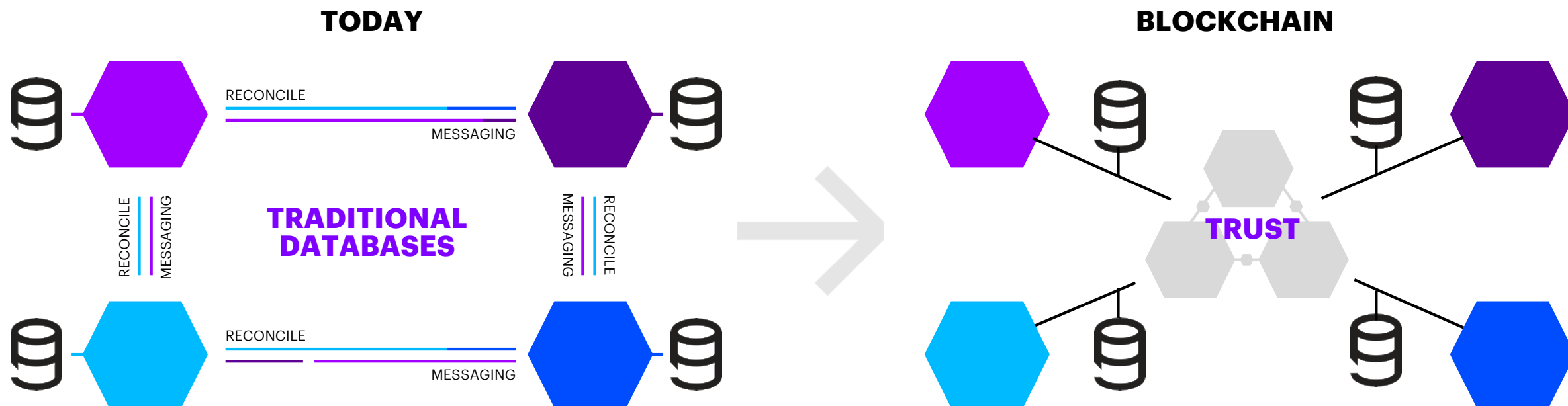
Recent Accenture research found that **blockchain could deliver savings of more than**

30%

across the middle and back office.

WHAT IS BLOCKCHAIN?

Blockchain is a distributed ledger technology for securely transmitting any type of information without the control of any central authority.



KEY BLOCKCHAIN FEATURES

Drive Positive and Profound Change for the Post and Parcel Industry

TRANSPARENCY

Stakeholders receive controlled access to a shared dataset.

TRUST

Transactions are cryptographically signed to increase trust and ensure against hacking, data manipulation, and data compromise.

TRACEABILITY

Blockchain acts as a single source of truth by multiple parties.



**BLOCKCHAIN
APPLIED IN
POST AND
PARCEL**



THE KEY BENEFITS OF BLOCKCHAIN ARE PARTICULARLY APPLICABLE TO LOGISTICS AND IDENTITY MANAGEMENT

Supply Chain/Logistics

Faster & leaner logistics in global trade

Improving transparency & traceability in supply chains

Automating commercial process in logistics with smart contracts

Identity Management

Individual identity verification and management

Third-party identity assurance management

Known sender/receiver identity management

SUPPLY CHAIN

Highly complex processes, diverse stakeholder groups and multiple third parties make supply chain a suitable candidate for blockchain



AUTOMATE PROCESSES

Using smart contracts to automate manual processes, enabling faster and traceable transactions.



TRACK PRODUCTS

Track origins and travel route to authenticate provenance.



DIRECT TRANSACTIONS

Third-party stakeholders are removed from the process and transactions are completed directly.



IMPROVE EFFICIENCY

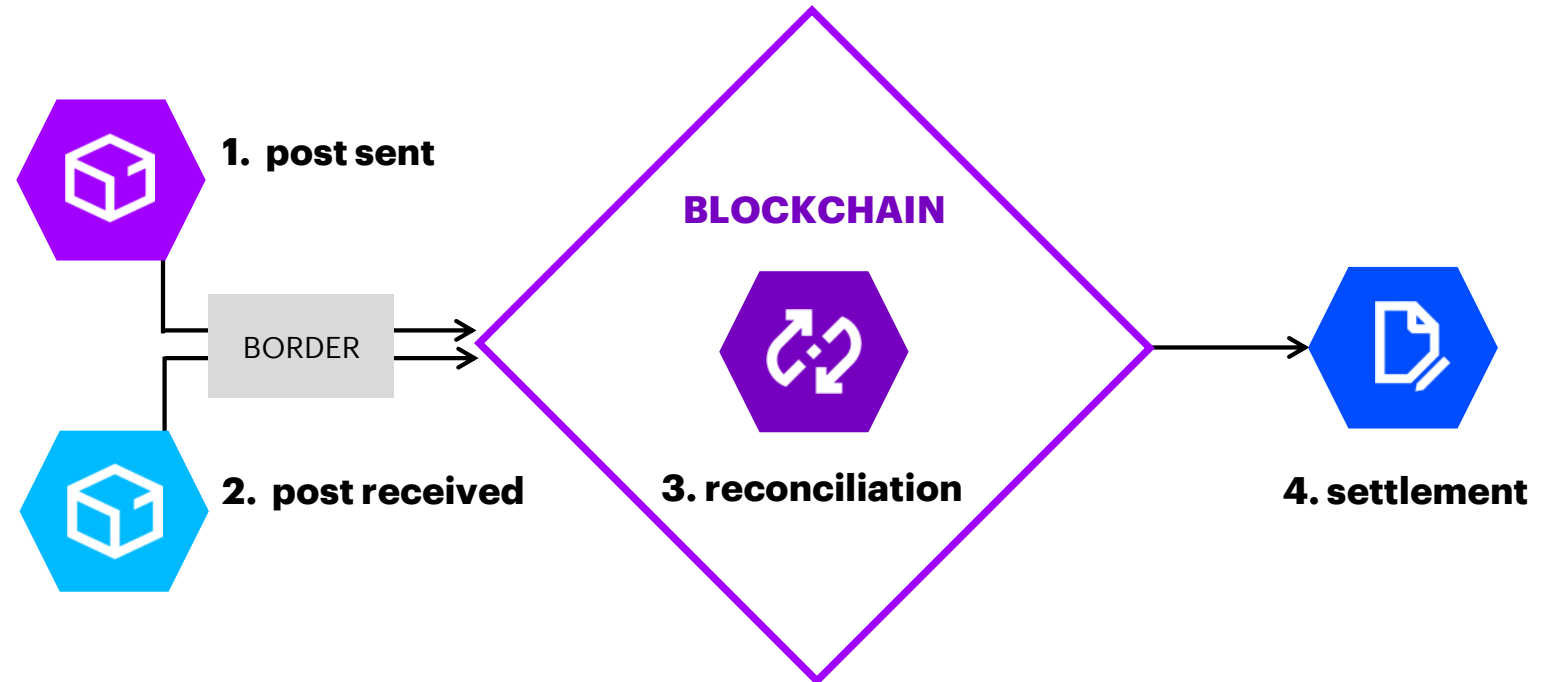
Reducing bureaucracy and paperwork in global cross-border trade.

CROSS BORDER SUPPLY CHAIN

Blockchain can streamline the reconciliation of manifests and the associated billing and payment processes

The delivering organization would post the number of items delivered to the border, and the weight and cost of each. The receiving organization would post the number of items received at the border and the weight and cost of each.

The common data set governed by the blockchain could greatly simplify and accelerate the reconciliation process.



IDENTITY MANAGEMENT

Blockchain can transform the validation and management of identities



The [Decentralized Identity Foundation](#) is **building an open source decentralized identity ecosystem** on a blockchain foundation.



The association of a person to a place of residence is one of the **most important individual attestations** for verifying identity.



Post and parcel organizations can use **data from their mail stream to create these attestations** and, because of this significant role, also host these distributed identity solutions.

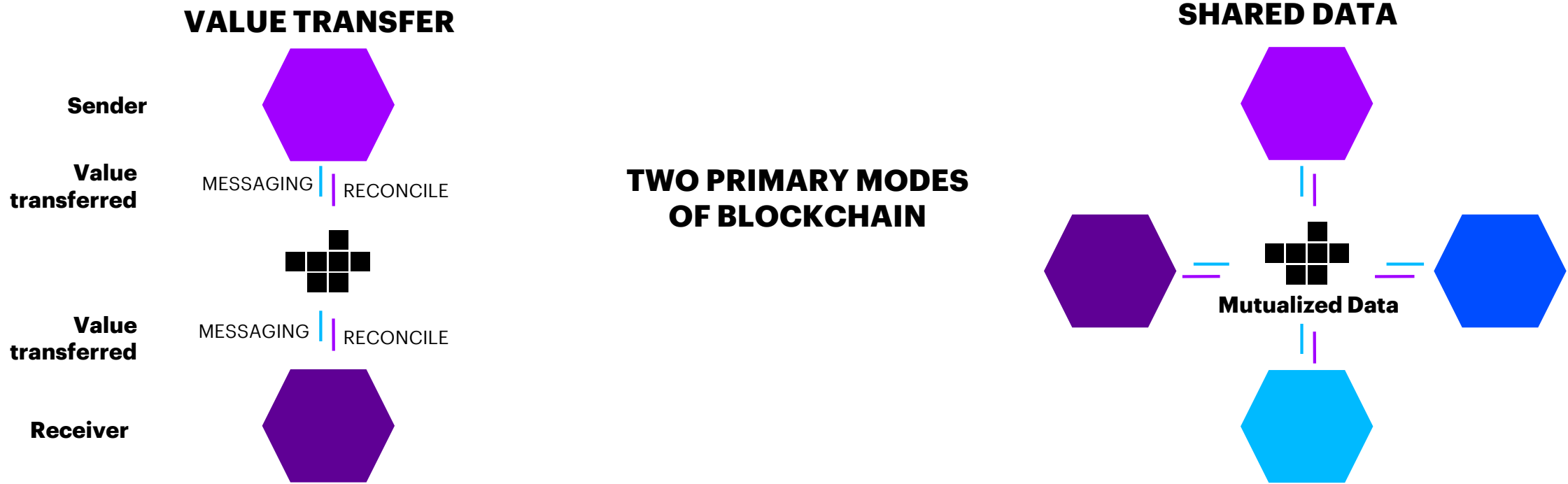


Over time, **postal workers could strengthen the accuracy of attestations** by making house visits to verify information and potentially augment them with biometric and other individually collected data.

INFORMATION MANAGEMENT

Blockchain acts as a simple and secure mechanism to transfer any information asset

Interfaces and data exchanges between post and parcel organizations and others are critical, but they can be costly to maintain. Blockchain can make the exchange of information simpler, safer and more transparent while also reducing costs.





**WHAT
TO DO NEXT**

THE POST AND PARCEL OPPORTUNITY

THE NEED TO ACT NOW

LEARN BY DOING

build critical skills and insights by conducting pilots

UNDERSTAND THE ECOSYSTEM

by developing insight into the blockchain supply chain and associated organizations

SET A BLOCKCHAIN STRATEGY

that demonstrates how blockchain can help the organization achieve its vision

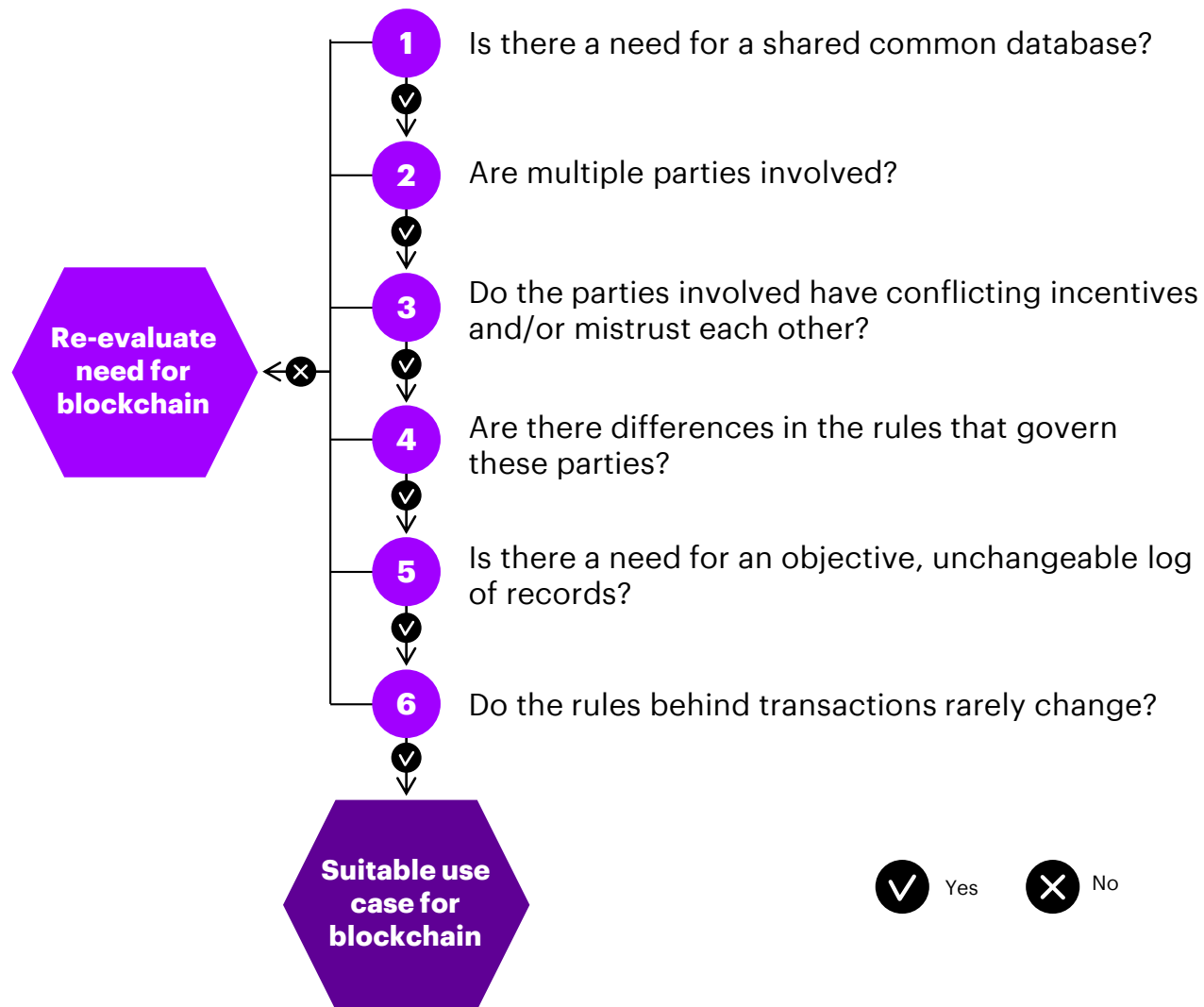


LEARN BY DOING

1 Find the right use case and begin to experiment.

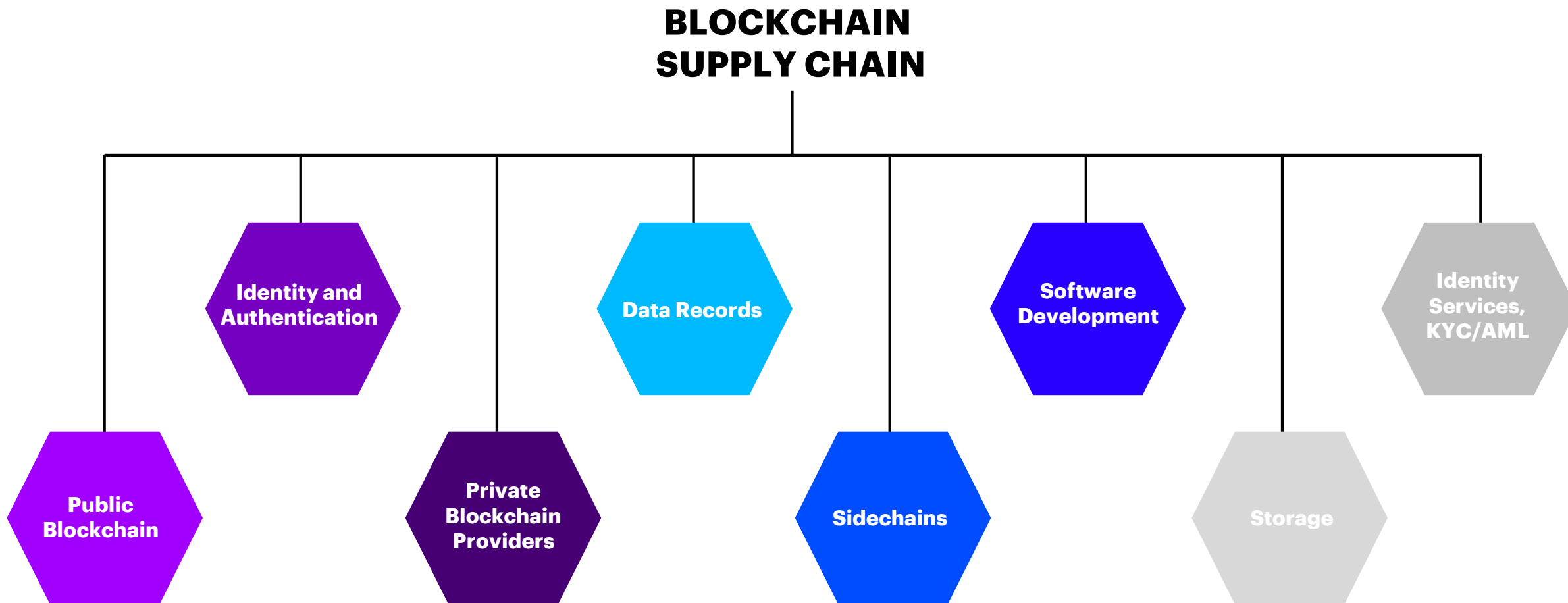
2 Use pilots to learn and build blockchain knowledge and capabilities.

SIMPLIFIED BLOCKCHAIN DECISION TREE



UNDERSTAND THE ECOSYSTEM

Several organizations exist in each element of the blockchain supply chain. Understanding the ecosystem and how to work with those organizations will be the key to finding the right path to value.



SET A BLOCKCHAIN STRATEGY

Building blocks of a holistic
blockchain strategy

CULTURE

GOVERNANCE

**TRAINING &
DEVELOPMENT**

**TECHNICAL
SKILLS**

**TECHNOLOGY
ACQUISITION**

**FIT
ASSESSMENT**

THE POST AND PARCEL OPPORTUNITY SUMMARY

Blockchain has the potential to
drive profound industry change

Entirely **REDESIGNED PROCESSES**

Whole new **BUSINESS MODELS**

Tremendous **EFFICIENCY GAINS**

New **MONETIZATION OPPORTUNITIES**

Now is the time to experiment, learn and lay the groundwork
for fundamentally different blockchain-enabled operations

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