

COLLABORATIVE MARKETING SUCCESS VIA NEXT GENERATION TRADE AND REVENUE OPTIMIZATION!



**SPRING
SUMMIT 2018**

“Winning with TPx, Retail Execution,
and Advanced Analytics Capabilities
Across Channels”



Blockchain and Cryptocurrency for Trade Promotion?

Rob Hand

Trade Promotion Domain Lead



TRADE PROMOTION



***“03/Jan/2009 Chancellor on
brink of second bailout for
banks.”***

Satoshi Nakamoto

Inventor of Bitcoin and Blockchain
Statement on the genesis block

Blockchain – No Longer Hype...just Reality

“Blockchain today is where the internet was in 1994”

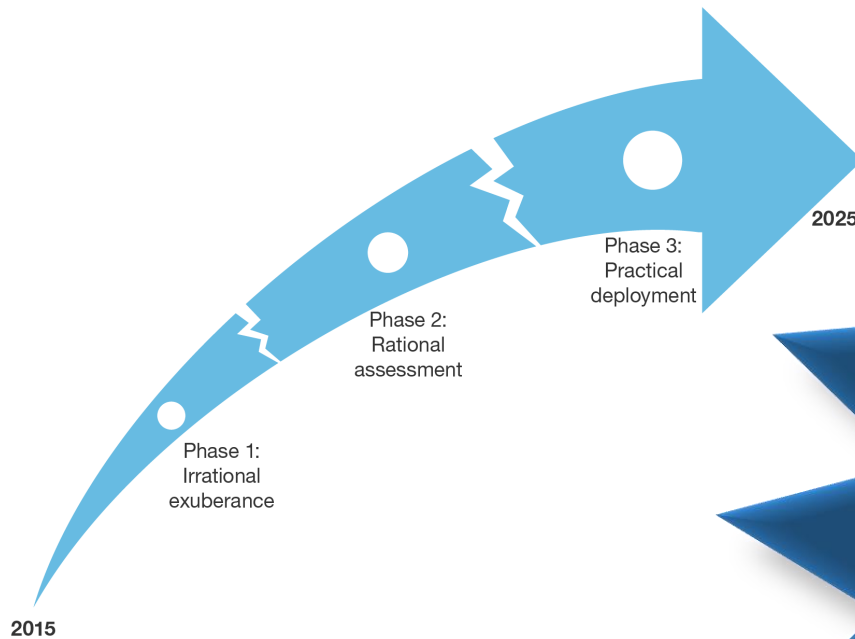
We are
here



Amara's Law: We tend to overestimate the effect of a technology in the short run and underestimate the effect in the long run.

What are we seeing with customers

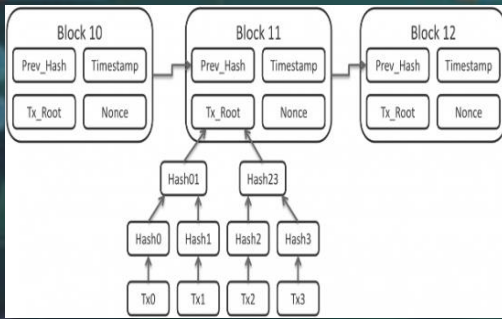
Large-scale blockchain adoption isn't imminent ...



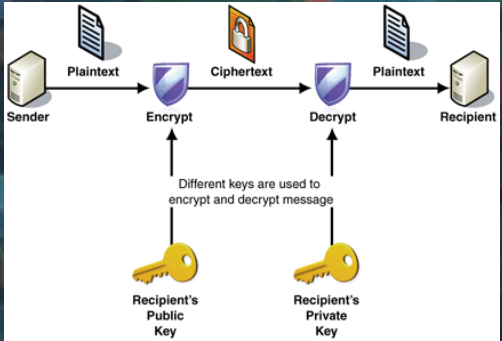
... but we're seeing some projects transition beyond PoC

The Technology of Blockchain

Data Structure



Public Key Cryptography



Distributed Ledgers

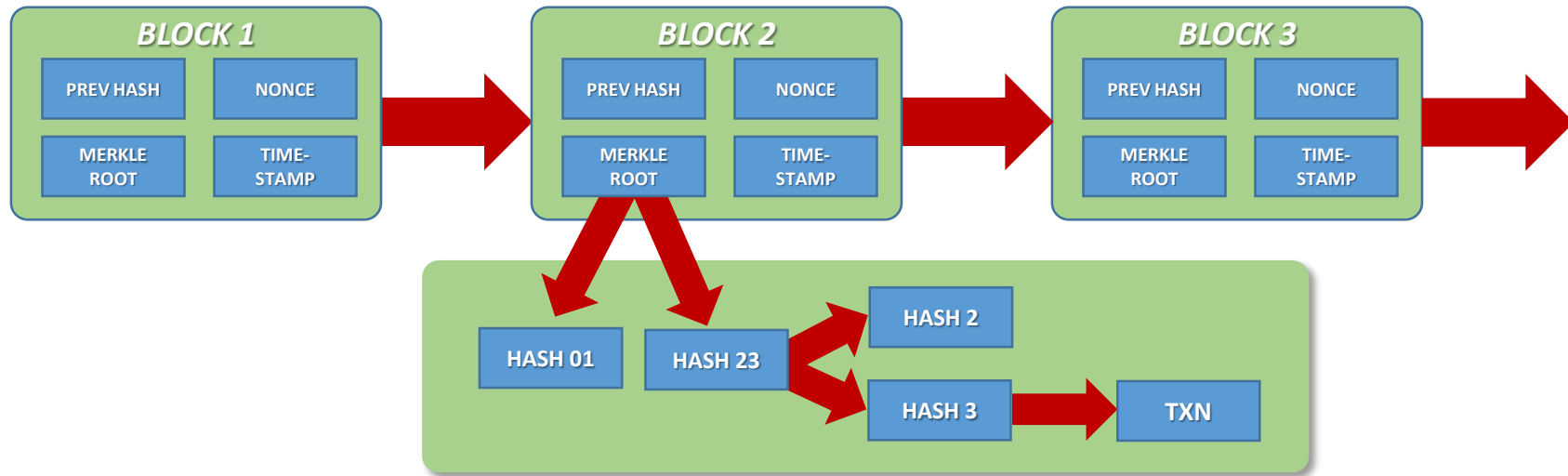


Consensus Mechanisms

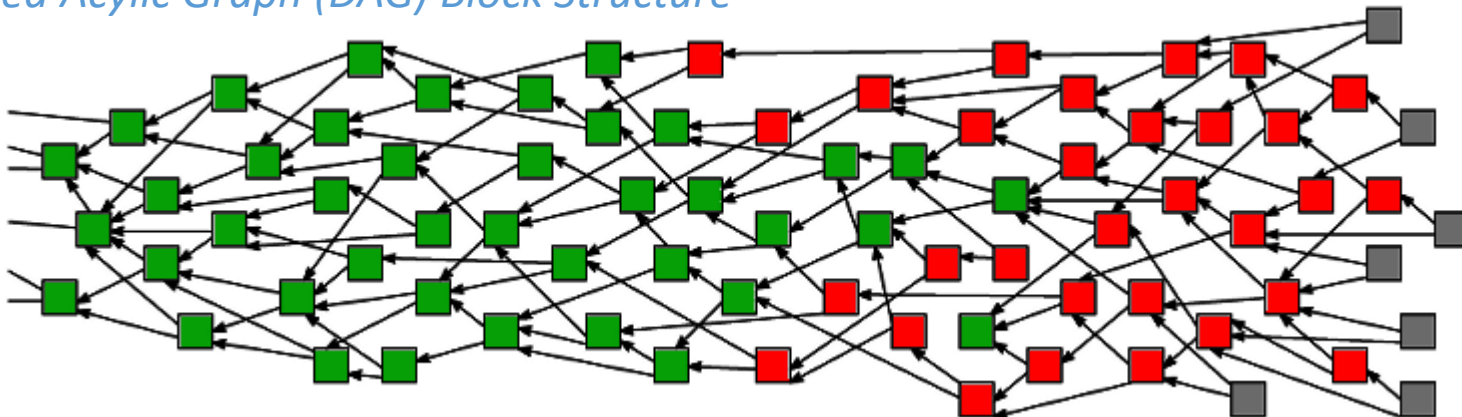


Blockchain Formats

Bitcoin Blockchain



Directed Acyclic Graph (DAG) Block Structure



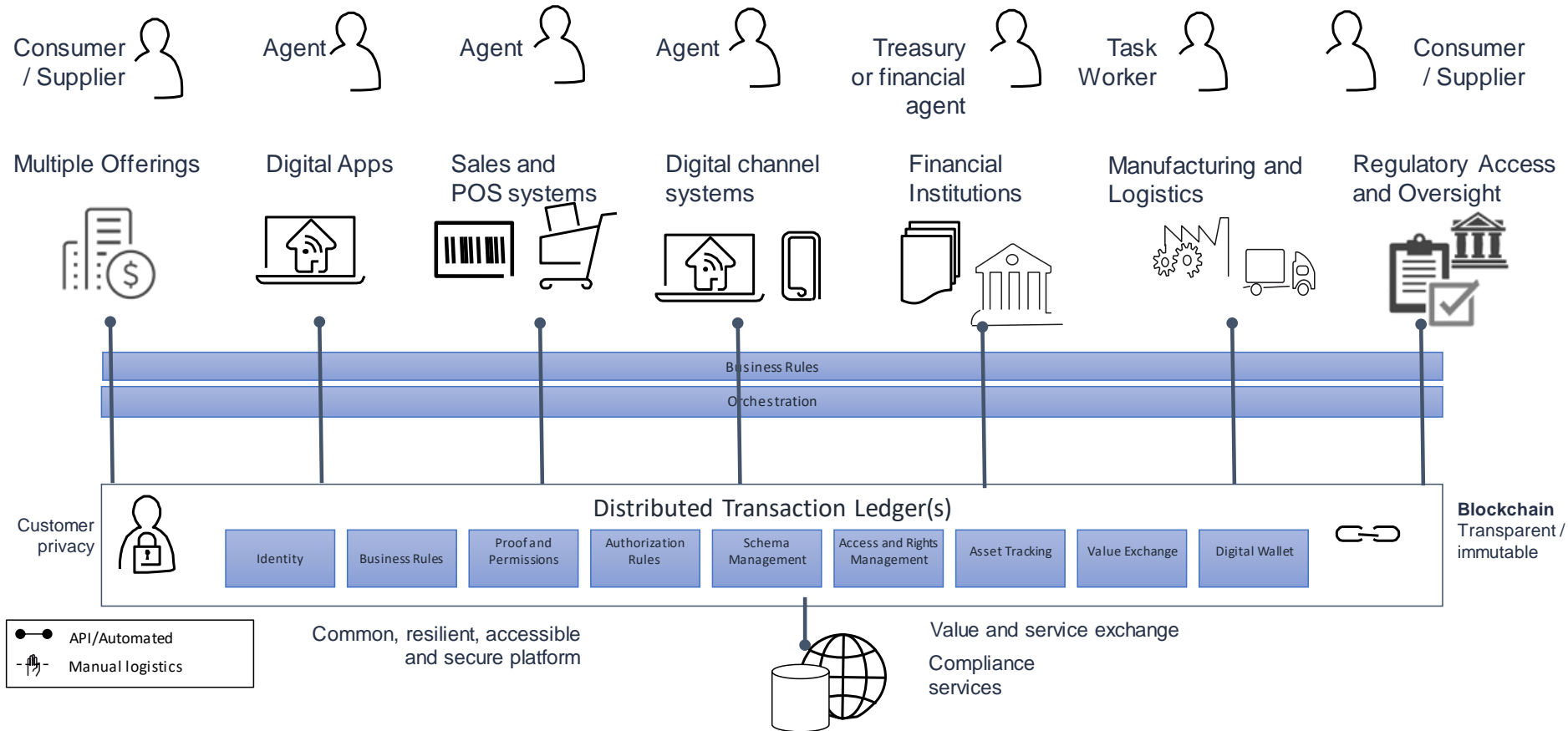
Blockchain Readiness



- **Technology improvement**
 - ✓ Scalability
 - ✓ Security
 - ✓ Speed
- **Non-Currency Applicability**
 - ✓ Data
 - ✓ IoT
 - ✓ Complex Transactions
- **Support and Infrastructure**
 - ✓ Expanding Talent Pool
 - ✓ Technology Adoption
 - ✓ Thought Leadership

Creating Use Cases

A model for creating use cases can get very complex when looking at the value chain



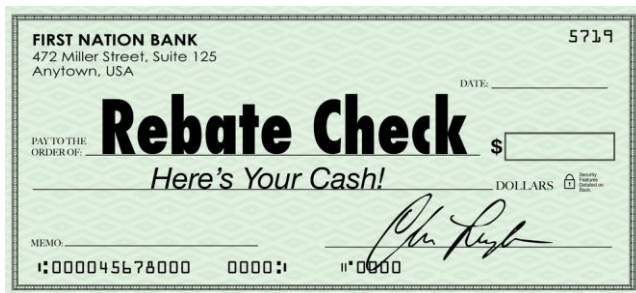
Cryptocurrency Use Cases



In-store Purchases



Promotion Settlement



Direct-to-Consumer Payments

In-store Purchases



POS DATA

- Distributes Daily ePOS Purchase Data
- Provides real-time Market Basket Contents
- Supports automatic inventory management
- Initiates re-ordering
- Provides shopper profile updates
- Tracks and distributes coupon/eComm redemption
- Transacts redemption settlement
- Delivers real-time rebate redemption/settlement
- Initiates trade promotion settlement
- Updates demand signal response, calculates rates
- Tracks and updates multi-tier reseller-to-distributor data
- Calculates and distributes loyalty intelligence



Promotion Settlement and Direct-to-Consumer Payments

- Settlement Type (Deduction, Claim)
 - ✓ Promotion plan = Smart Contract
 - ✓ Volume/sales Requirement = Shipment ledgers, Logistics
 - ✓ Tactical Activities = Individual transactions (verified by retailer) produces each “block”
 - ✓ Action = Transaction (Credit, billback, Pay, Pend, Hold, Deny, etc.) with automatic validation via blockchain
- Rebate/Coupon
 - ✓ Rules/Offer = Smart Contract
 - ✓ Trigger = POS Transaction
 - ✓ Compliance Audit = Validation through blockchain

Non-Currency Use Cases



Trade Promotion Planning



Retail Execution/DSD



Business Intelligence/Analytics



Retail In-store Promotion Mgmt.



Consumer Shopping Engagement

Key Considerations



Trade Promotion Planning



Retail Execution



Retail In-Store Promo Mgmt.



- Smart Contracts for Promotion Execution
- Rapid track to market
- Improved execution
- Increased intelligence

More Secure

Increased Volume

Lower Cost



- Unproven technology applications
- Requires extensive setup
- "Time to market" is a challenge
- Smart Contracts are a double-edged sword

Process Potholes

"Coordinator"

High Risk

Key Considerations



**Consumer Shopping
Engagement/Experience**



Business Analytics



- Data could be shared (requires consent)
- Consumer engagement and experience
- Value proposition for all
- Consumer insights accessible to all boats in the market

Real-time Insights

Higher Quality

Lower Cost



- Sensitive nature of data with risk
- Retail involvement
- "On" issue
- Countries with extreme environments

Infrastructure

Threat to Some

Risk Perception

Key Take-Aways

Blockchain and Cryptocurrency Technology is Real and Coming

- ✓ Blockchain 2.0 – Not a solution for TPx
- ✓ Blockchain 3.0+ - Will be an operational standard
- ✓ Rapidly growing corporate initiatives and support community

Use Cases are Expanding

- ✓ Promotion Settlement
- ✓ Promotion Planning and Execution through Smart Contracts
- ✓ Data management and Intelligence
- ✓ Consumer Shopping Experience and Engagement Management
- ✓ IoT

Action YOU Need to Take

1. Consider blockchain and cryptocurrency in your future roadmaps
2. Structure your programs to accommodate the smart contract
3. Make sure you have an IT organization that is planning for B&C
4. Consider B&C technology when planning new or upgrading functionality

What Dreams May Come...

Immediate Validated Settlement
Real-time Shopper Purchase Decisions
In-Pantry Inventory Status
Plan-less Promotion
Shelf Sensor-based Auto Inventory
Real-time In-store Clientelling
Asset Tokens on Settlement!

Thank You

Contact:

