

FAQ 토크박스

질문 답변

연재 강좌

정보 자료



이더리움 주간 뉴스(17.04.23)
 CoinKorea 캘린더 공유
 이더리움 데브미팅 14 기록 (4/21)
 라이스대 비지니스 블록체인 컨퍼런스 시리즈
 4월 4주차 가상화폐 관련 뉴스입니다.
 이더리움 네임 서비스(ENS) 재론칭



검색

이더리움 dApp 블록체인 비트코인 Pos Ico ens 코스모스

블록체인 2.0 | 라이스대 비지니스 블록체인 컨퍼런스 (2) TALK을 활용하여 다양한 온/오프라인 이벤트 및 체인톡 별도 프로젝트 참여

작성자 atomrigs (50.♡.129.♡) 17-04-28 04:33 조회 202회 댓글 0건

목록

지난 1편은 여기에 있습니다.

<http://www.chaintalk.io/archive/lecture/673>

이번 이야기는 Hyperledger 와 R3 에 대한 이야기부터 시작하겠습니다. 일단 들은 느낌은 엔터프라이즈 이더리움의 위세에 많이 눌려서 조금 관심이 떨어져 보였습니다.

리눅스 파운데이션의 COO인 Mike Woster가 Hyperledger 프로젝트에 대한 소개를 해주었습니다.



키가 너무 커서 허리를 구부리고 말하고 있습니다 ㅋㅋ

하이퍼레저는 모듈라 방식이라, 마치 리눅스 패키지 디스트리뷰션처럼 필요한 여러 가지 모듈들을 선택해서 패키징 할 수 있다는 점을 강조합니다.

Hyperledger's Modular Umbrella Approach

Infrastructure
Technical, Legal,
Marketing, Organizational
Ecosystems that accelerate
open development and
commercial adoption

Frameworks
Meaningfully differentiated approaches to business
blockchain frameworks developed by a growing
community of communities from the entire industry

Modules
Typically built for one framework, and through
common license and community of communities
approach, ported to other frameworks

HYPERLEDGER
HYPERLEDGER COMMUNITY

Cloud Foundry

Node.js



Hyperledger

Open Container
Initiative

Fabric

Iroha

Sawtooth

Chaincode

Explorer

Cello

6

최근에 하이퍼레저에 이더리움 EVM 을 접목하는 프로젝트가 승인됨으로써, 하이퍼레저와 EEA 의 연결고리도 마련되기는 했습니다. 이 프로젝트에 대한 자세한 설명은 다음 글을 참조하세요.

<https://www.hyperledger.org/blog/2017/04/10/hey-you-got-your-ethereum-in-my-hyperledger>

Shared Ledger Database

Blockchain allows multiple competing parties to securely
interact with the same universal source of truth



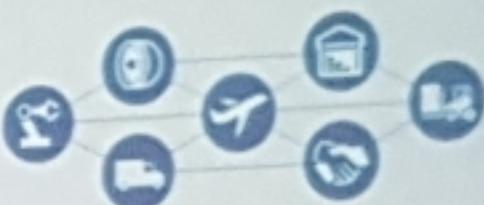
Finance

Streamlined settlement,
improved liquidity, increased
transparency and new
products/markets



Healthcare

Unite disparate processes,
increase data flow and liquidity,
reduce costs and improve patient
experience and outcomes



Supply Chain

Track parts and service
provenance, ensure authenticity
of goods, block counterfeits,
reduce conflicts

HYPERLEDGER
HYPERLEDGER COMMUNITY

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Additional Community Working Groups

Working Groups are open to the public

Technical
Working Group, China
(TWG - China)

Requirements
Working Group

Identity
Working Group

Architecture
Working Group

Whitepaper
Working Group

Blockchain Protocol
Working Group

HYPERLEDGER
Blockchain Consortium

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눈길을 끄는 별다른 점은 없었습니다.

R3 발표를 맡은 Tim Grant 는 파이낸셜 서비스 영역에서의 R3 역할을 매우 강조합니다.

R3 Mission.

We are redefining the foundations of
finance by harnessing the power of
collaborative networks.



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올해는 파이럿 테스트해이고 내년은 프러덕션 해라고 강변합니다.

The DLT Calendar.

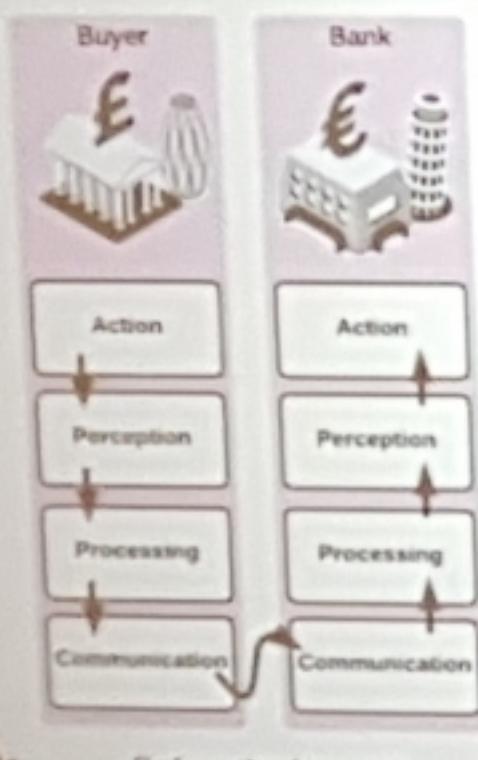
- 2014 – The Year of Enlightenment
- 2015 – The Year of the Hype
- 2016 – The Year of the PoC
- 2017 – The Year of the Pilot
- 2018 – The Year of Production

3.

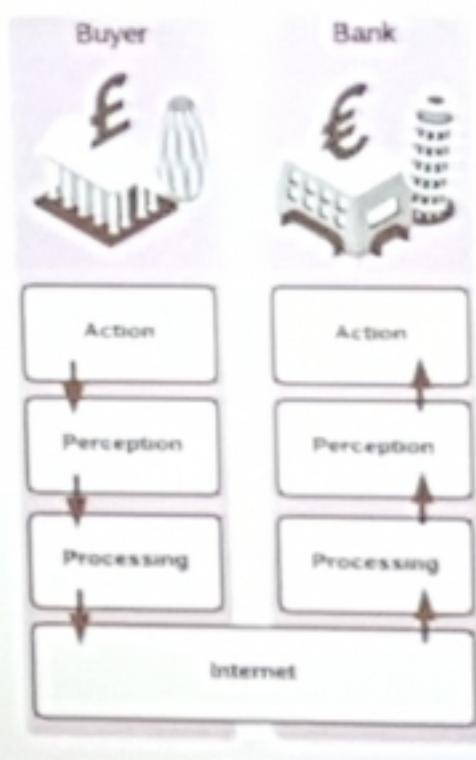
Block - Business and the Blockchain

DLT (Distributed Ledger Technology)는 블록체인을 포함하지만 이것보다 좀 더 넓은 정의인데요, 이 DLT의 장점을 이렇게 설명합니다.

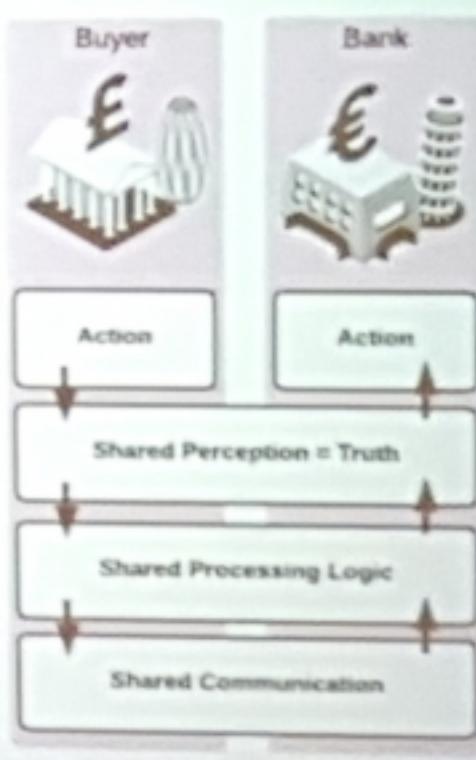
The Significant Evolutionary Step of DLT.



Before the Internet



Now

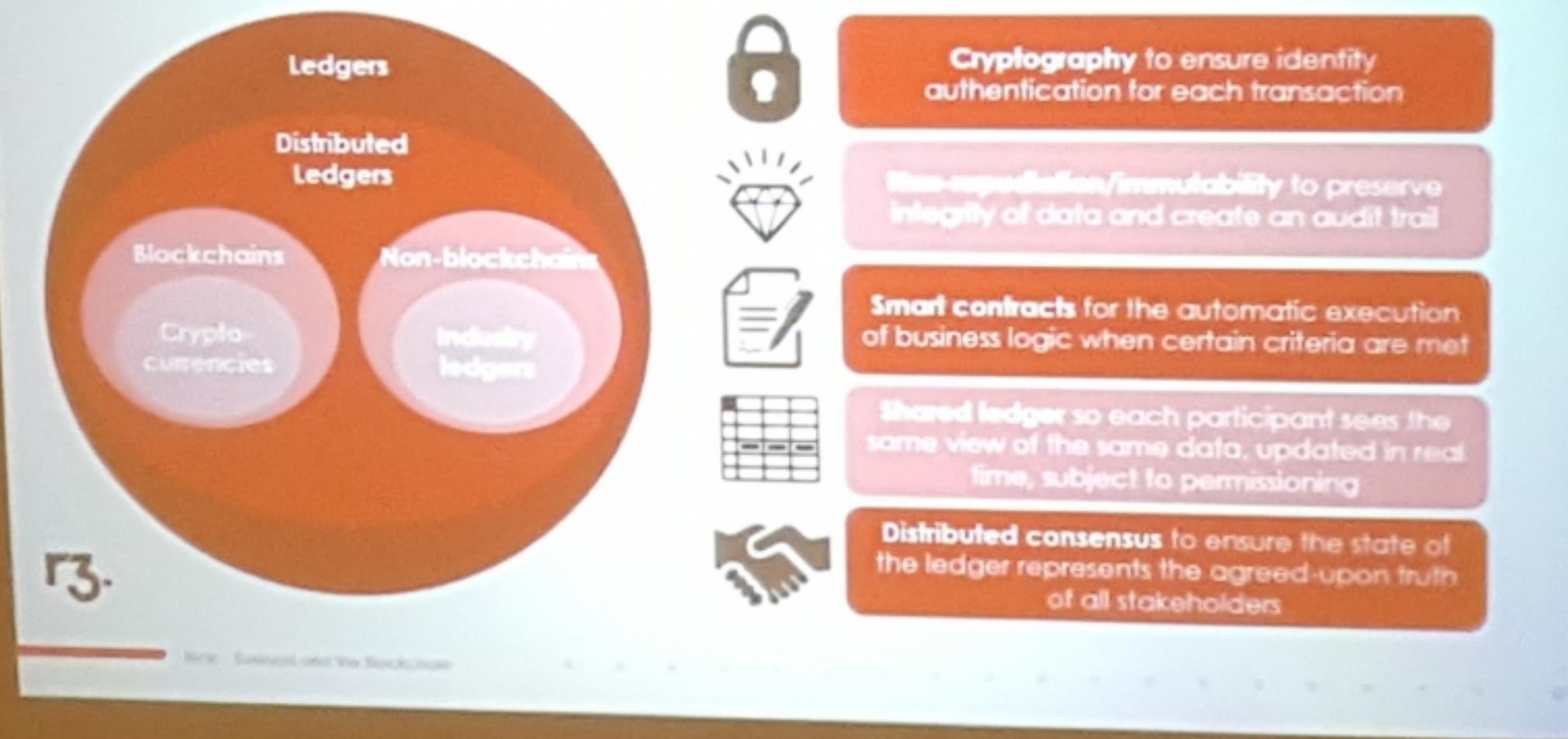


After Shared Ledgers

Block - Business and the Blockchain

공유된 trust와 비지니스 프로세스에 의해 한층 더 효율적인 금융서비스가 가능해진다는 것입니다.

Distributed Ledgers at a Glance.



Trust vs. Truth.

The Economist

Our guide to America's best colleges
Myanmar's free-election
Three innovative economists
America takes the fight to IS
Capgemini: the new superpower

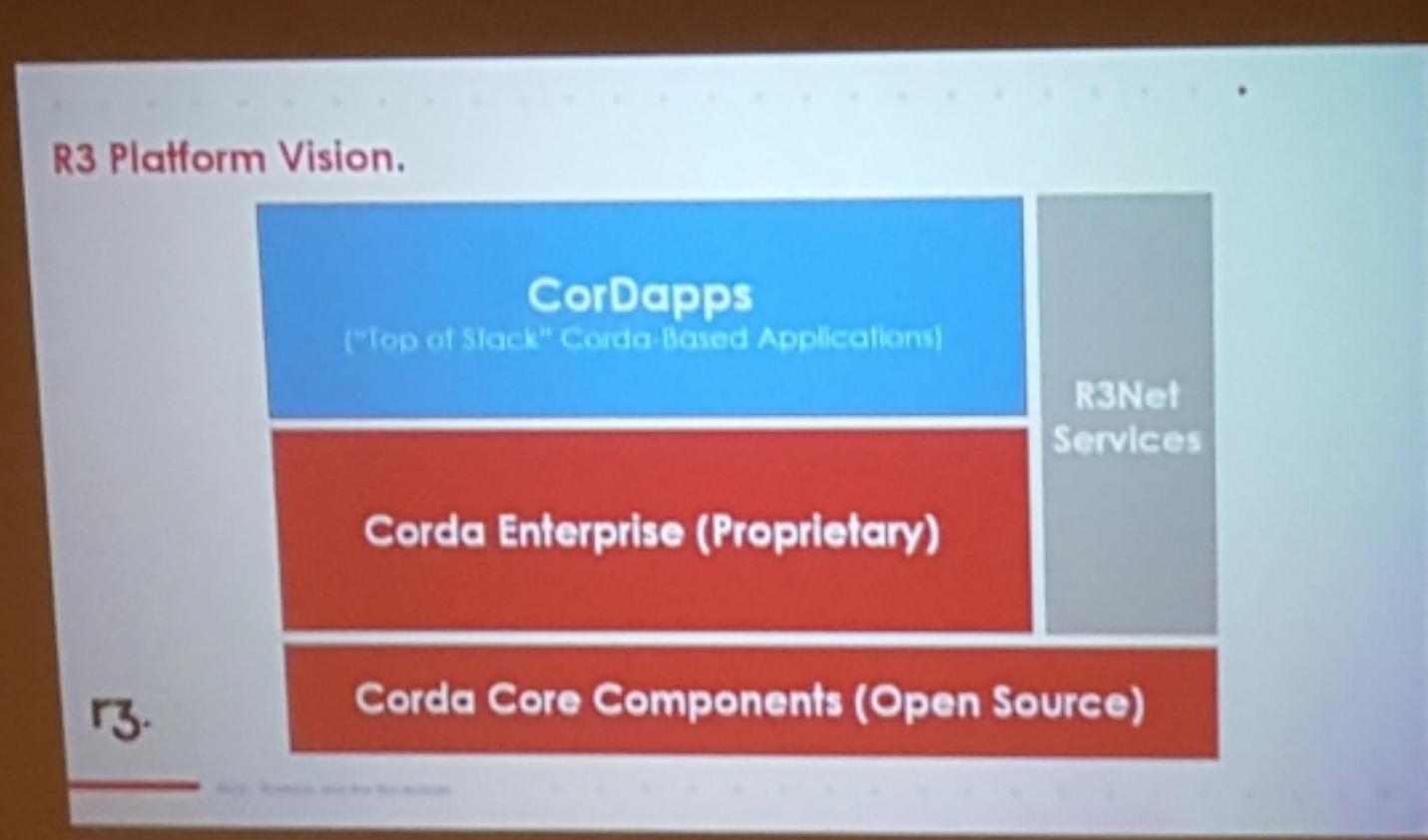
The trust machine

How the technology behind bitcoin could change the world

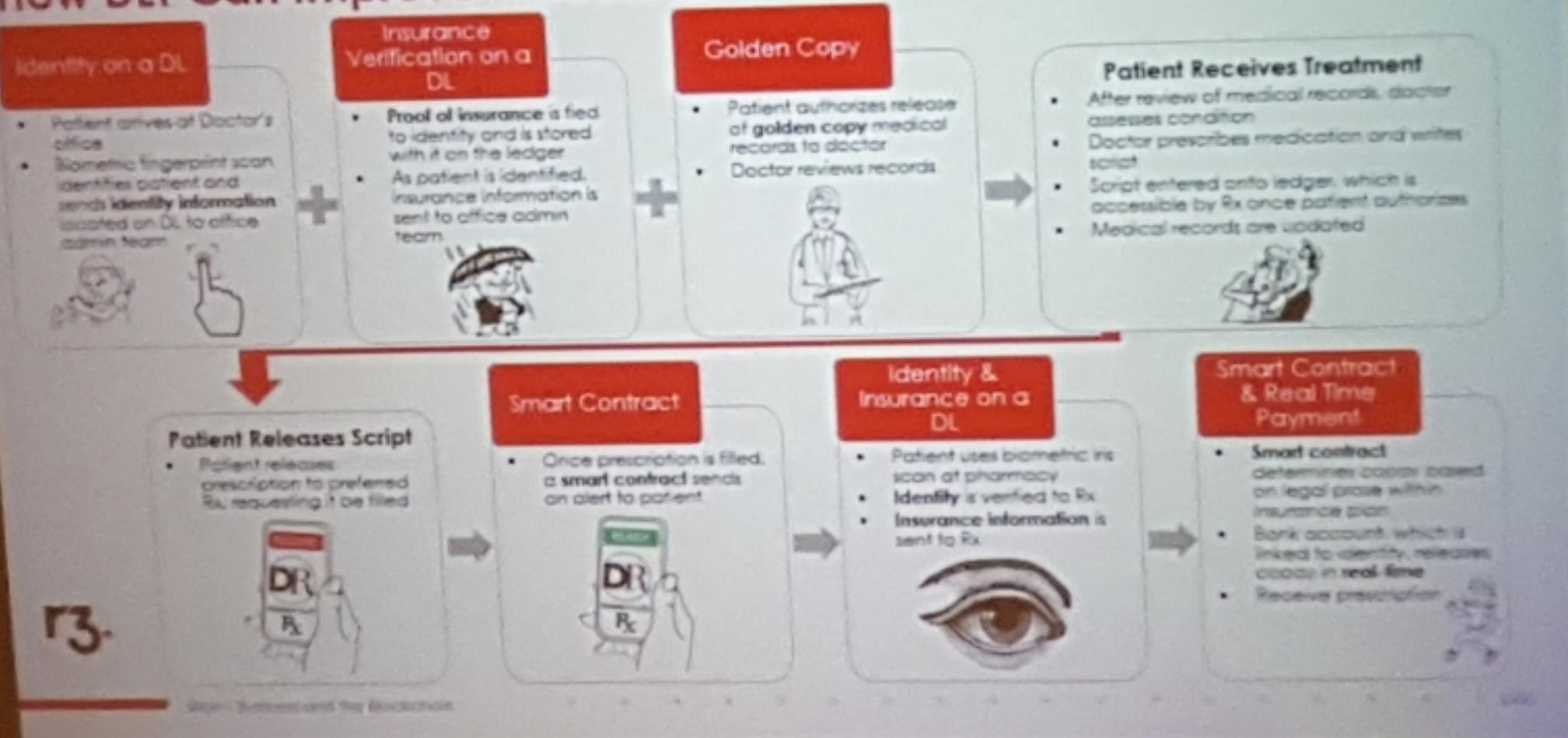
We believe that The Economist was slightly off the mark.

Distributed Ledger Technology can give us a **TRUTH MACHINE**.

The R3 Ecosystem.



How DLT Can Improve Processes.



그 다음 발표자로 나온 사람은 Symbiont CEO 인 Mark Smith 인데 블럭체인 기술을 월스트리트 트레이딩에 적용한 솔루션을 들고 나왔습니다. 스마트 시큐리티라는 것이네요.

symbiont

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Corporate Actions and Decentralized Smart Instruments

Presented By:

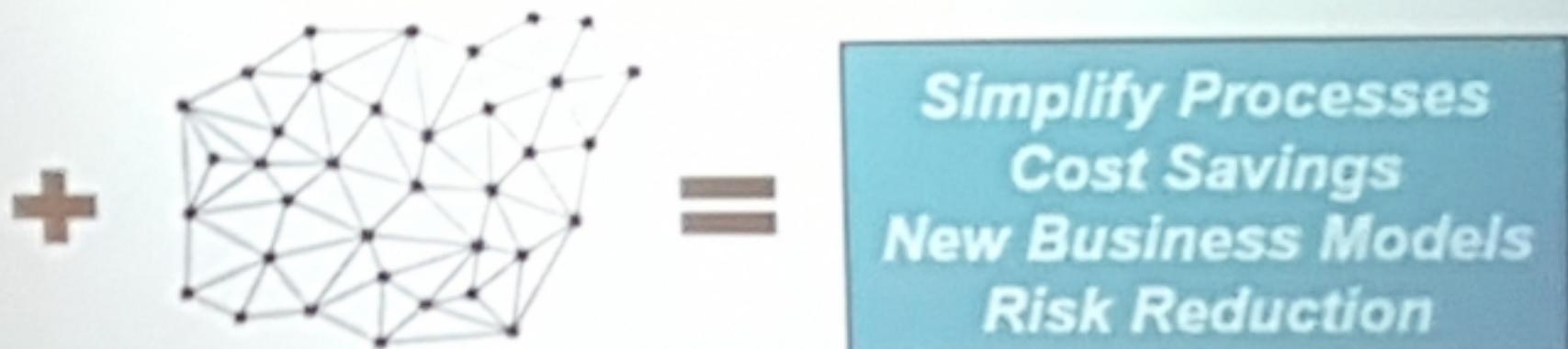


Mark S. Smith
CEO and Founder

Business and the Blockchain: Rice

April 24, 2017

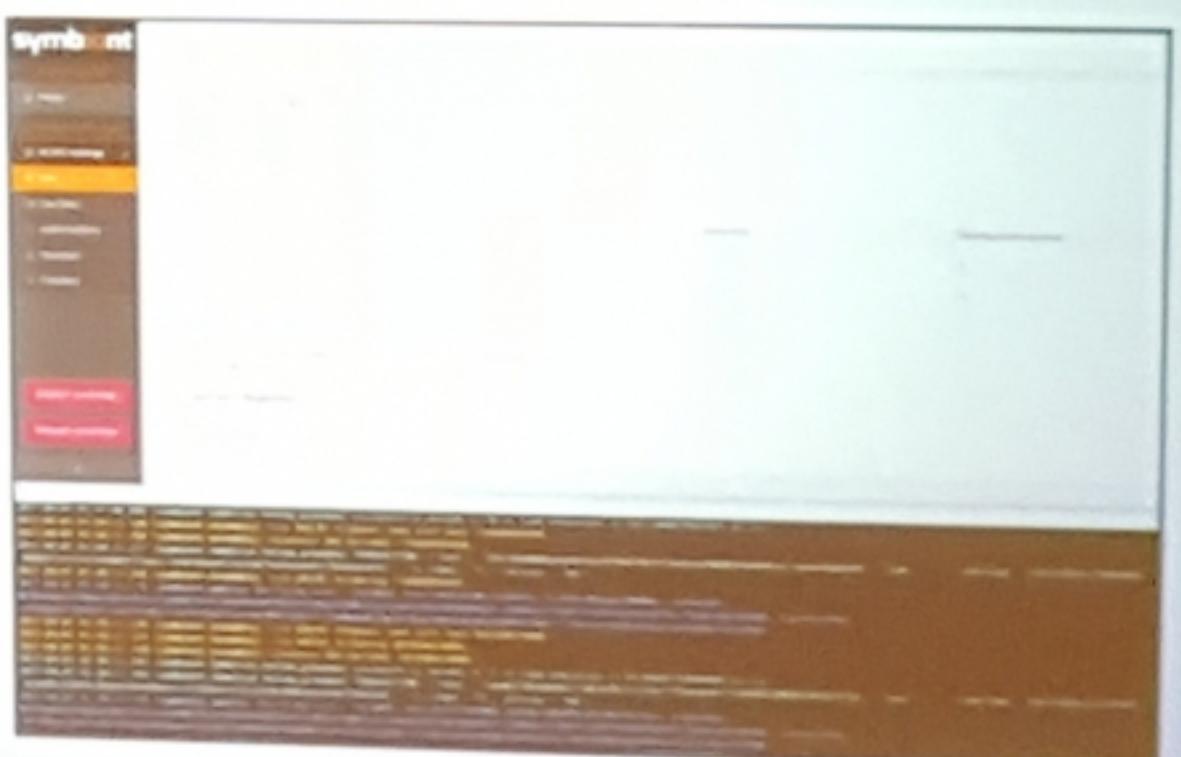
The Value Proposition



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Example 1: Execution Of Corporate Actions

- Distributed Voting
- Automated Vesting
- Conditional Transfers/Actions
- Issuance/Asset Digitization
- Automated Payout Rules



Example 2: Dynamic Captable

Real-Time Cap Table Updates

- Mergers, Acquisitions, Spinoffs
- Vesting, Corporate Events
- New Series, Rights Offering
- Option Exercise
- Beneficial Ownership Changes

The screenshot shows a software application window titled "symbiont". On the left is a vertical sidebar with a dark brown header containing the company name and several menu items. Below the header, the sidebar has sections for "CAP TABLE", "TRANSACTIONS", and "REPORTS", with "CAP TABLE" currently selected and highlighted in orange. The main area of the window is a grid-based table representing a cap table. The columns are labeled with names like "John Doe", "Jane Smith", "Investor A", etc., and the rows represent different financial instruments or shares. The table is filled with numerical values and some text entries, illustrating a real-time update to the capital structure.

Example 3: Analysis Of Shared Business Rules

This screenshot shows the same Symbiont software interface as the previous example, but the main view is a large, mostly empty white space with some very small, illegible text at the bottom. This suggests a transition or a placeholder for another part of the slide content.

Waterfall Analysis

- How Share Class Rights Are Enforced Under Different Scenarios
- Liquidation Preferences
- Poison Pills
- Flip-ins / Flip-overs

그 다음 나온 CME(시카고 상품거래소)의 Sandra Ro 의 발표는 매우 놀라웠습니다. 거래소의 많은 부분들을 블럭체인베이스로 전환시키고자하는 계획을 가지고 있었습니다.
https://en.wikipedia.org/wiki/Chicago_Mercantile_Exchange

A Markets Perspective: Blockchain Trends, Trading and Digital Assets

Sandra Ro, Executive Director, Head of Digitization

CME Group

 @srolondon

Houston, TX
Rice Business School
24 April 2017

 CME Group

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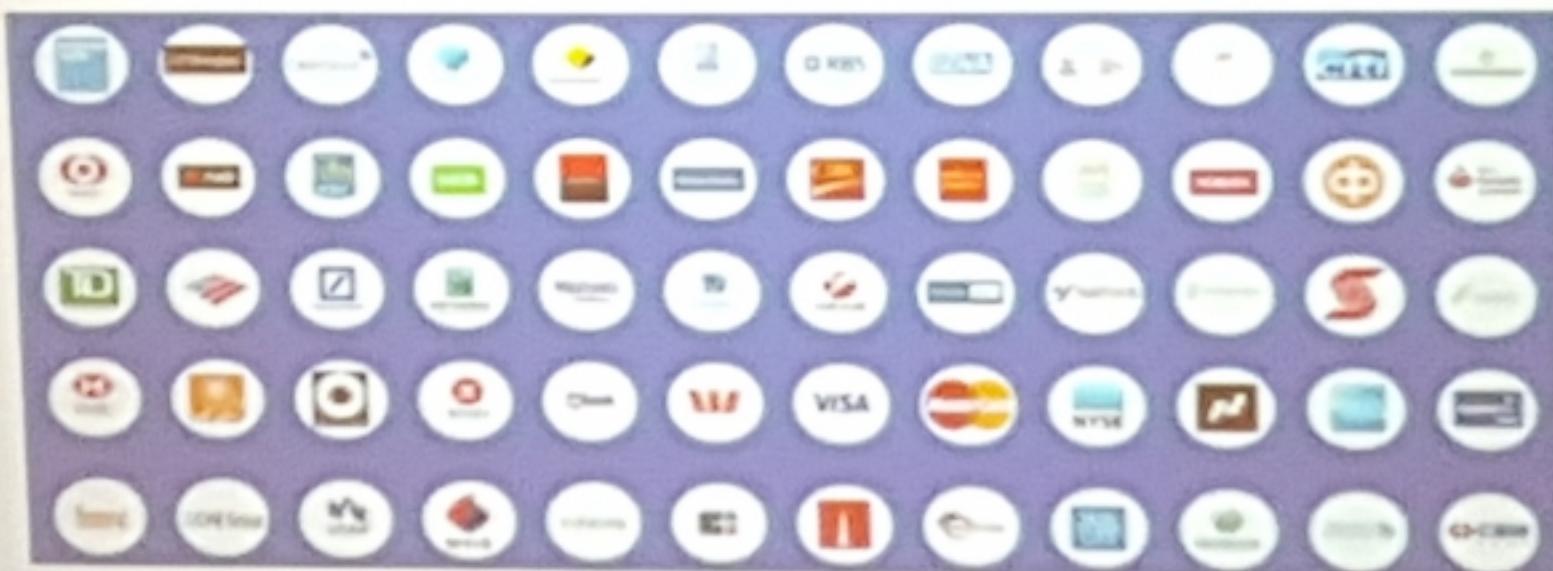
Trend 1: Continued DLT Investment by FIs

Potentially significant cost savings and new opportunities

The annual cost savings potential from digitizing Post Trade services alone is estimated to be upwards of \$15 Billion*

In addition, new business models and businesses to be protected or created.

As a result:



... and many have invested over \$1B in Blockchain technologies in 2015 and 2016; investment continues into 2017

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*San Francisco: The FinTech 2.0 Paper 2015

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2017: Blockchain Applications in Early Development

Banking for
the Unbanked

Food Supply Chain
Management

Regulation
and Law

Healthcare

Financial Trading
and Post Trade
Services

Land Registry

Provenance of
Commodities

Cybersecurity and
Terrorism Surveillance

Data,
Information,
Record Keeping

Identity

Capital Markets
and Derivatives

Digital Rights
and Ownership

Decentralized
Autonomous
Organizations
(DAOs)

Digital Assets and
Currencies

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Trend 2: New Consortia, Collaboration Big and Small

Incumbent Institutions, government entities, fintech start ups working together



ENTERPRISE
ETHEREUM
ALLIANCE



CHAMBER OF
DIGITAL
COMMERCE



HYPERLEDGER

PTDL Group



BLOCKCHAIN
RESEARCH
INSTITUTE



GBBC
Global Blockchain
Business Council

WSBA
Wall Street Blockchain Alliance

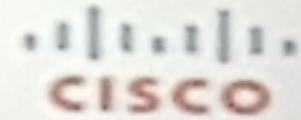
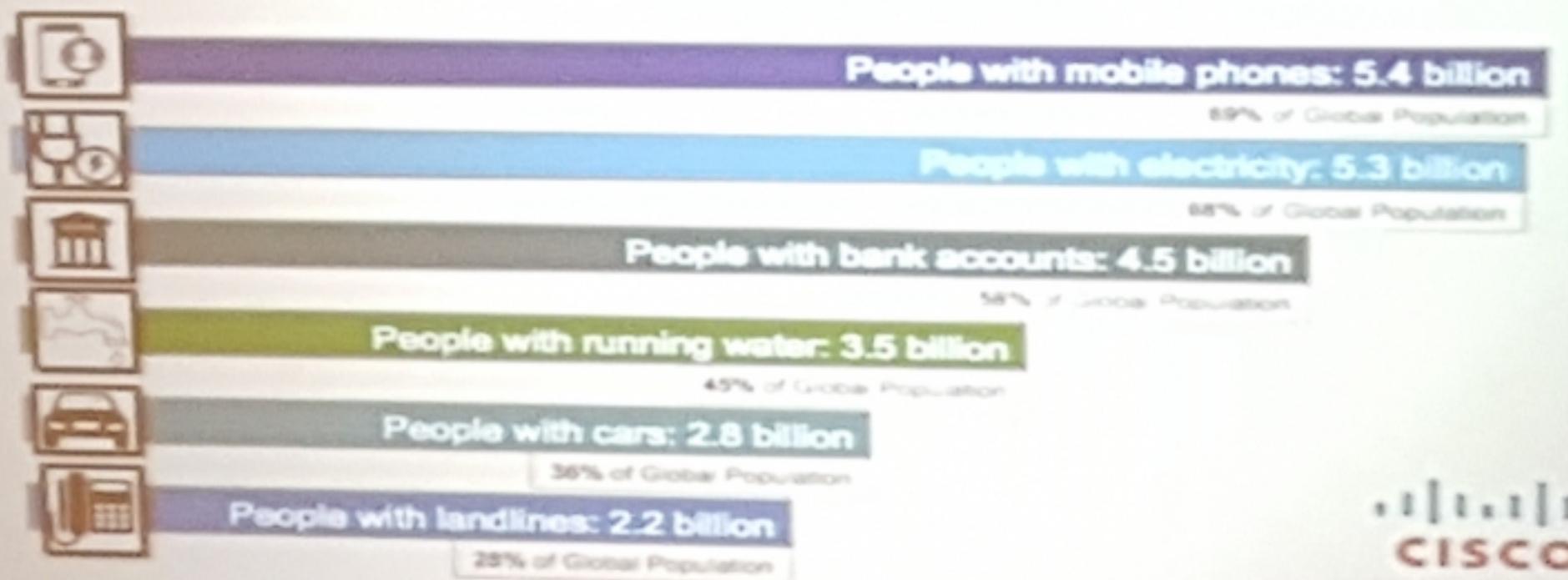
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Trend 3: Internet + Mobile Phones + Blockchains => Greater Access to Financial Services

Mobile Growth Continues Through 2020

By 2020, more people will have mobile phones than electricity at home

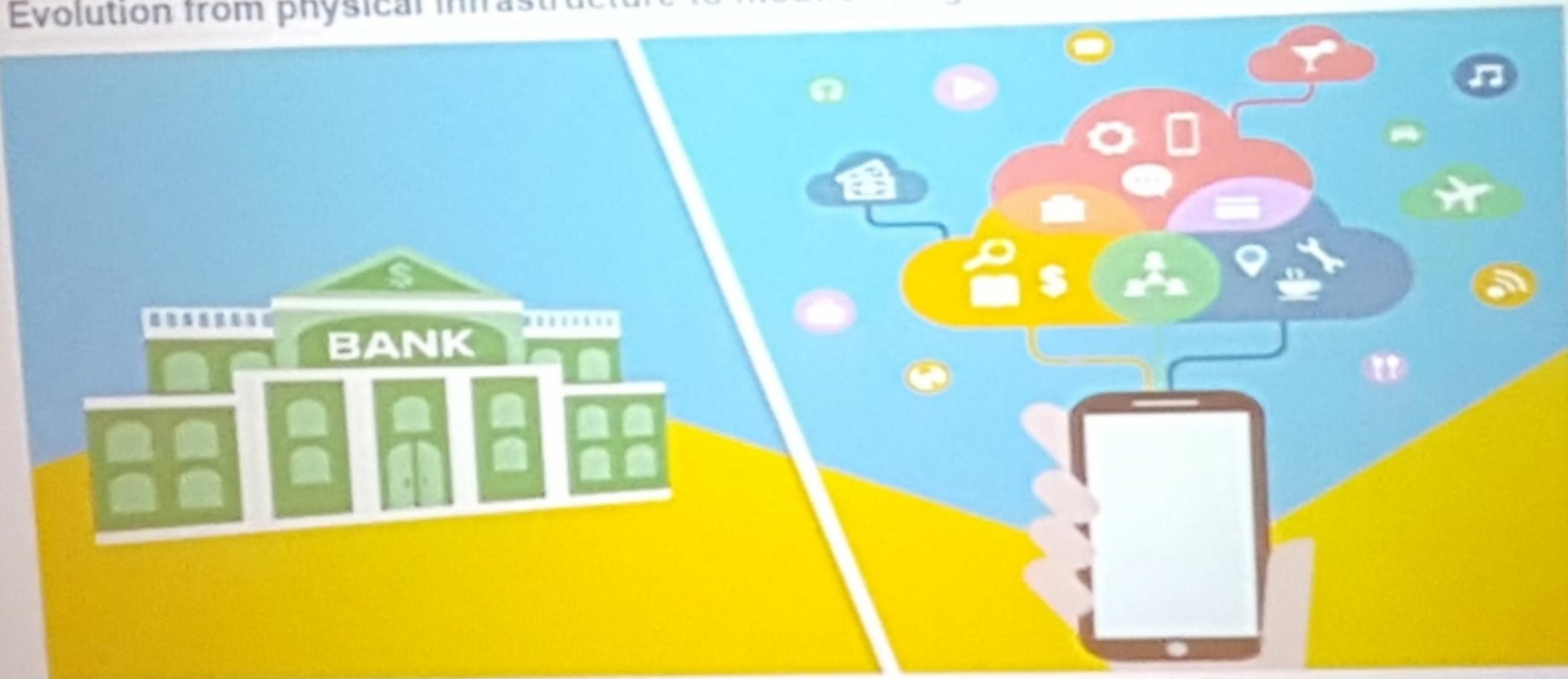


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Banking, Trading and Financial Services of the Future

Evolution from physical infrastructure to mobile & digital infrastructure



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Trend 4: Convergence of Technologies

Blockchain / DLT - future infrastructure

The Present Tech Business landscape



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Trend 5: Crypto / Digital Assets and Trading

Rise of crypto, tokenized physical assets, & potentially digitized fiat currencies

#	Name	Market Cap	Price	Circulating Supply	Volume (24h)
1	Bitcoin	\$20,005,348,730	\$11,111	17,314,313 BTC	\$740,330,000
2	Ethereum	\$4,417,633,620	\$1,077	4,110,000 ETH	\$30,725,400
3	Ripple	\$1,209,373,975	\$0.77	1,570,000 XRP	\$0,902,400
4	Litecoin	\$657,610,763	\$1.77	3,737,000 LTC	\$107,415,000
5	Dash	\$510,232,114	\$1.11	491,000 DASH	\$69,000,000
6	Ethereum Classic	\$292,004,987	\$1.77	161,034,373 ETC	\$29,000,400
7	Monero	\$286,519,205	\$20.12	14,339,279 XMR	\$5,251,500
8	NEM	\$206,075,800	\$0.031790	5,000,000,000 XEM	\$2,100,500
9	Augur	\$133,160,200	\$12.11	11,000,000 REP	\$1,202,200
10	MaidSafeCoin	\$102,232,042	\$0.225001	452,552,412 MSAF	\$1,129,300

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Source: <https://cryptomktcap.com>, 22 April 2017

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The World's Most Diverse Derivatives Marketplace

Deep liquidity, price discovery across a diverse range of asset classes, products and customers



TRADE
REPORT / CLEAR

CME | NYMEX | COMEX | CBOT

CME DIRECT

OR OTHER ENTRY METHOD INCLUDING, INDEPENDENT SOFTWARE VENDOR / PROPRIETARY SYSTEM

GLOBEX

Exchange Trade Definition (ETD)

CLEARPORT

Over-the-counter (OTC) cleared

CME CLEARING (US)

Clearing facilitation

GLOBAL TRADE REPOSITORY SERVICES (Europe, US & Canada)

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CME Group Digitization Overview

- I. Long Term Vision and Strategy
- II. Research & Grow FinTech Network of Start Up Partners
- III. Proof of Concepts and Projects/New Business Lines
 - DLT / Blockchain
 - Digital Assets / Crypto Assets
- IV. Thought Leadership and External Engagements
 - Post Trade Distributed Ledger (PTDL) Forum (2015)
 - The Linux Foundation - Hyperledger Project (2016)
 - IOSCO / WFE: Blockchain Task Force (2016)
 - FIX Blockchain and Digital Asset Working Group (2016)
 - Chamber of Digital Commerce (2016)
 - Global Blockchain Business Council (GBBC) (2017)
 - Enterprise Ethereum Alliance (EEA) (2017)
- V. CME Ventures
 - Independent investment arm of CME Group
 - Strategic equity investments: Ripple, Digital Asset, Digital Currency Group

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RMGs – Price & Direct Ownership Transparency

RM G

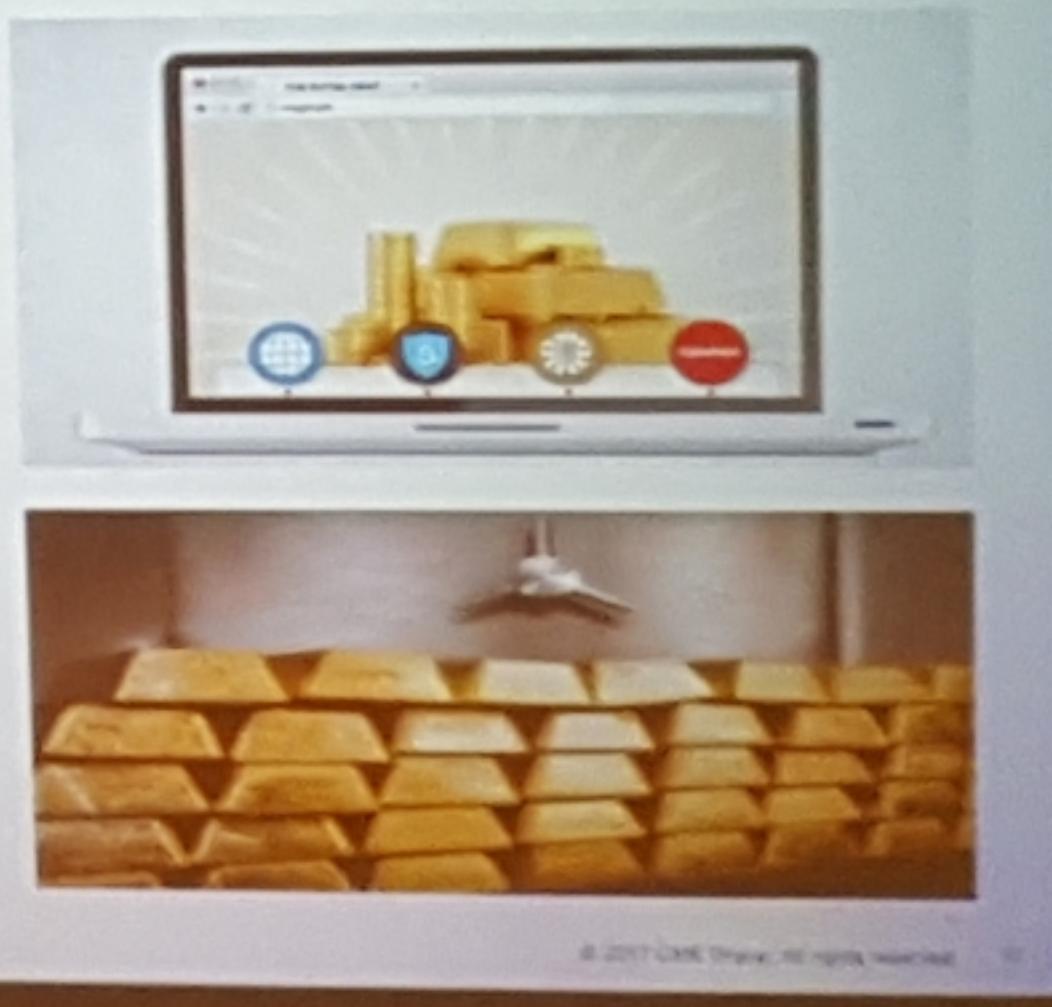
11 April 2017 CME Group published an OpenMarkets article about its fintech partners, BitGo and AlphaPoint

"How Blockchain is Changing Gold Markets" (by Peter Shadbolt) <http://bit.ly/2pAQdBK>

Key Highlights:

- Testing phase commenced with institutions
- Release of RMG's open source blockchain component "Prova" (Italian for "proof") <http://www.provachain.com/>
- Separation of powers and enforces decentralization by division of roles:
 - The Asset Issuer (The Royal Mint)
 - Validators (academic, public and private institutions)
 - Peer-to-Peer Network Nodes (nodes to verify legitimate transactions and blocks)
 - Account Providers (select institutions to provide user services)

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Metals/Minerals 2016: Announced Initiatives

- 1) DIGIX (DGD) DAO* + Ethereum Blockchain => gold digital token
↳ Launched March via first on-chain crowdsale

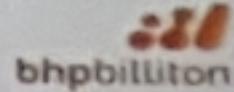


- 2) Paxos (fka itBit) + Euroclear => Blockchain for OTC Gold Market
↳ Developing blockchain-based settlement system for gold
↳ Announced June



- 3) TradeWind Markets (IEX + Sprott) + Blockchain => new Gold Spot exchange
↳ Utilize DLT to eliminate the need for 3rd party verification by providing participants real time record of all transactions
↳ Announced September

- 4) BHP Billiton + Ethereum Blockchain POC => Mineral Samples
↳ Provenance platform based on Ethereum built for BHP's internal tracking of movements of wellbore rock and fluid samples
↳ Announced at the 2nd annual Global Blockchain Summit in Shanghai, September



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Commodities 2017: Announced Initiatives

1) Mercuria, ING, Societe Generale => Crude Oil trade on a blockchain - digitization of 'bill of lading' process

- ↳ Mercuria shipped an oil cargo with African crude to China, selling it to one of its shareholders – ChemChina – with ING and Societe Generale helping to execute the deal
- ↳ Announced at Davos on 19 January



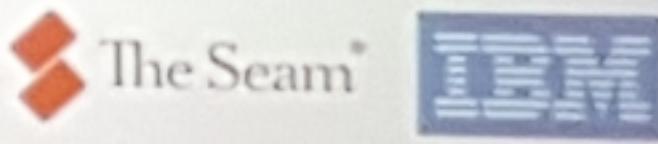
2) Trafigura, Natixis, IBM => crude oil financing on a blockchain

- ↳ Utilize DLT to modernize crude oil trade finance
- ↳ Built on Hyperledger's Fabric DL
- ↳ Announced on 28 March



3) The Seam, IBM => call to form cotton industry consortium for adoption of blockchain

- ↳ Formation of a cotton industry consortium to use a single, shared blockchain to record, track, and trade all of the world's cotton markets in real-time, and with instant trade execution
- ↳ Announced on 5 January



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Risks to Blockchain / Distributed Ledger Adoption

- Technology does NOT live up to the potential promise
 - Scalability issues
 - Use cases do not generate efficient processes and cost savings
 - Security concerns
 - Transaction anonymity and privacy
- Industry standards and harmonization attempts fail
- Exogenous technology threats (e.g. quantum computing overtakes blockchain evolution)
- Regulatory contradictions or ambiguity across jurisdictions

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3편에서 계속 됩니다.....

여보슈! 당신의 살림살이도 비참한 모양인데 지금 가는 곳이 어디시우? 쓸데없이 돌아다니지 말고 우리 적당으로 들어와 한 뜲 보는게 어떻겠소? (역사 속의 야담 - 풍류열전)

댓글 목록

등록된 댓글이 없습니다.

목록

현재 강좌

전체	나도dApp개발	블록체인2.0	덕후들의번역놀이	금마마이닝	블록체인메트릭스	로움의암호화폐	까짓거 한번C	아침커피컴파입문	기타
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Total 112건 1 페이지

RSS

번호	제목	글쓴이	날짜	조회	추천
공지	블록체인 2.0 라이스대 비지니스 블록체인 컨퍼런스 시리즈 목차 2	atomrigs	04-28	208	4
공지	공지 현재 강좌 이용 안내 2	CHAIINTALK	03-18	185	2
110	블록체인 2.0 라이스대 비지니스와 블럭체인 컨퍼런스 비디오 모음 1	atomrigs	05-03	111	0
109	블록체인 2.0 라이스대 비지니스 블록체인 컨퍼런스(6) 1	atomrigs	04-28	103	0
108	블록체인 2.0 라이스대 비지니스 블록체인 컨퍼런스(5) 1	atomrigs	04-28	96	1
107	블록체인 2.0 라이스대 비지니스 블록체인 컨퍼런스(4)	atomrigs	04-28	84	1
106	블록체인 2.0 라이스대 비지니스 블록체인 컨퍼런스(3)	atomrigs	04-28	112	1
열람중	블록체인 2.0 라이스대 비지니스 블록체인 컨퍼런스(2)	atomrigs	04-28	203	0
104	블록체인 2.0 라이스대 비지니스 블록체인 컨퍼런스(1) 10	atomrigs	04-27	574	10
103	덕후들의 번역놀이 블록체인덕후들의 프린스턴 블록체인교재 번역놀이 : 1장 (28P 끝 ~ 30P) 1	진리	04-18	368	1
102	금마 마이닝 바이오스타 TB250-BTC 보드의 특성 4	금마	04-07	439	3
101	덕후들의 번역놀이 블록체인덕후들의 프린스턴 블록체인교재 번역놀이 : 1장 (18P-21P) - 완료	하늘코인	04-02	523	1
100	덕후들의 번역놀이 프린스턴 블록체인 교재 번역 p31-p32	Culap	04-01	495	1
99	로움의 암호화폐 [특허] 제가 출원한 암호화폐 송금 관련 6	loum	04-01	620	0
98	로움의 암호화폐 다중 계정 등에 의한 시빌 문제 1	loum	03-29	359	2
97	로움의 암호화폐 합의 알고리즘에 대한 쉬운 설명 2	loum	03-29	470	0
96	로움의 암호화폐 Mastering Bitcoin 책 소개 4	loum	03-29	425	0
95	로움의 암호화폐 이더리움 엘로페이퍼를 잠깐 보고 든 생각....	loum	03-29	375	0
94	로움의 암호화폐 pos의 포크 문제에 대한 개인적 의견 및 해결방안	loum	03-29	369	0
93	나도 dApp 개발 나도 dApp 개발해보자 (6) - TestRPC 활용 21	atomrigs	03-29	955	8

