R3 Telecoms Intro

October 2020

R3 timeline

SEPT. 2014 | First R3 roundtable held in NY; attended by eight banks to understand blockchain

DEC. 2015 | R3 consortium grows to 42 bank members

NOV. 2016 | Corda Open Source GA

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AUG. 2018 | Ecosystem grows to 200+ financial institutions, regulators, trade associations, professional services firms and tech companies

SEPT. 2015 | Nine banks form a partnership with R3 to design and deliver advanced DLTs to global financial markets

SEPT. 2015 | R3 launches the Architecture Working Group to architect an enterprise-grade blockchain

JULY 2018 | Corda Enterprise 3.0 launches with 100% interoperability with Corda 3.0 open source

c•rda enterprise

BARCLAYS BBVA CommonwealthBank CREDIT SUISSE

Goldman Sachs J.P.Morgan STATE STREET UBS Royal Bank of Scotland
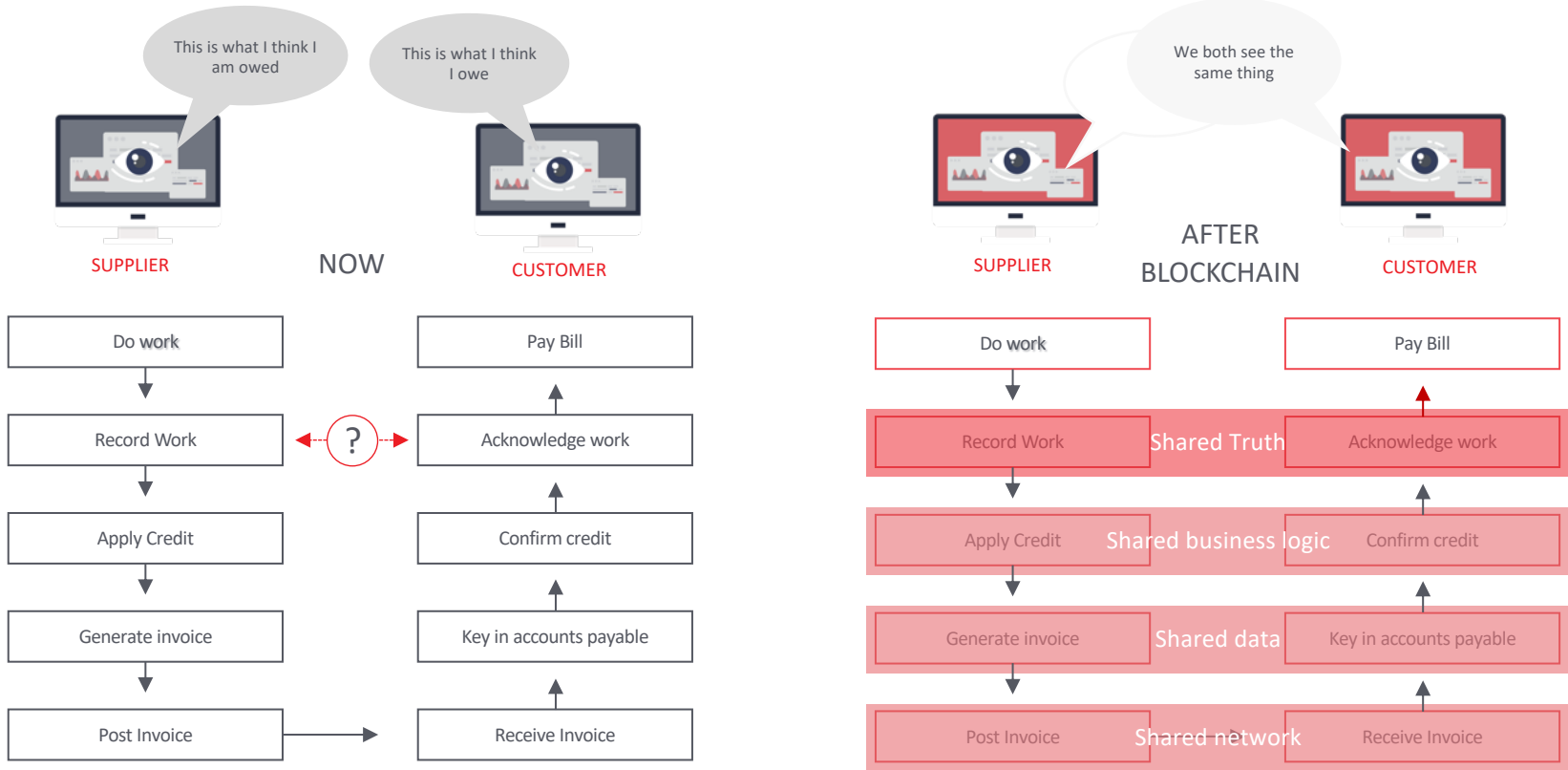
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corda

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Corda—the de facto enterprise blockchain platform

Industry challenge: "what I see is not what you see"

Corda: open source at its core

Open Source
An open source platform where the source code is available on GitHub under an Apache 2 license

Open Design
A flexible and agile platform that can scale to meet the needs of any business.

Open Development
Supported by a robust community of developers working on enhancements, added features, and functionality
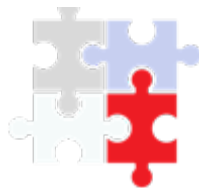
Java
Build CorDapps in Java—a language used by 12M+ developers

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Benefits of Corda Enterprise

Proven performance
Handle 600 transactions per second (TPS) and validate and enhance setup with a performance test suite.

Secure + private
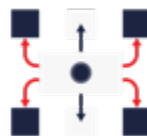Transaction history is shared on a need to know basis. HSM integration ensures protection for signing keys.

Highly scalable
Process and store data on a ledger that eliminate scalability issues.

Enterprise integration
Packaged integration with mission critical systems and database technologies that underpin your business.

Cloud ready
Deploy Corda Enterprise easily on any cloud solution and quickly standup new nodes with Docker.

Interoperability
Corda Enterprise is 100% compatible and interoperable with Corda open source. Corda Network enables blockchain networks to transact with one another.

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International Fraud
Use Cases

Wangiri and IRSF Fraud.

International communications fraud is a USD$30b a year problem for the industry. R3 is working with Infosys and other vendors to develop fraud management and mitigation solutions on Corda. These solutions provide carriers with validated data records of fraudulent number ranges, as well as immediately available data to reconcile fraudulent activity, data insights to manage threats and the ability to incentive risk mitigation techniques across networks.

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Short Stop Fraud

| $30B a year problem | Fraud exploits silos | Centralised models fail |

Blockchain provides a traceable and accountable chain of carriers from the originating to the destination network.

Short Stopped Route of Call

Fraudulent Actor £1.20

Transit Carrier | Short Stopping Carrier

$2.00 $1.80 $1.60 $1.20 $0.80

20   20   40   40   80

Intended Route of Call

Originating Network   Transit Carrier(s)   IPRN Provider   Destination Network

Demo CorDapp:

Intercarrier Fraud Scenario

Want more Corda?

Trial Corda Enterprise at r3.com/download-corda-enterprise

Download it at corda.net

Follow us @inside_r3 and @cordablockchain

Thank you

www.r3.com

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