RSA Conference 2018

San Francisco | April 16–20 | Moscone Center

KNOW MATTERS NOW

SESSION ID: **SPO2-T08**

THE FUTURE OF TRUST IN ECOSYSTEMS - GLOBAL CHALLENGES

MODERATOR: **Prof. Dr. Norbert Pohlmann**
Director of the **Institute for Internet Security – if(is)** / Chairman of **IT Security Association TeleTrusT**

PANELISTS: **Dr. Kim Nguyen**   **Adam Ross**   **Dirk Czepluch**
Fellow of   Manager eID Solutions of   Vice President of
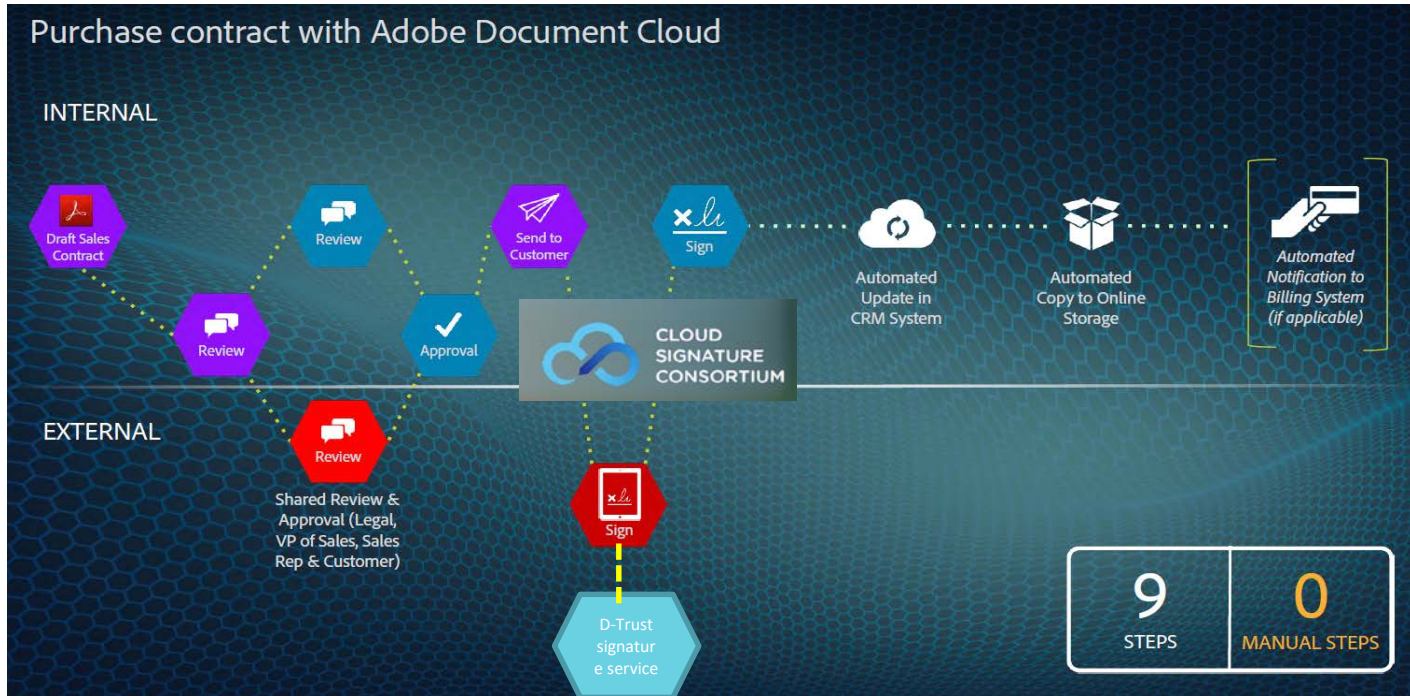**Bundesdruckerei**   **cv cryptovision**   **Rohde & Schwarz Cybersecurity**
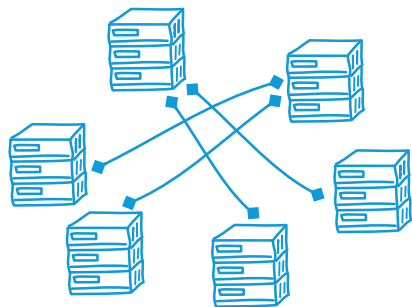CEO of
D-Trust

**TRUST IS IN THE CENTER OF INTERACTION
BETWEEN INDIVIDUALS AND ORGANIZATIONS**

Trust Services are becoming part of a global market

Purchase contract with Adobe Document Cloud

INTERNAL

Draft Sales Contract

Review

Review

Send to Customer

Sign

Approval

CLOUD SIGNATURE CONSORTIUM

Automated Update in CRM System

Automated Copy to Online Storage

Automated Notification to Billing System (if applicable)

EXTERNAL

Review

Shared Review & Approval (Legal, VP of Sales, Sales Rep & Customer)

Sign

D-Trust signature service

9 STEPS   0 MANUAL STEPS

TeleTrusT Pioneers in IT security.
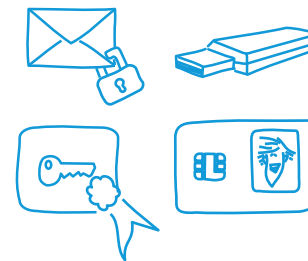
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Authentication, encryption, identity assurance

Services are becoming interconnected
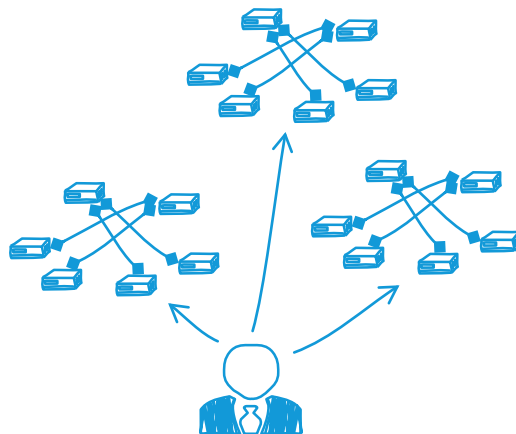
Need for verifying an individual's identity in multiple different ecosystems

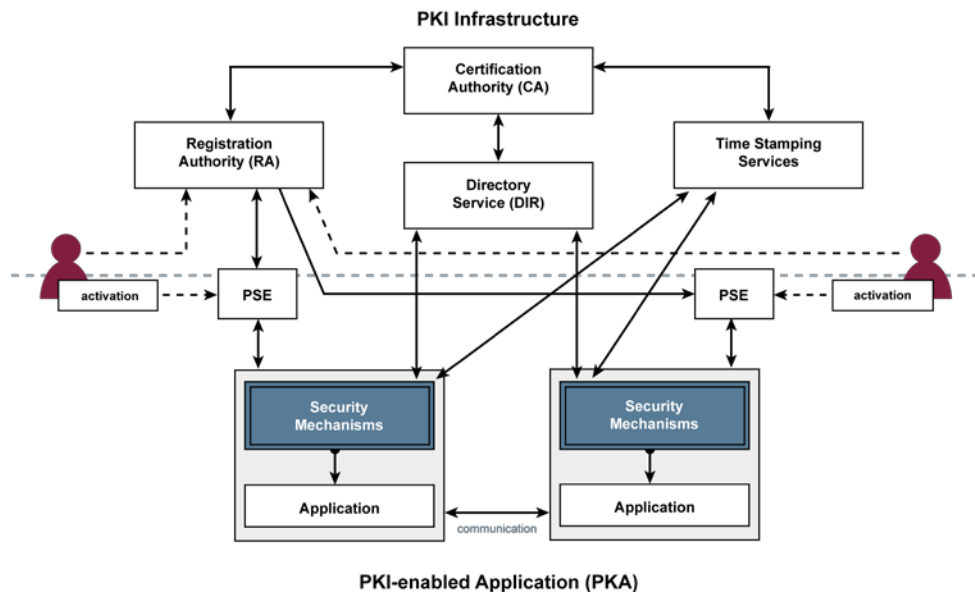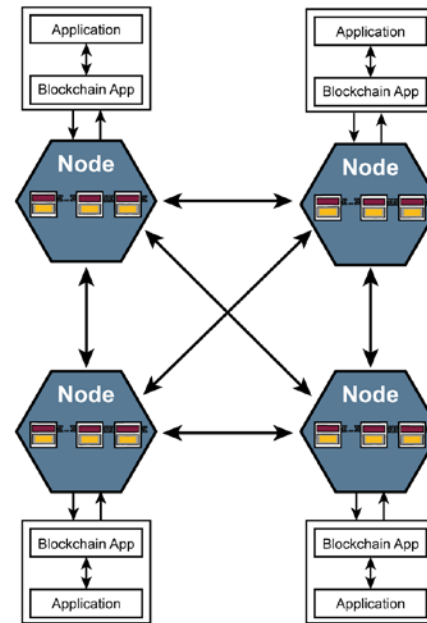Strong authentication, encryption, identity assurance needed

PKI - centralized

Blockchain - decentralized

PKI Infrastructure

Certification Authority (CA)

Registration Authority (RA)

Time Stamping Services

Directory Service (DIR)

activation — PSE

PSE — activation

Security Mechanisms

Security Mechanisms

Application

Application

communication

PKI-enabled Application (PKA)

Application — Blockchain App

Application — Blockchain App

Node

Node

Node

Node

Blockchain App — Application

Blockchain App — Application

What You Have Learned Today

- **Trust is an essential building block** of digital processes

- **Business is global**, **Trust is local**

- Trust comes in different flavors:
  - In the future there will be centralized and decentralized trust solutions (e.g. **PKI Services** and **Blockchain-Technology**)

- Trust will be a vital component also in emerging markets, especially IoT

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