

## EASYTOCERTIFY

DIGITAL CERTIFICATES - Frank Hoeben





# CERTIFICATES LICENSE TO OPERATE & PROVIDE TRUST

#### **PROBLEMS**

- Rule based thinking instead of Principle based
- Time-consuming
- Lagging claims
- Exclusion
- Fraud







Analogue thing Physical asset

#### electronic extracts e-B/L, e-AWB etc.

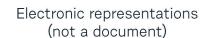


01110100 01110010 01100001 01100011 01100101 00111010 01101111 01110010 01101001 01100111 01101001 01101110 01100001 01101100





01010010 01100101 01110000 01101100 01100001 01100011 01101001 01101110 01100111 00100000 01010000 01100001 01110000 01100101 01110010 00100000 01001111 01110010 01101001 01100111 01101001 01101110 01100001 01101100 01110011





Digital thing Digital asset

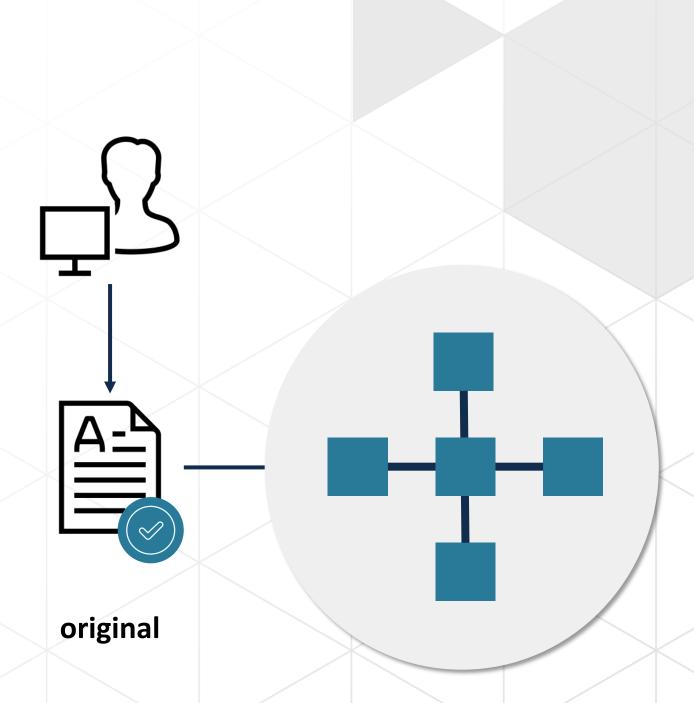


#### Paper vs. Electronic vs. Digital

create a digital original - solely in

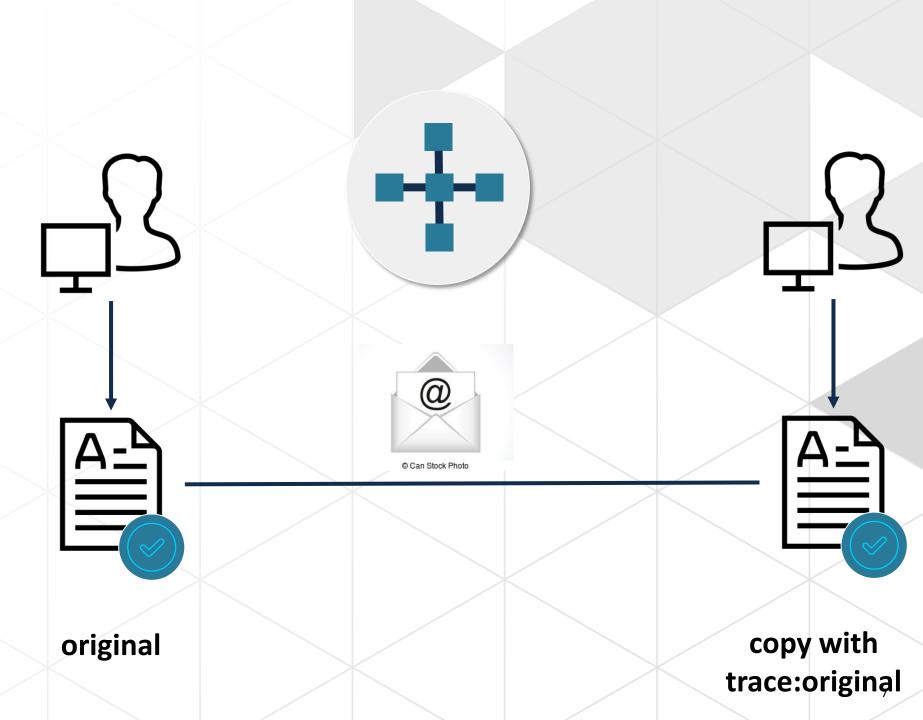
the control of the holder

and machine
and can be stored locally - and
can be seen without blockchain

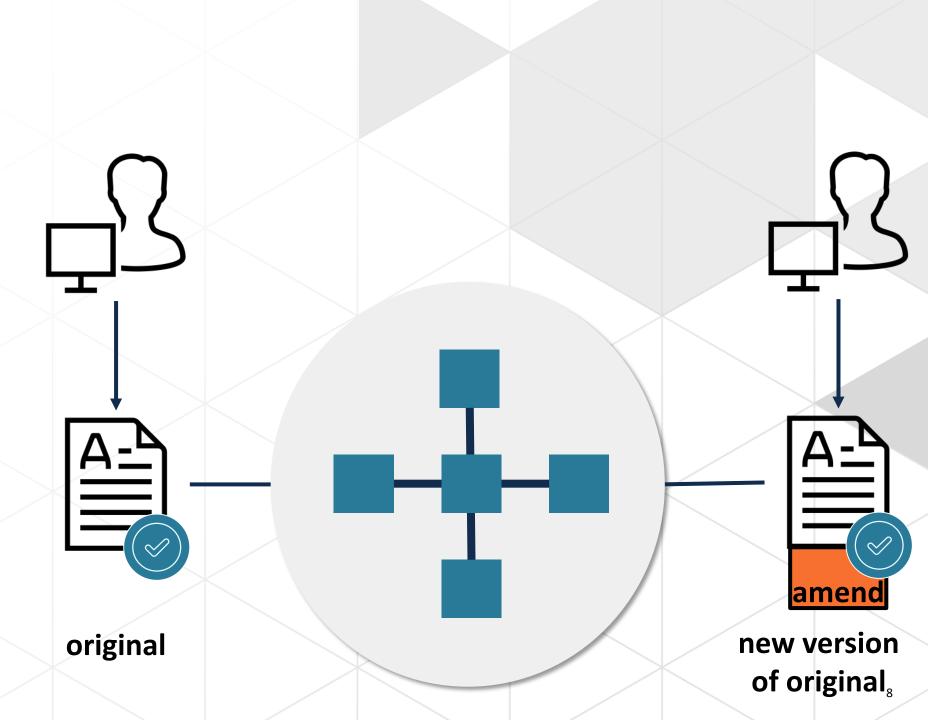




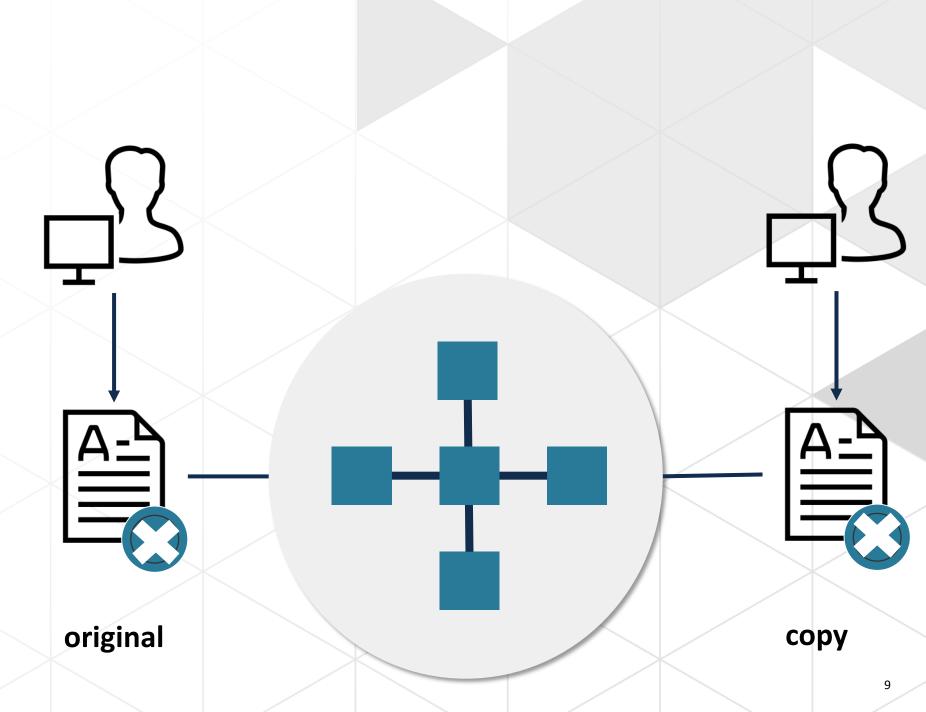
distribute copies of a digital original can be done using and normal distribution mechanism, such as e-mail or a USB-stick

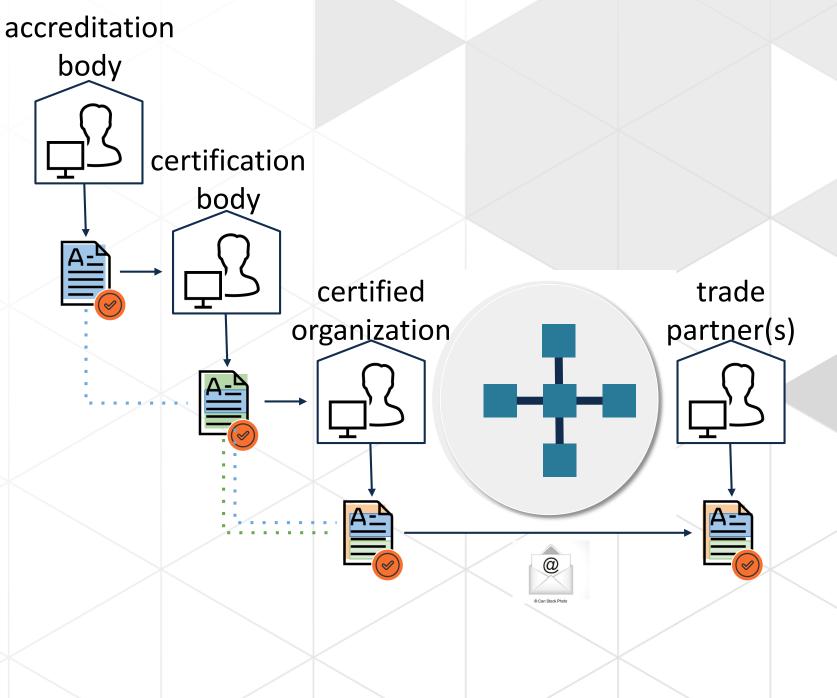


amend data to a digital original keep complete immutable traceability / audit trail documents can not be changed but amendments are possible

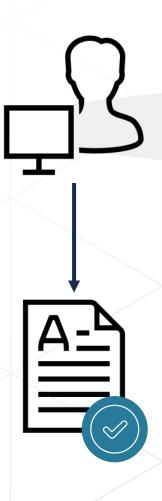


invalidate / Revoke a digital original, when the original is invalidated - then all copies will also be invalid





#### **Application**







create certificates

exchange certificates

combine certificates

amend certificates

add smart context

(include certificate details)

















Digital Certificates can transform the way we are doing business.

