



DANISH MARITIME AUTHORITY

DIGITALIZATION OF CERTIFICATES – SECURE DATA SHARING WITH BLOCK CHAIN TECHNOLOGY

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DANISH MARITIME AUTHORITY

OUR STARTING POINT

Ship registration

Danish Maritime Authority > Self-service > Ship registration



Forms for registration



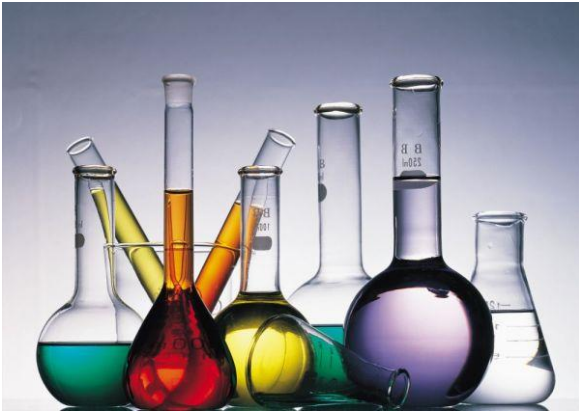
Search the ship registers

TRADING SHIPS TOMORROW

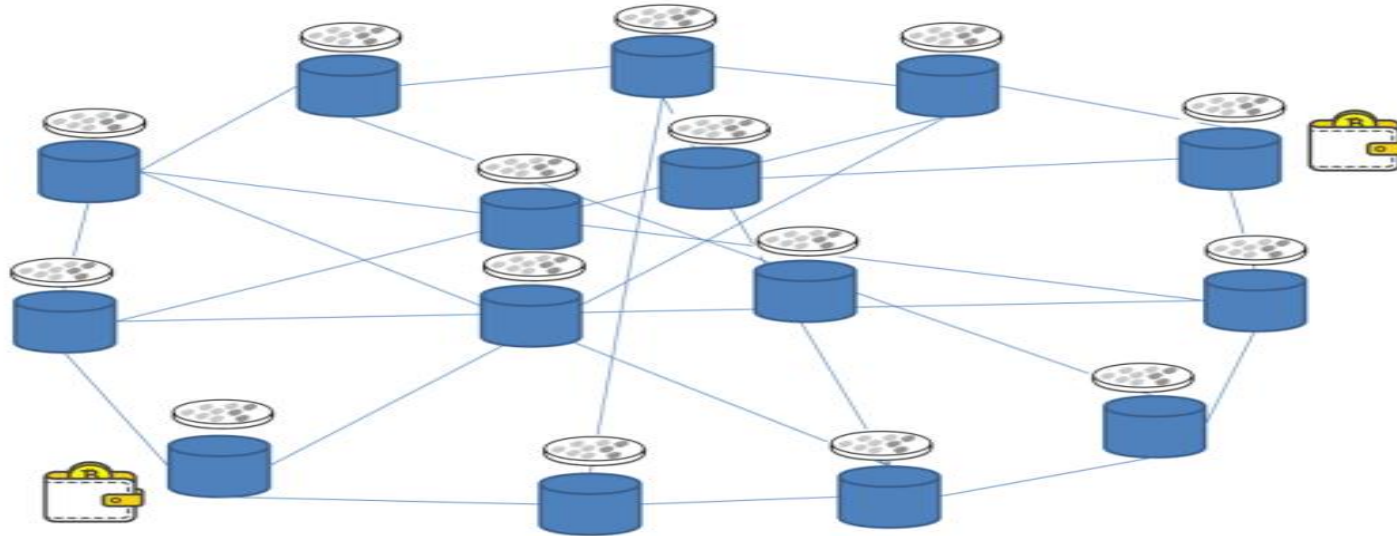


Smart Contracts
/ Chain Code

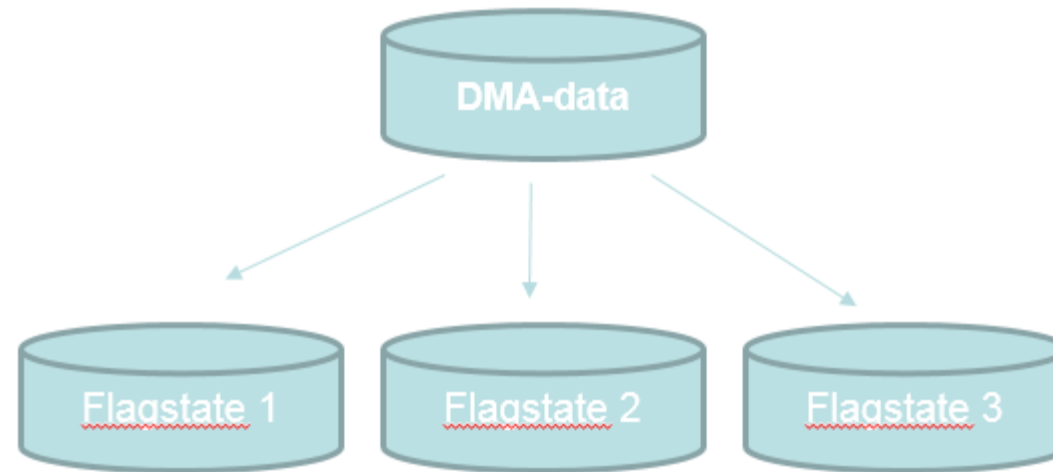
GOVERNMENT BLOCKCHAIN LAB



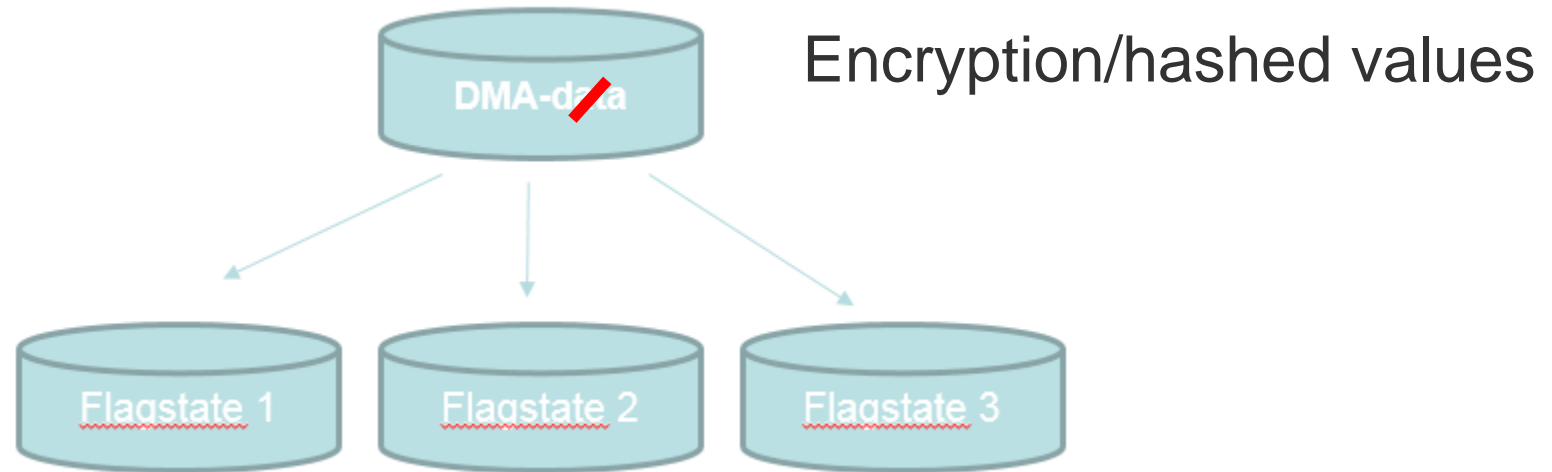
SECURITY THROUGH OPENNESS



PUBLIC/PRIVATE NETWORK



WHICH INFORMATION?

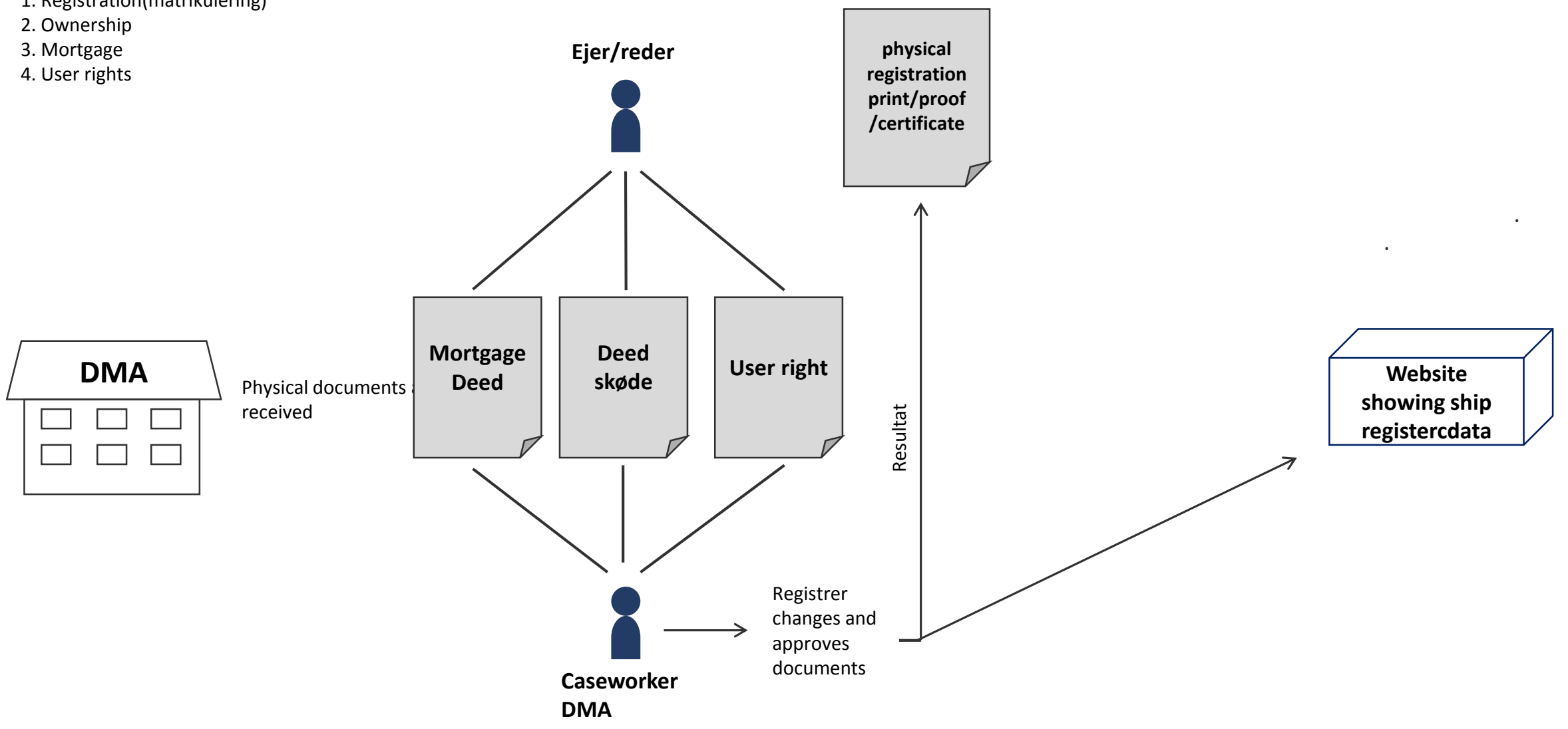


DIGITAL SHIP REGISTRATION

Ship register as-is (2019 scenario)

Registration:

1. Registration(matrikulering)
2. Ownership
3. Mortgage
4. User rights

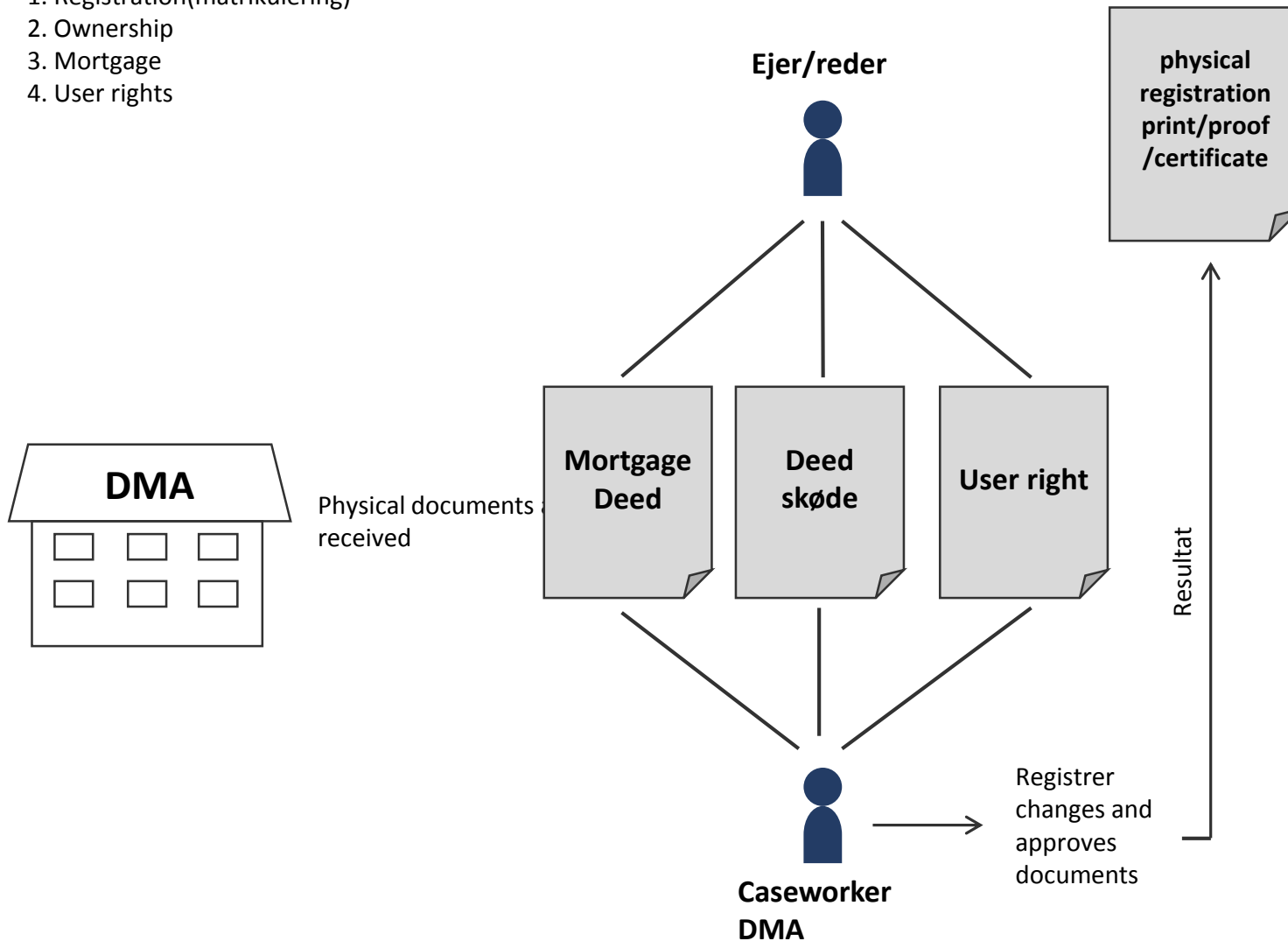


DIGITAL SHIP REGISTRATION

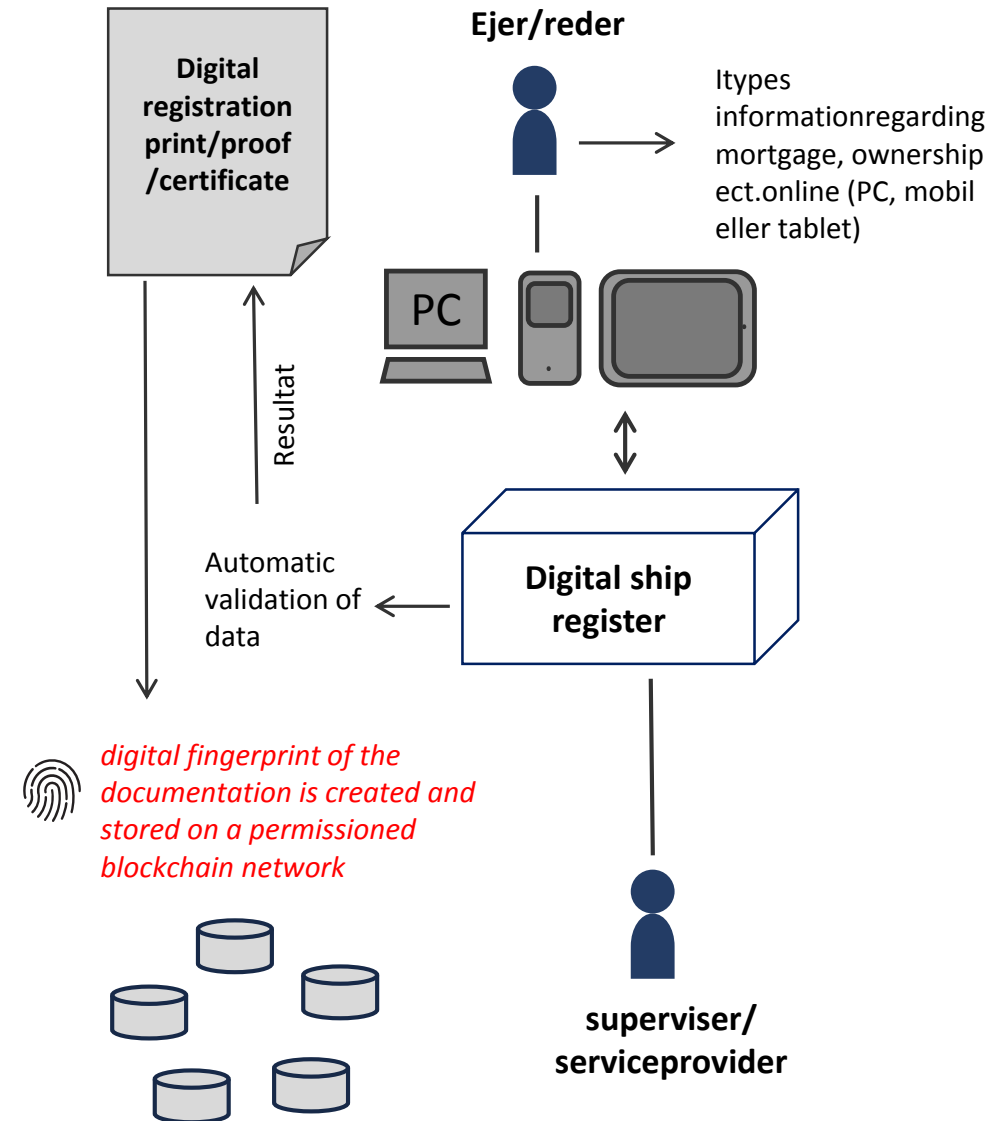
Ship register as-is (2019 scenario)

Registration:

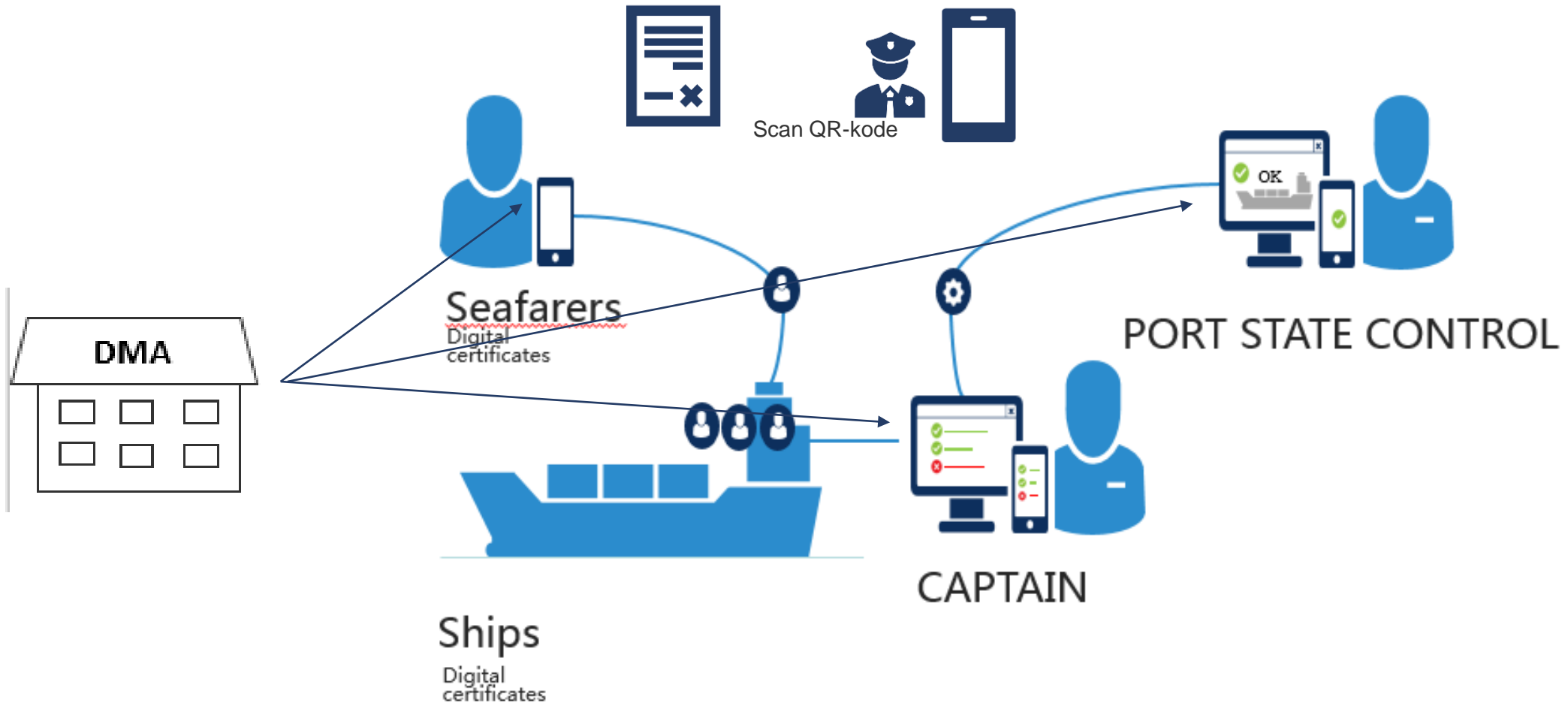
1. Registration(matrikulering)
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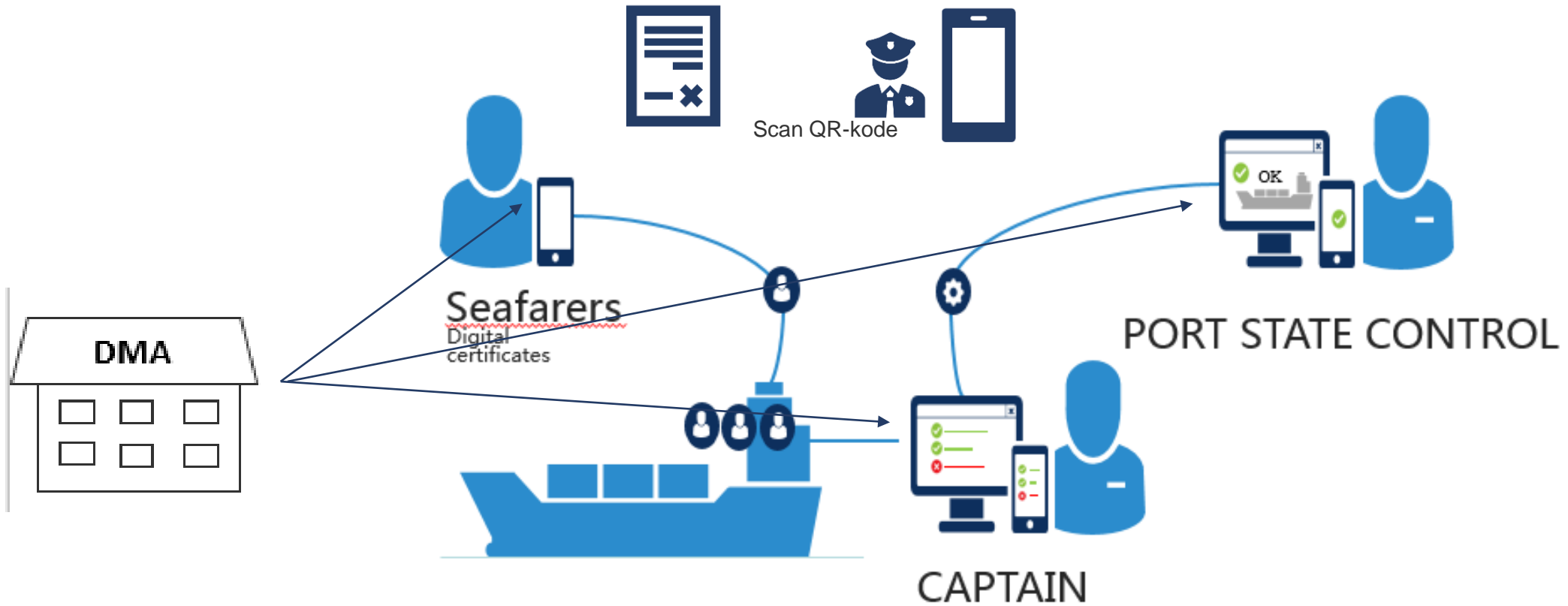
Ship registration to-be (2020 scenario)



DIGITAL SERVICE CONCEPT

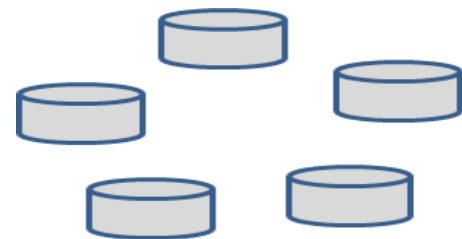


DIGITAL SERVICE CONCEPT



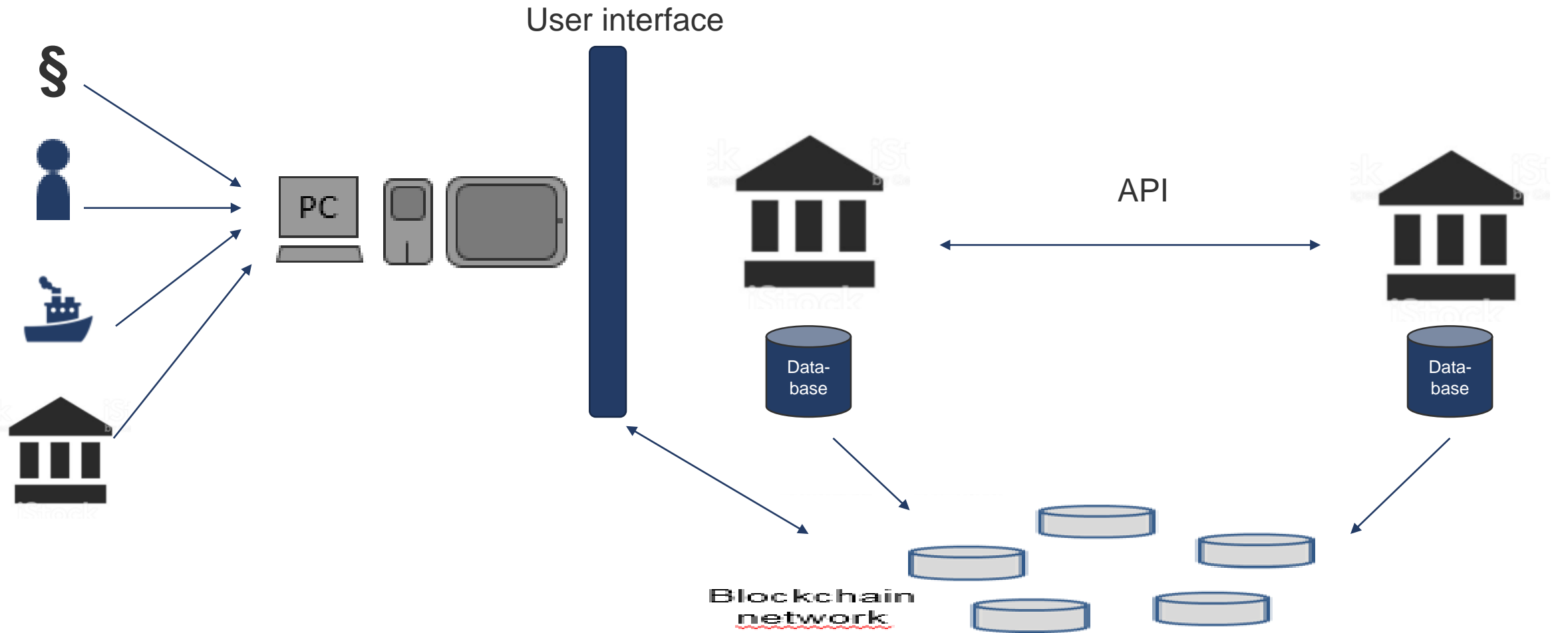
CAPTAIN

Ships
Digital certificates

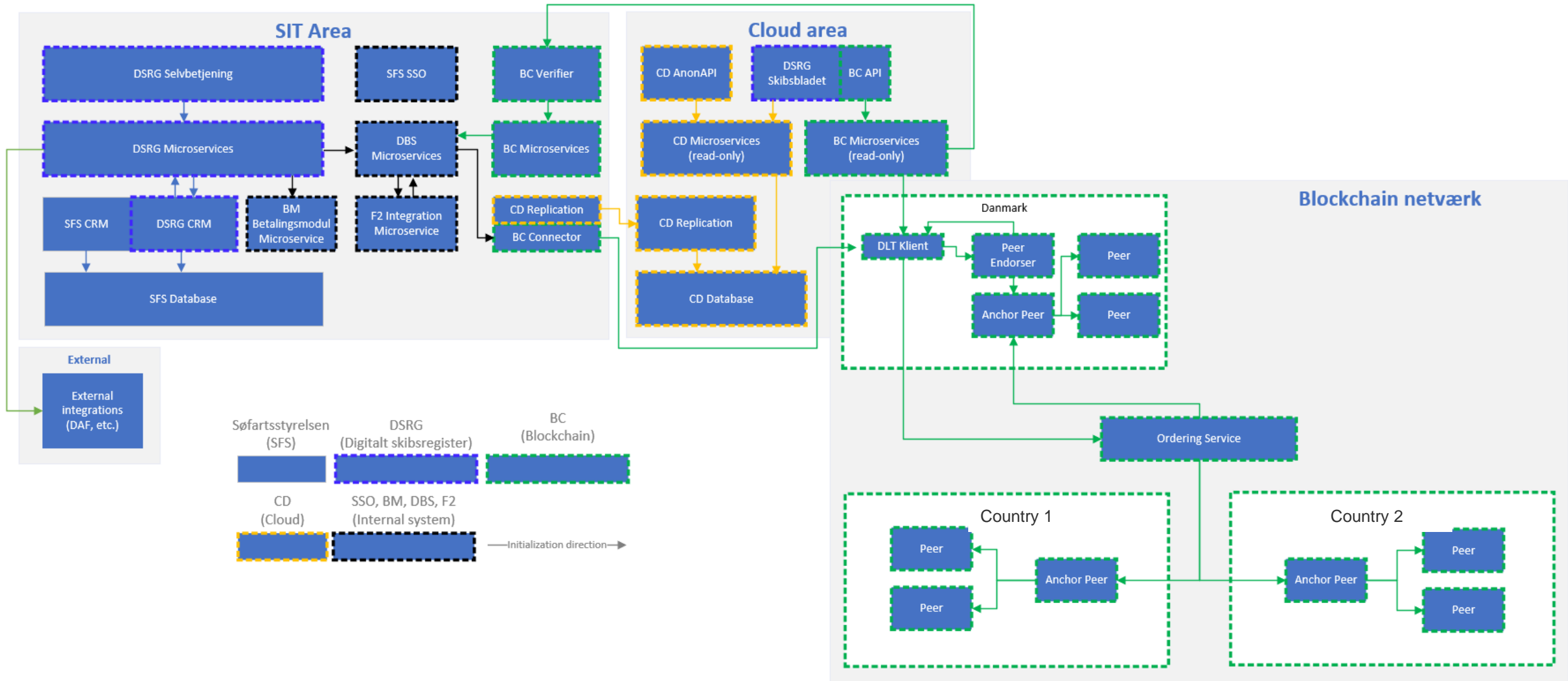


Blockchain as Proof -
Data Validity and Integrity

THE GLOBAL SETUP



BLOCKCHAIN ARCHITECTURE



THANK YOU FOR
YOUR ATTENTION

