ARCATrust e la Crittografia Quantum-Safe

Giulia Traverso

ARCA TRUST

PQCifris

May 9th, 2019

I dati sono il nuovo petrolio

Economist, May 2017

ARCA TRUST

Proteggere i dati diventa cruciale

ARCA TRUST

Proteggere i dati diventa cruciale

ARCA TRUST

Proteggere i dati diventa cruciale

ARCA TRUST

Gli approcchi di oggi non sono sufficienti

Cifratura dei dati

ARCA TRUST

Gli approcchi di oggi non sono sufficienti

Cifratura dei dati

Computer quantistico

ARCA TRUST

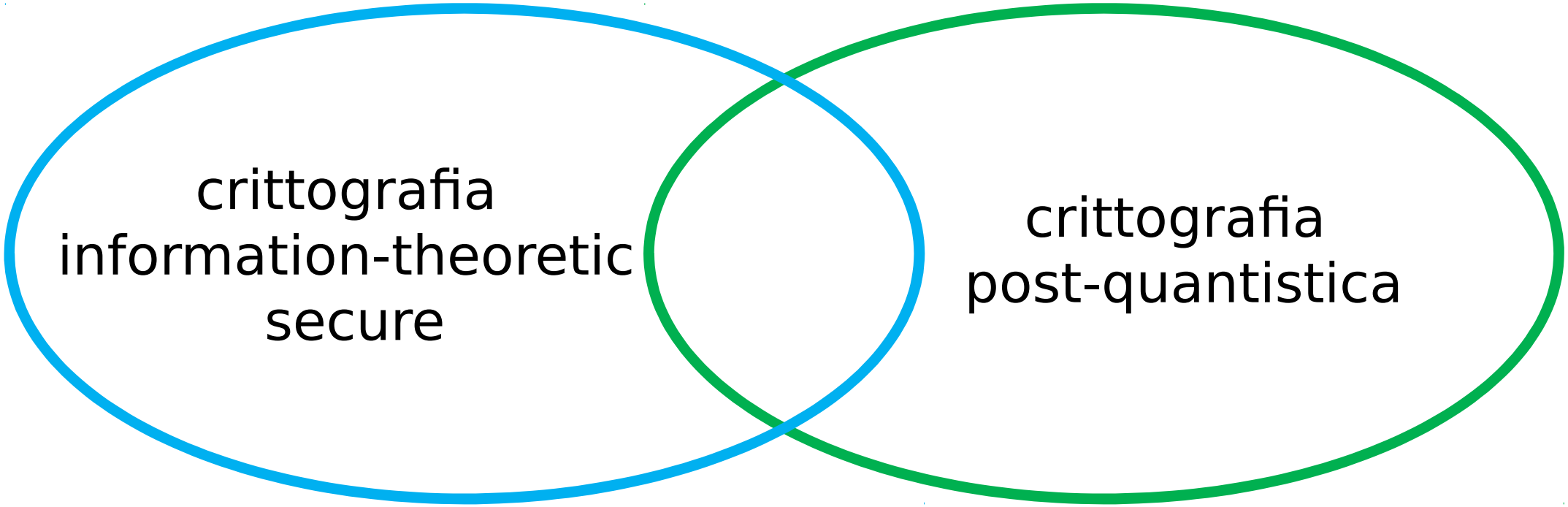
Gli approcchi di oggi non sono sufficienti

Cifratura dei dati

Resilienza a disastri naturali

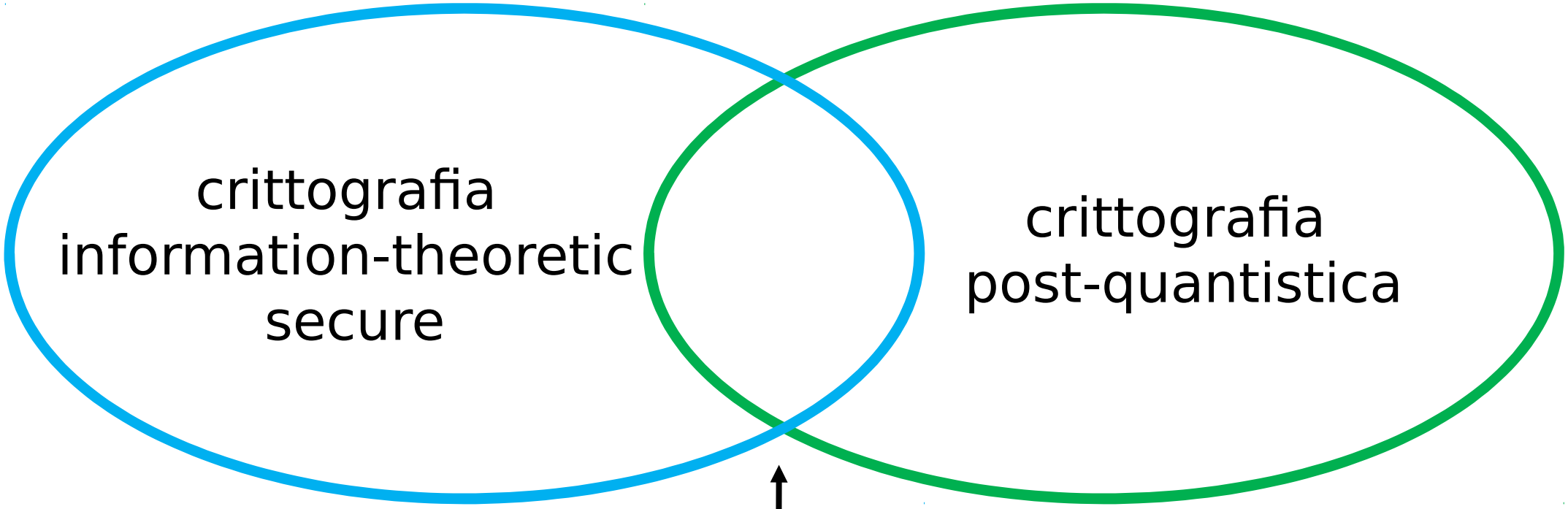
ARCA TRUST

La nostra soluzione



ARCA TRUST

La nostra soluzione

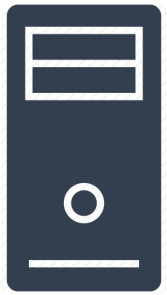


facilita

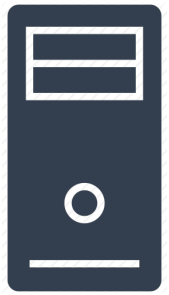
ARCA 1: ambiente di esecuzione sicuro

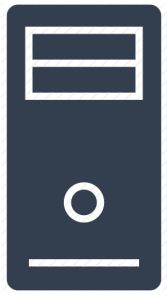
ARCA TRUST

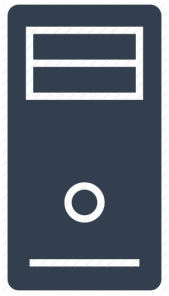
ARCA 1 e i sistemi di stoccaggio distribuito



storage server

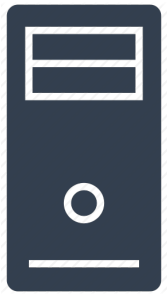




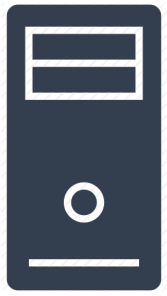


ARCA TRUST

ARCA 1 e i sistemi di stoccaggio distribuito

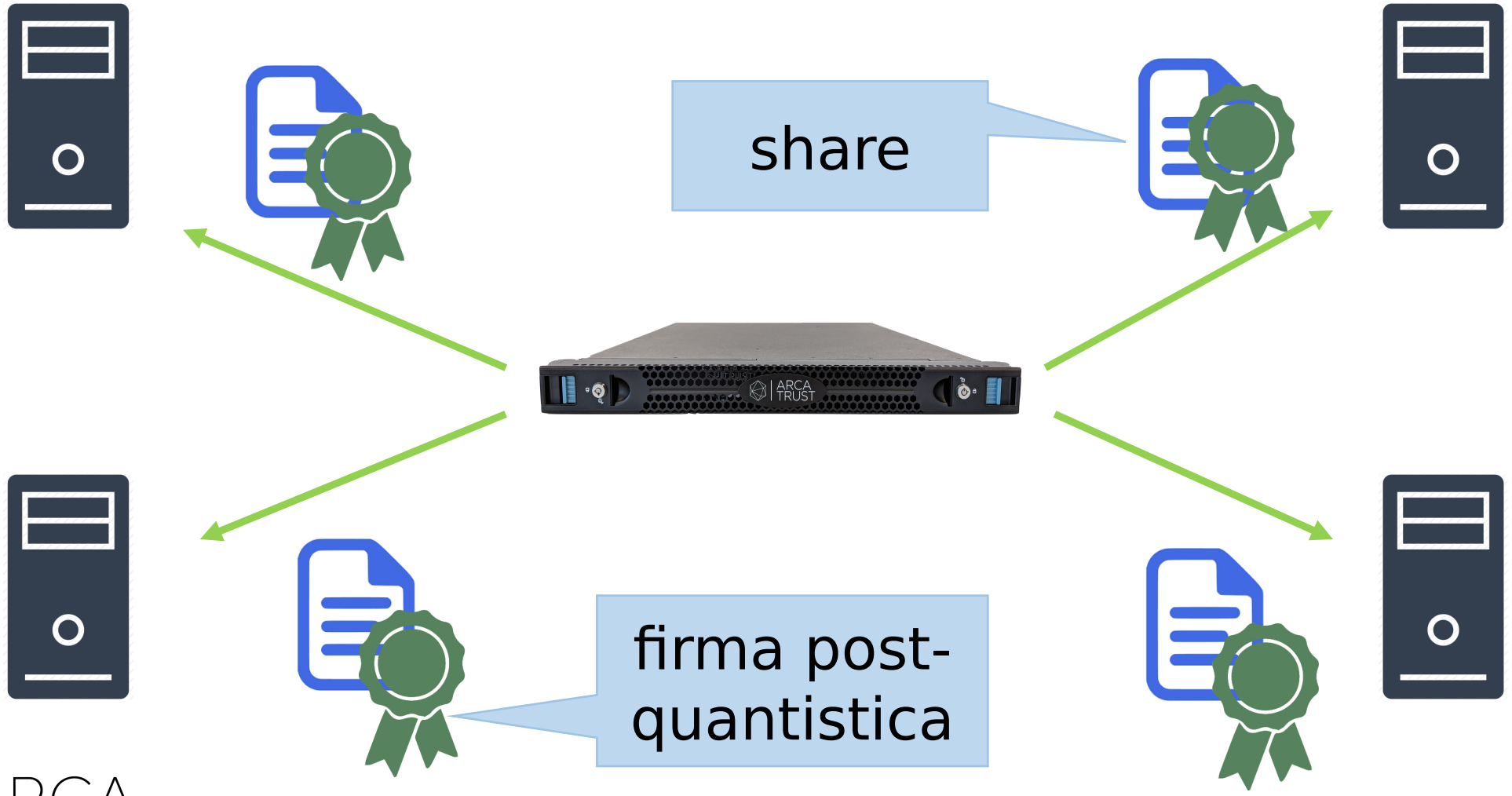


storage server



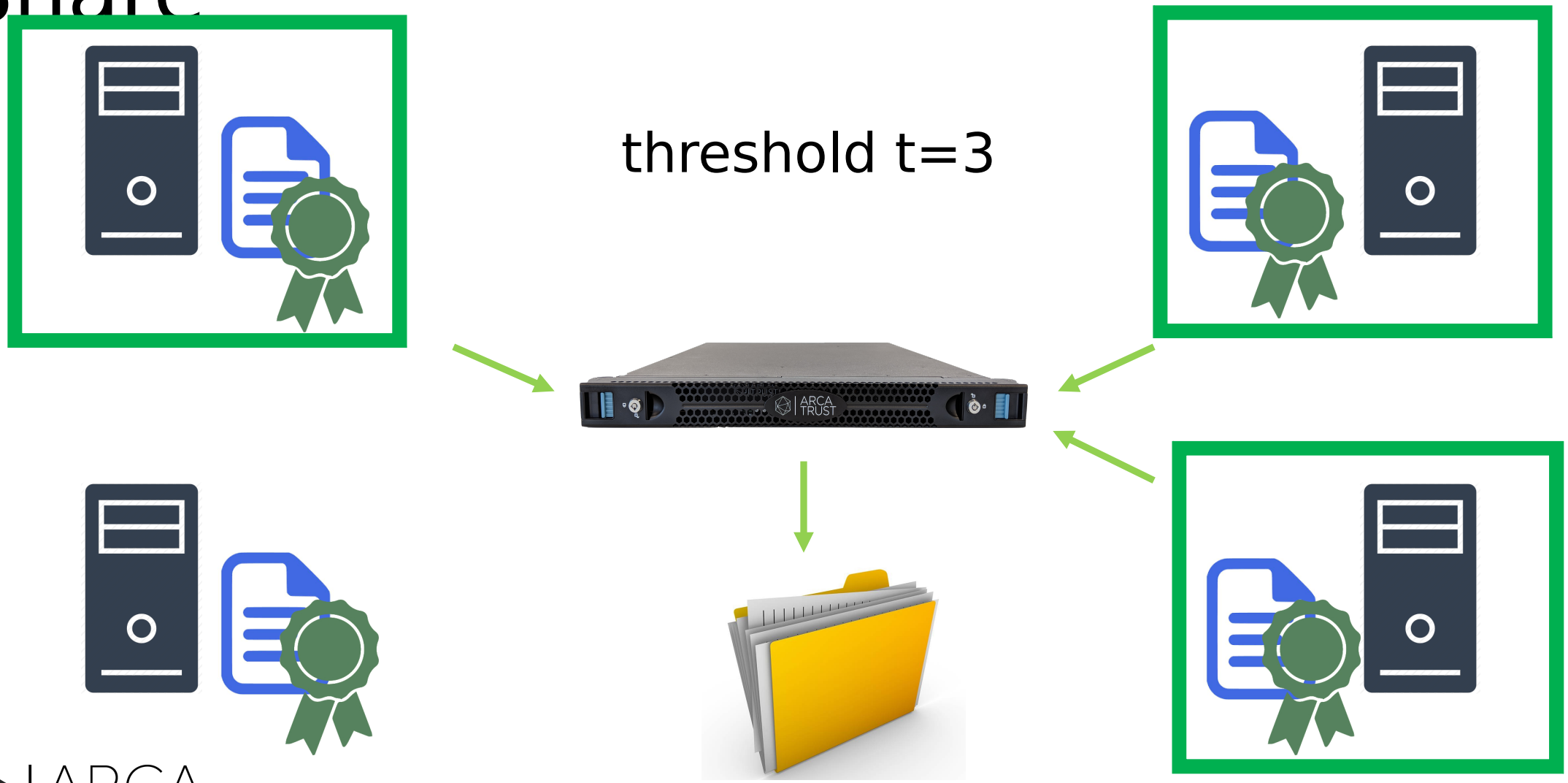
dati

ARCA 1 e i sistemi di stoccaggio distribuito



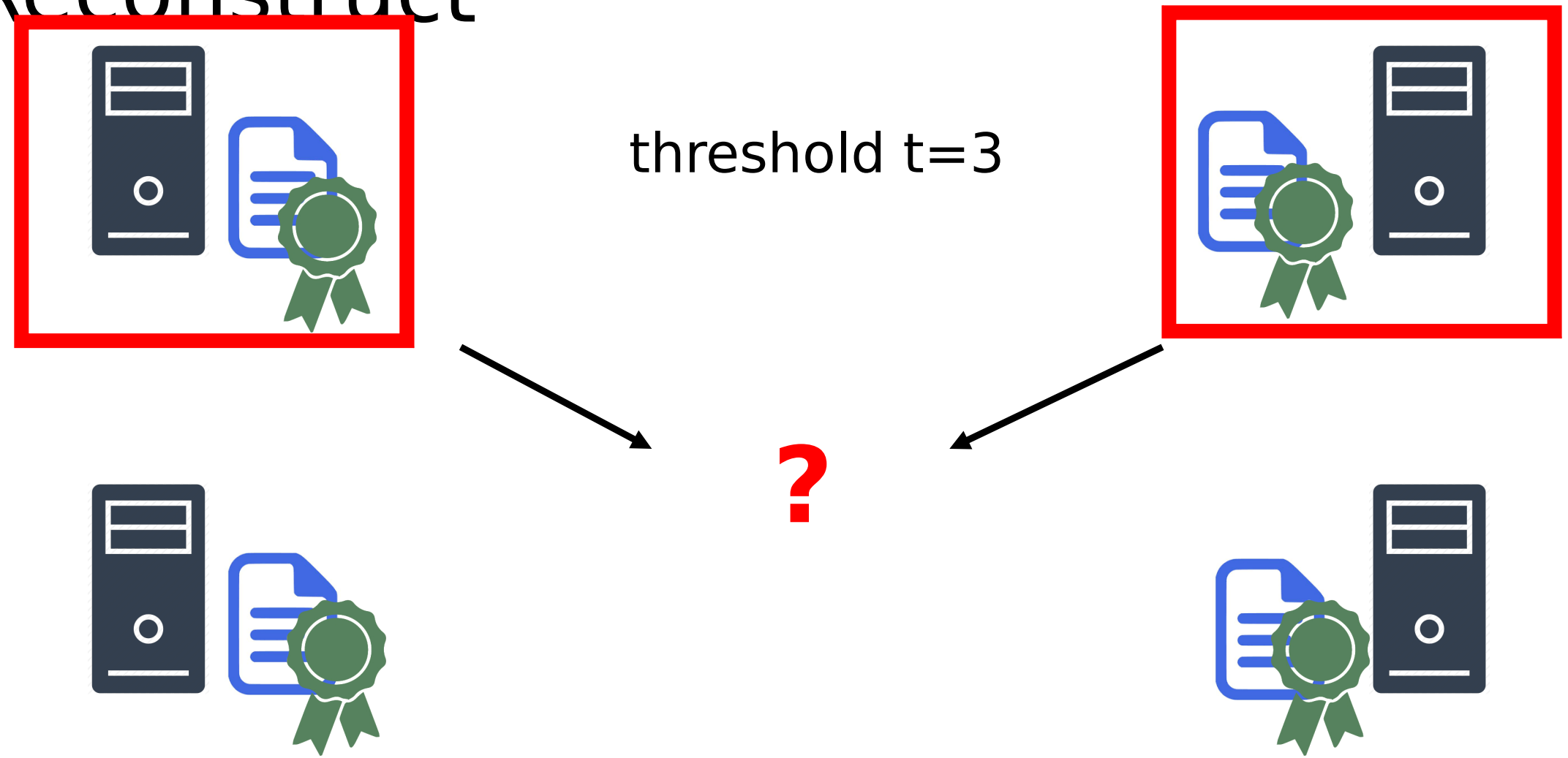
ARCA TRUST

(t,n)-Secret sharing: protocollo Share



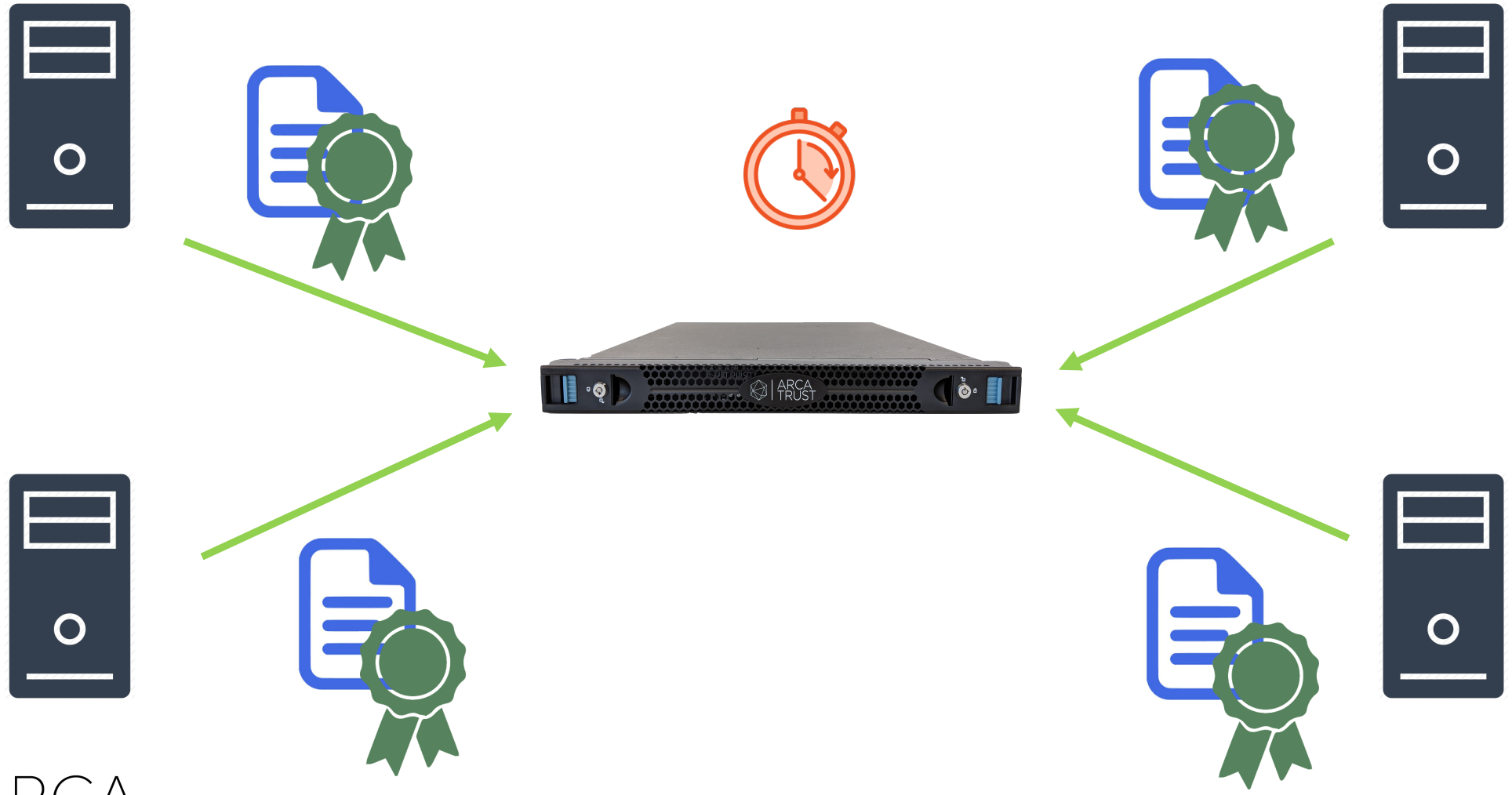
ARCA TRUST

(t,n)-Secret sharing: protocollo Reconstruct



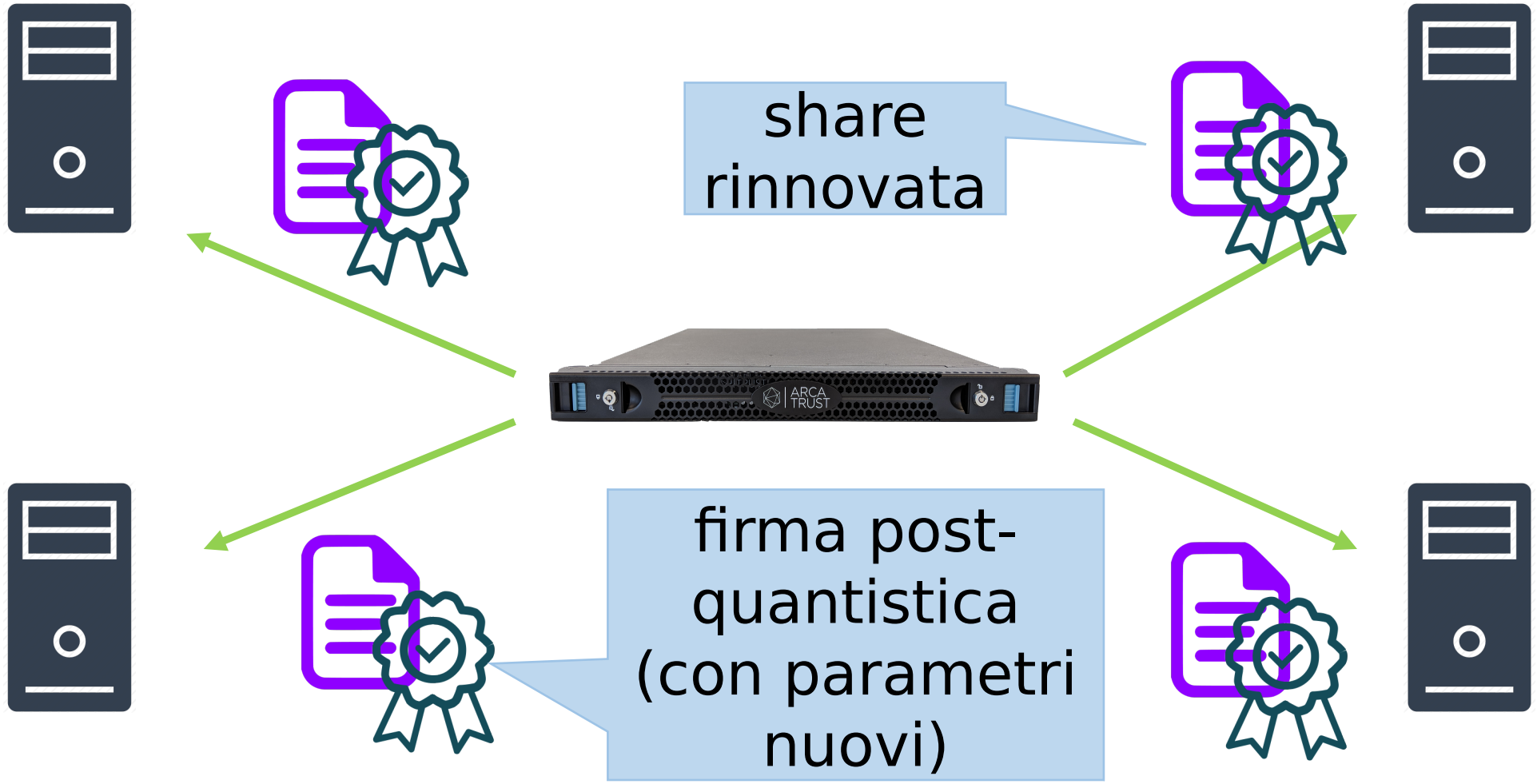
ARCA TRUST

ARCA 1 e il rinnovo delle share periodico



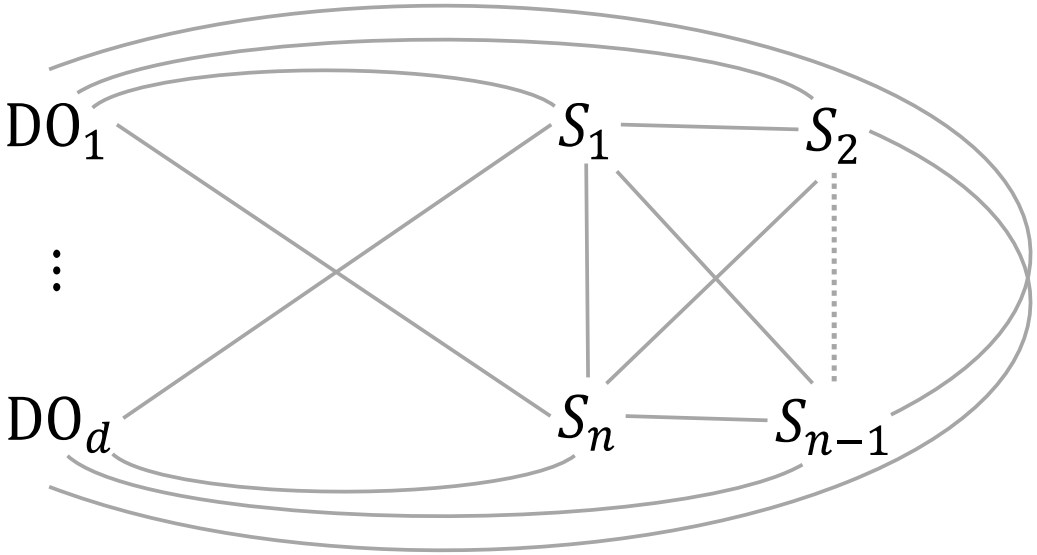
ARCA TRUST

ARCA 1 e il rinnovo delle share periodico

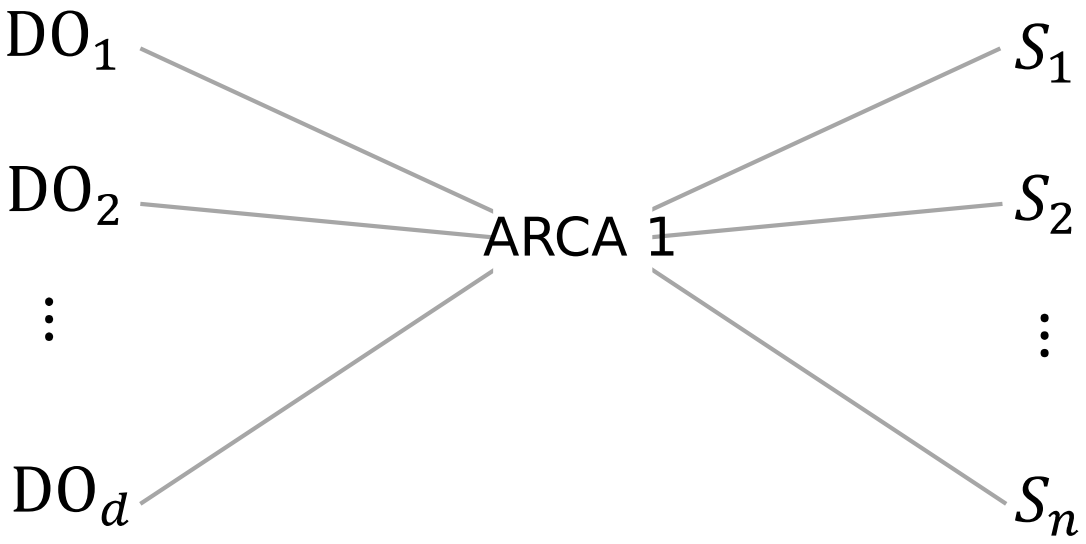


ARCA TRUST

Configurazione dell’infrastruttura



Stato dell’arte



Soluzione con ARCA 1

ARCA TRUST

Miglioramenti rispetto allo stato dell’arte

- Numero di canali sicuri ridotto
- Orologio commune globale non necessario
- Controllo dell’integrità reso efficiente grazie alle firme
- Costruzione di una infrastruttura multi-cloud facilitata

ARCA TRUST

info@arcatrust.io