RIPE NCC
RIPE NETWORK COORDINATION CENTER

RIPE RPKI Update

….and an overview of the
RIPE NCC RPKI infrastructure
and processes

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News

New RPKI Dashboard

https://dashboard.rpki.ripe.net/

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SOC 2 Type I Assurance Report

The RPKI service received a SOC 2 (ISAE 3000) Type I assurance report issued by EY

SOC 2 Trust Services Principles
- Security
- Availability
- Confidentiality
- Processing Integrity

design and implementation →

Controls
- Policies
- Processes
- Infrastructure

↓ evidence

Type I: 2024　　　Type II: 2025 (planned)
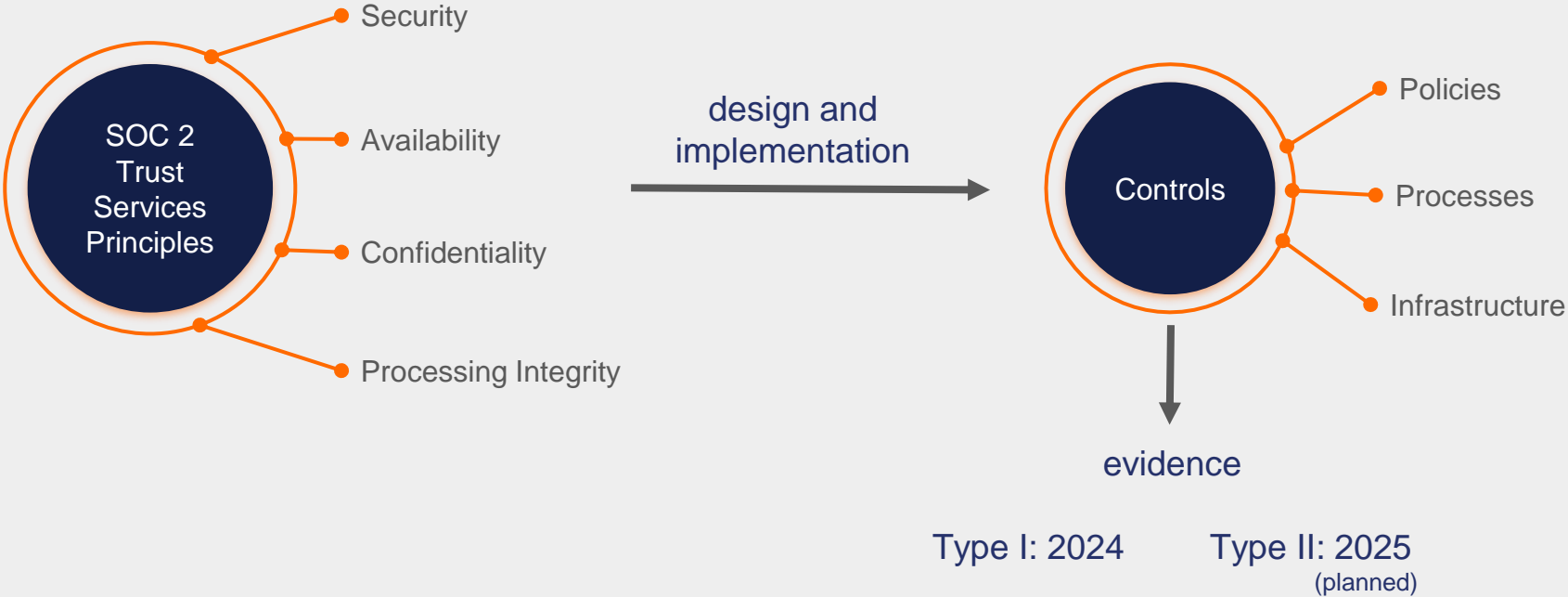
Infrastructure and Processes

Trust Anchor to ROAs
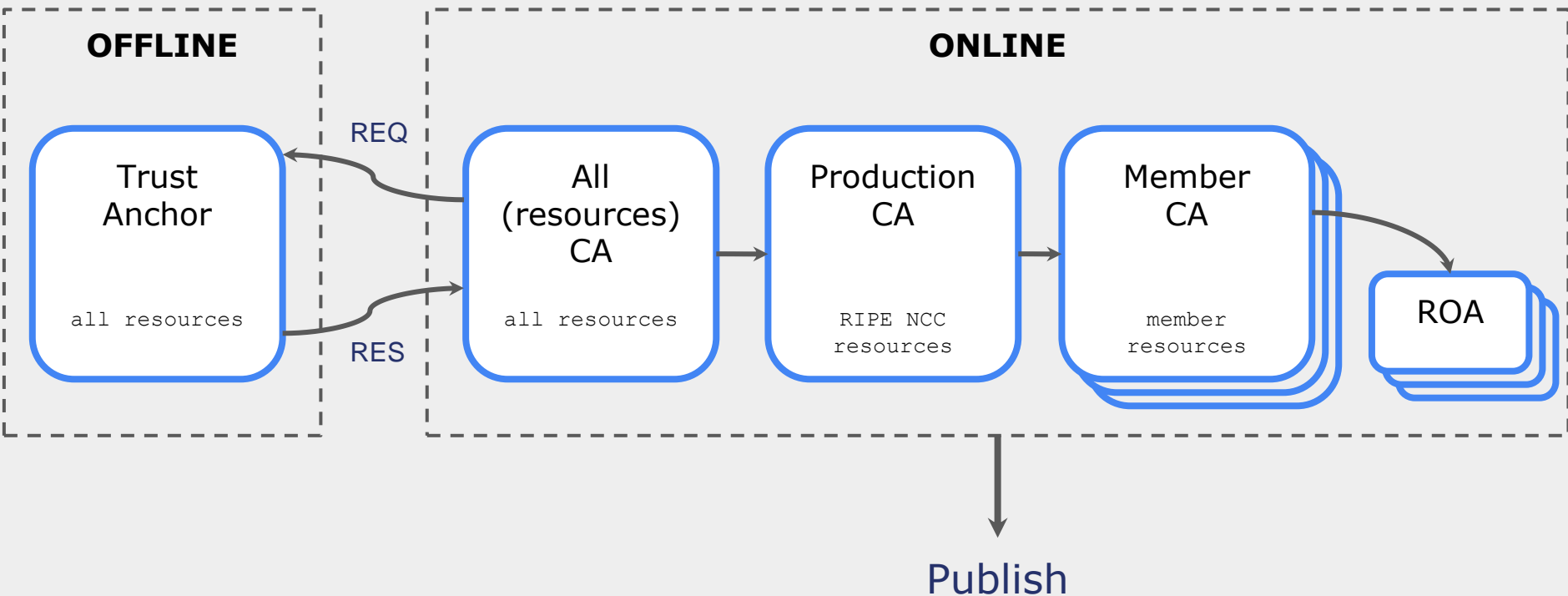
Trust Anchor Signing Process

Online CAs - Availability

CORE Primary
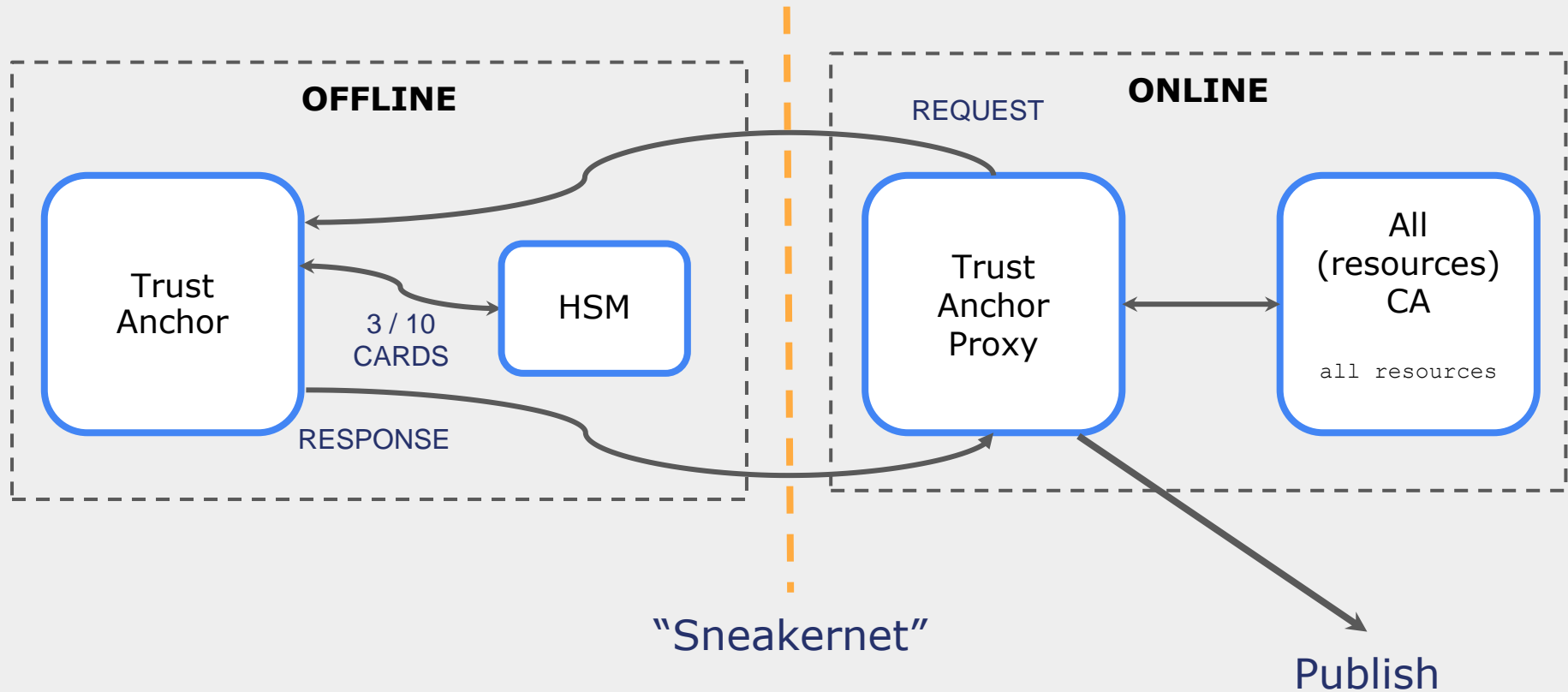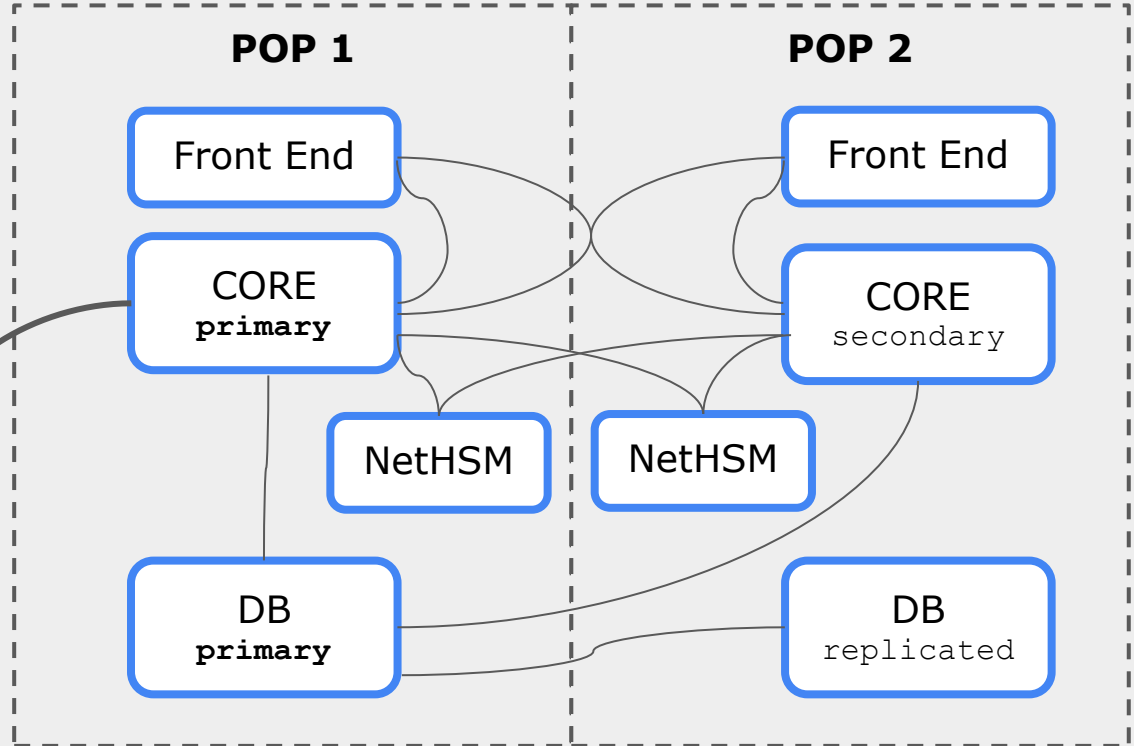- Background jobs
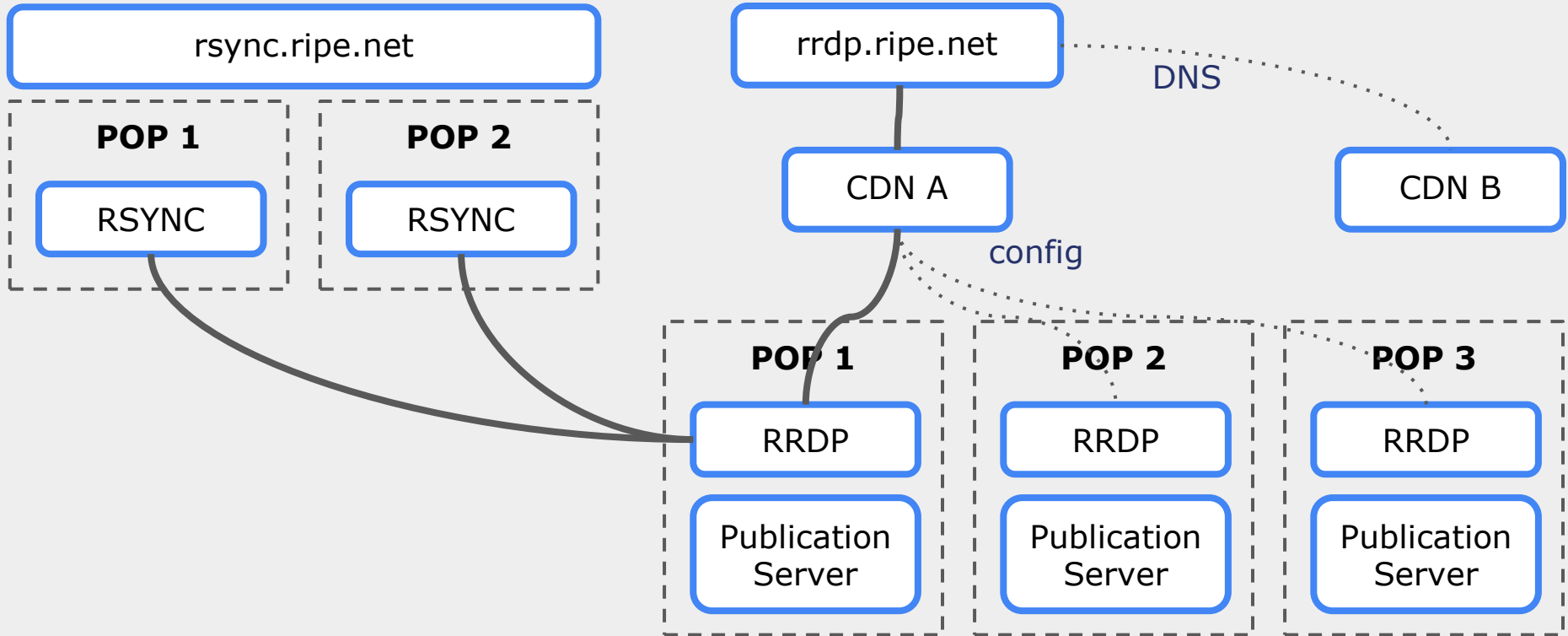- Publication

Net HSM
- Good random
- No private keys in DB

Database
- Write Ahead Logs /10 mins
- Manual failover (for now)

Online CAs - Availability

What's Next

Future Work

- **Usability Improvements**
  - ROA History
  - Faster BGP Information

- **RPKI Object Types**
  - ASPA
  - BGPSec
  - RSC under evaluation

Questions & Comments ?

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