



RIPE NCC
RIPE NETWORK COORDINATION CENTER

RIPE RPKI Update

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

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What's Next



News

New RPKI Dashboard





Overview

Reseaux IP Europeens Network
nl.ripecc-ts

BGP Announcements and Route Origin Authorizations (ROAs)

🔄 Last BGP import: 5 hours and 23 minutes ago

BGP Announcements: 2 🔴 Invalid: 0 🔴 Unknown: 0 ✅ Valid: 2

ROAs: 2 🔴 Causing invalid announcements: 0 ✅ Ok: 2

Alert Configuration

Configure alert recipients and notification preferences.

🟢 Alerts set up for 1 address





History

Time (UTC)	User	Summary
10/28/2024, 15:11:24	swe-rpki+smoketests@ripe.net	Updated ROA configuration. Additions: none. Deletions: [asn=AS0, prefix=2001:67c:64:fff:0:192:d3a8:1f56/128, maximumLength=128].

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

New RPKI Dashboard



[Go to overview](#)



BGP Announcements and ROAs



Reseaux IP Europeens Network
nl.ripecc-ts

BGP Announcements: 2 ROAs: 2 Pending Changes: 0

Show status: Invalid Unknown Valid

Search for ASN/prefix

Origin AS 	Prefix 	Status
<input type="checkbox"/> AS2121	193.0.24.0/21	<input checked="" type="checkbox"/> Valid
<input type="checkbox"/> AS2121	2001:67c:64::/48	<input checked="" type="checkbox"/> Valid

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

New RPKI Dashboard



Review and Apply

Staged ROAs

Origin AS	Prefix	Max Length
AS2121	193.0.24.0/21	21

Affected Announcements

Origin AS	Prefix	Current Status	Future Status
AS2121	193.0.24.0/21	<input checked="" type="checkbox"/> Valid	→ Unknown

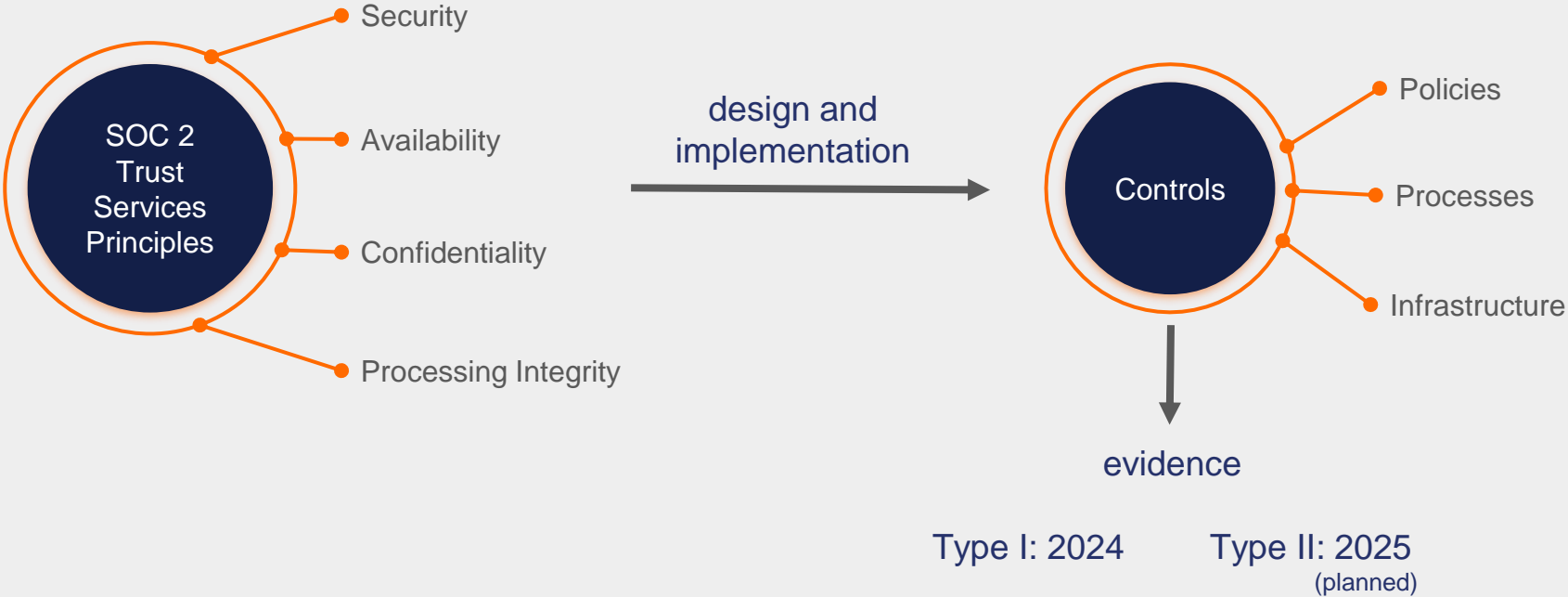
Apply now **Add to pending changes**

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

SOC 2 Type I Assurance Report



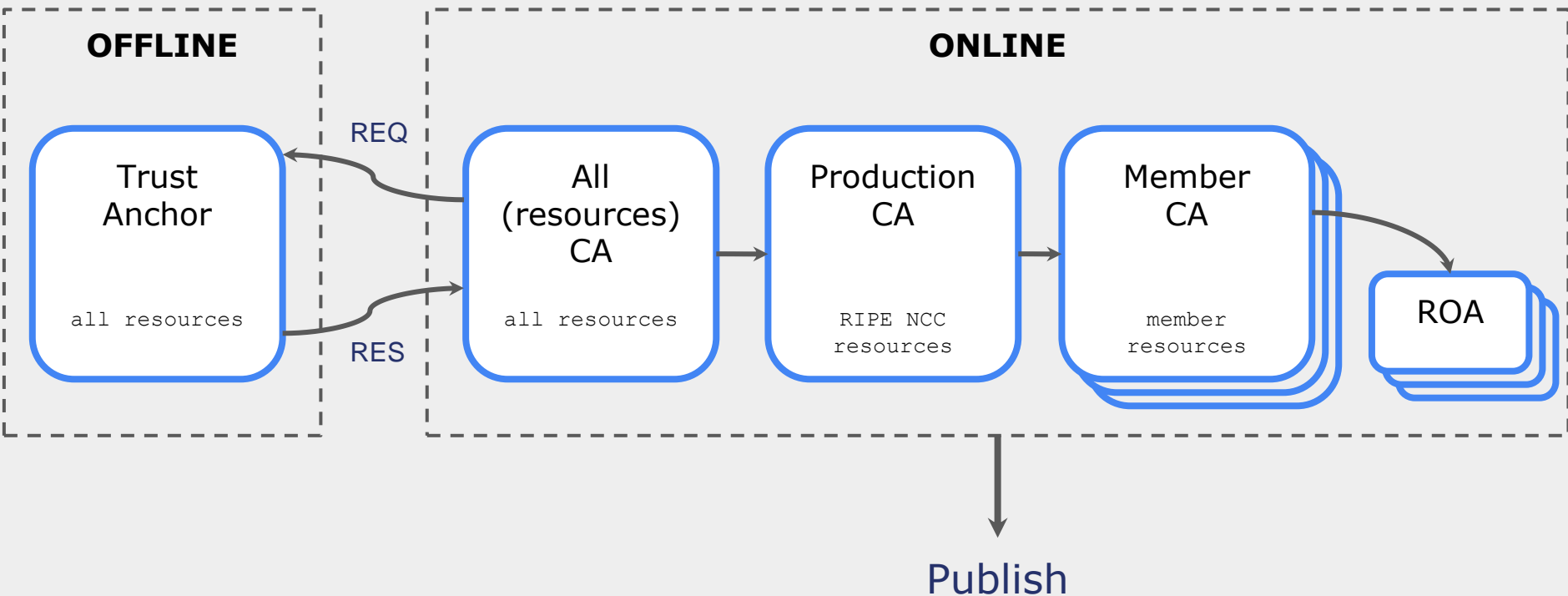
The RPKI service received a SOC 2 (ISAE 3000) Type I assurance report issued by EY



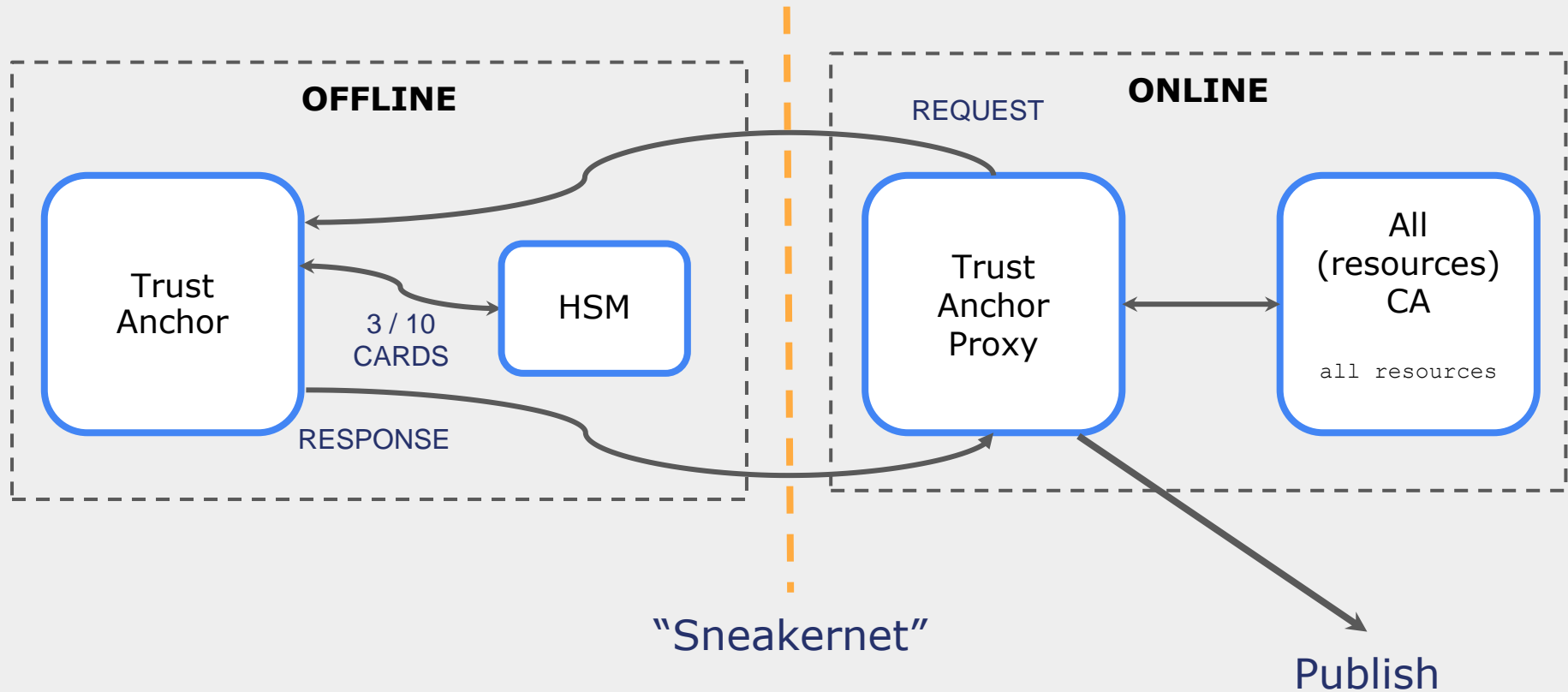


Infrastructure and Processes

Trust Anchor to ROAs



Trust Anchor Signing Process



Online CAs - Availability



CORE Primary

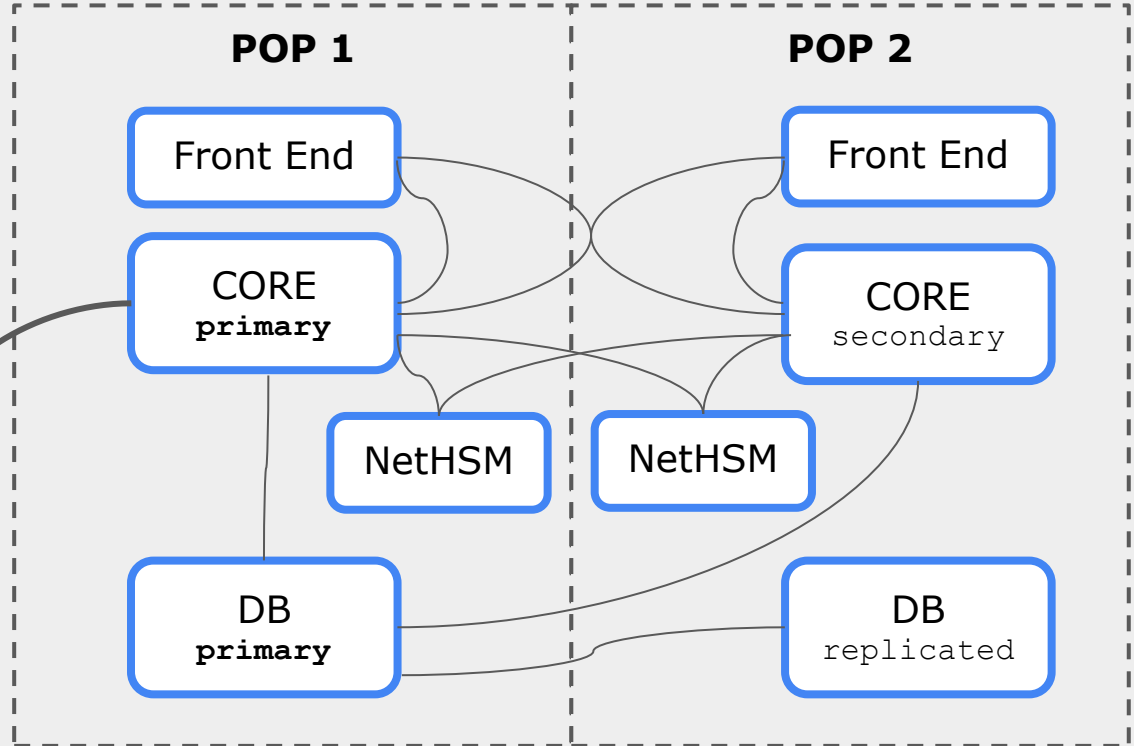
- Background jobs
- Publication

Net HSM

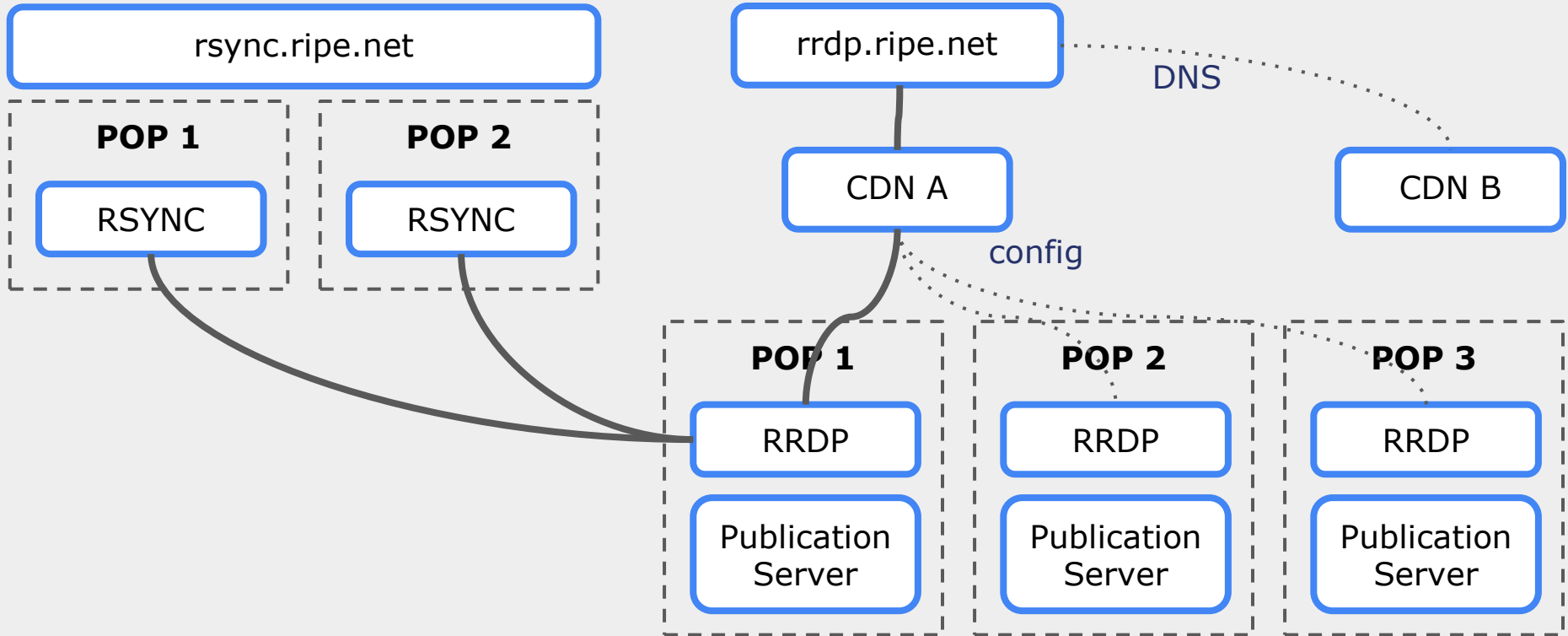
- Good random
- No private keys in DB

Database

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



Online CAs - Availability





What's Next



- **Usability Improvements**

- ROA History
- Faster BGP Information

- **RPKI Object Types**

- ASPA
- BGPsec
- RSC under evaluation



Questions & Comments



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