

Current CA service

about The RIPE NCC | Resource Management | Member Support | Training | Contact

Services > LIR Portal > Resource Certification - ROA Specifications

News | My Certified Resources | My ROA Specifications | History | RIPE NCC ROA Repository

ROA Specifications

Route Origination Authorisation (ROA) objects authorise Autonomous Systems to route your IP address resources. On this page you can specify which Autonomous Systems you authorise to route your IP address resources. To publish the appropriate ROA objects.

| Name | AS number | Prefixes | Not valid before | Not valid after | ROA object |
|--------------|-----------|-------------------|------------------|-----------------|-----------------------------------------------------------------------|
| invalid-ipv4 | AS196615 | 93.175.147.0/24 | | | View > Edit Delete |
| invalid-ipv6 | AS196615 | 2001:7fb:d03::/48 | | | View > Edit Delete |
| valid-ipv4 | AS12654 | 93.175.146.0/24 | | | View > Edit Delete |
| valid-ipv6 | AS12654 | 2001:7fb:d02::/48 | | | View > Edit Delete |

[Add ROA Specification >](#)

- ➔ Hosted member CAs in portal
- ➔ Private keys in HSM
- ➔ Automated

- ➔ Java, BouncyCastle
- ➔ Spring, Hibernate
- ➔ Jboss

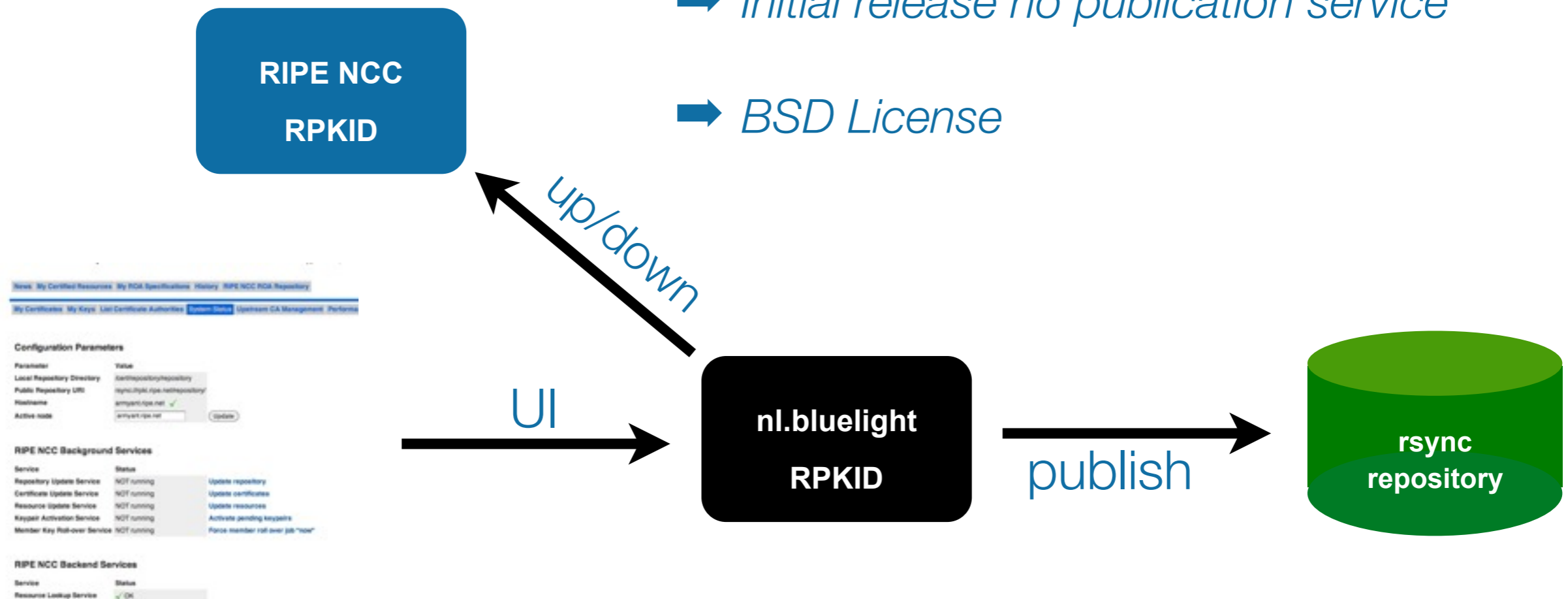
- ➔ 397 CAs activated
- ➔ 261 ROAs created



Non-hosted -- Phase 1 pilot

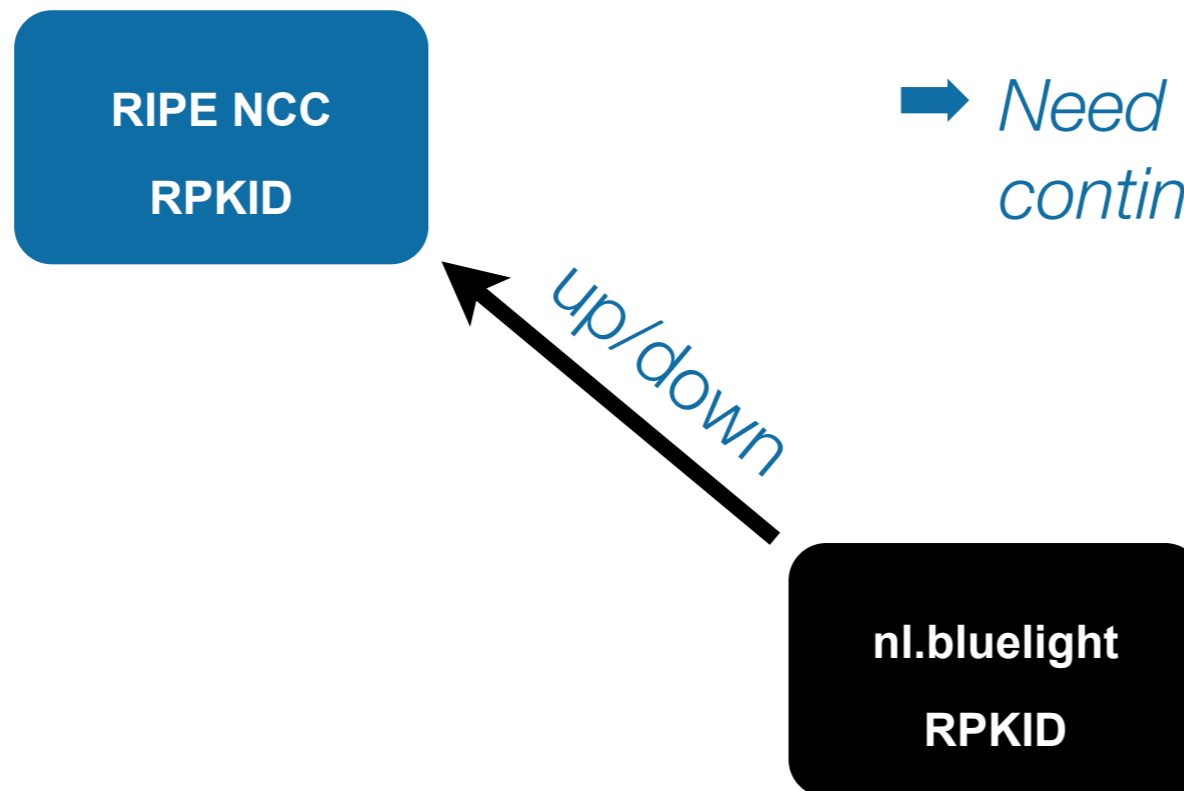
- ➔ *Helps implementation of Up-Down*
- ➔ *Use embedded web server and db*
- ➔ *No dependencies apart from java and rsync*
- ➔ *Software keys only (for now)*
- ➔ *Initial release no publication service*

- ➔ *BSD License*

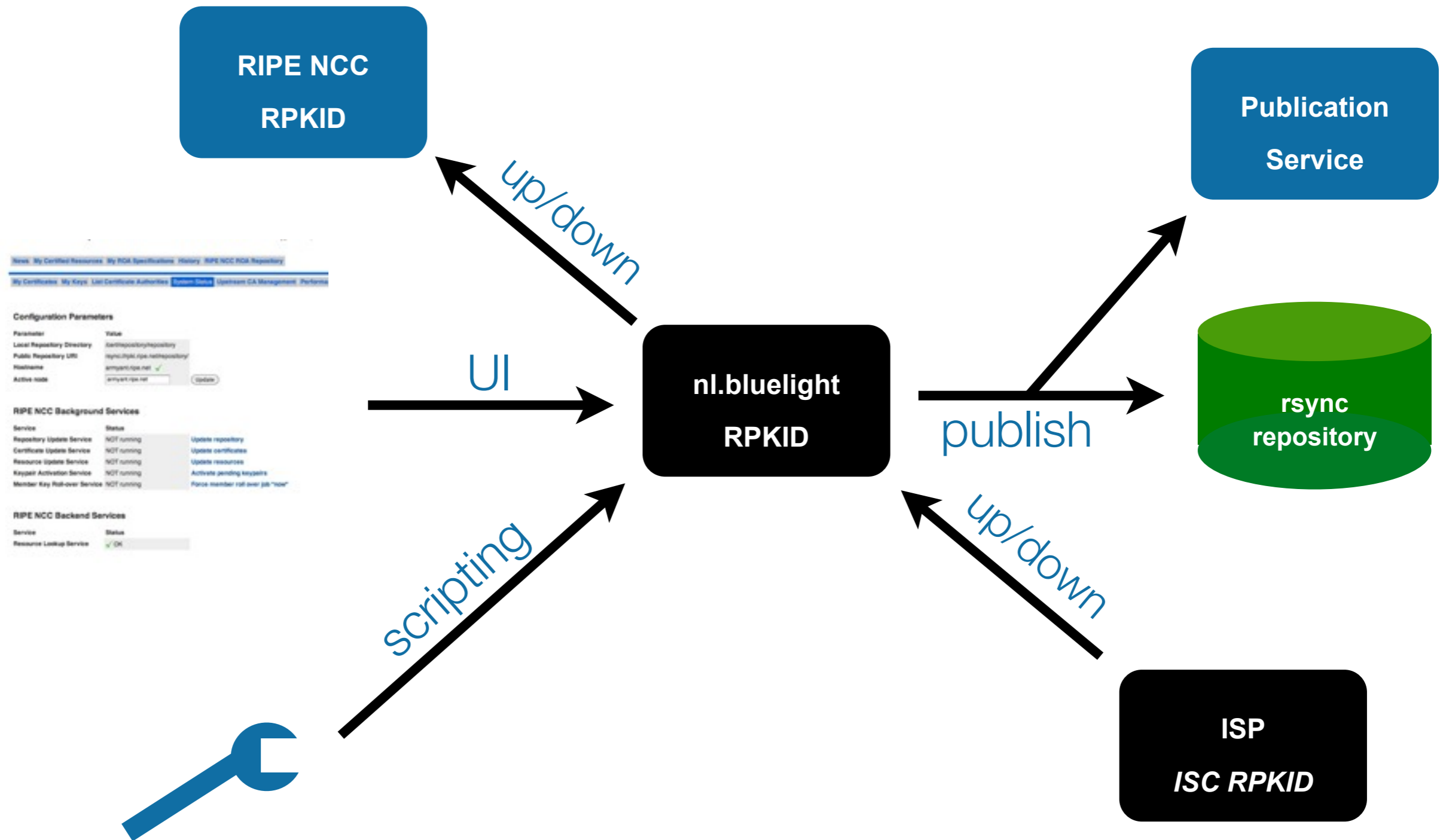


Non-hosted -- Interop

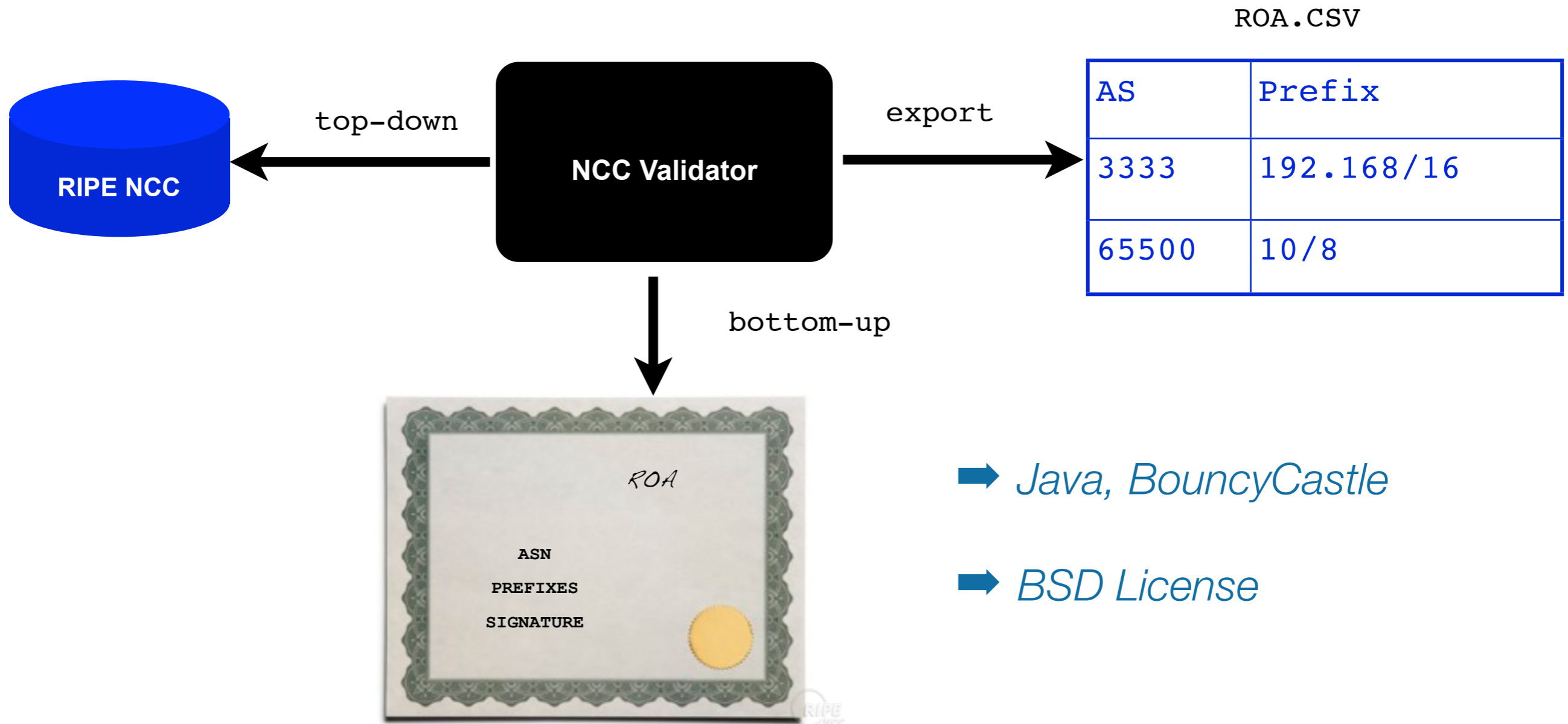
- ➔ *Test/fix interoperability with other implementations*
- ➔ *Informal specification: ISC rpkid*
- ➔ *Need for BPKI document to ensure continued interoperability?*



Non-hosted CA -- Vision...



Validation -- Current *ad hoc*



Validator -- Vision....

