

Resource Certification Status Update

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“Internet routing is open,
non hierarchical and free”

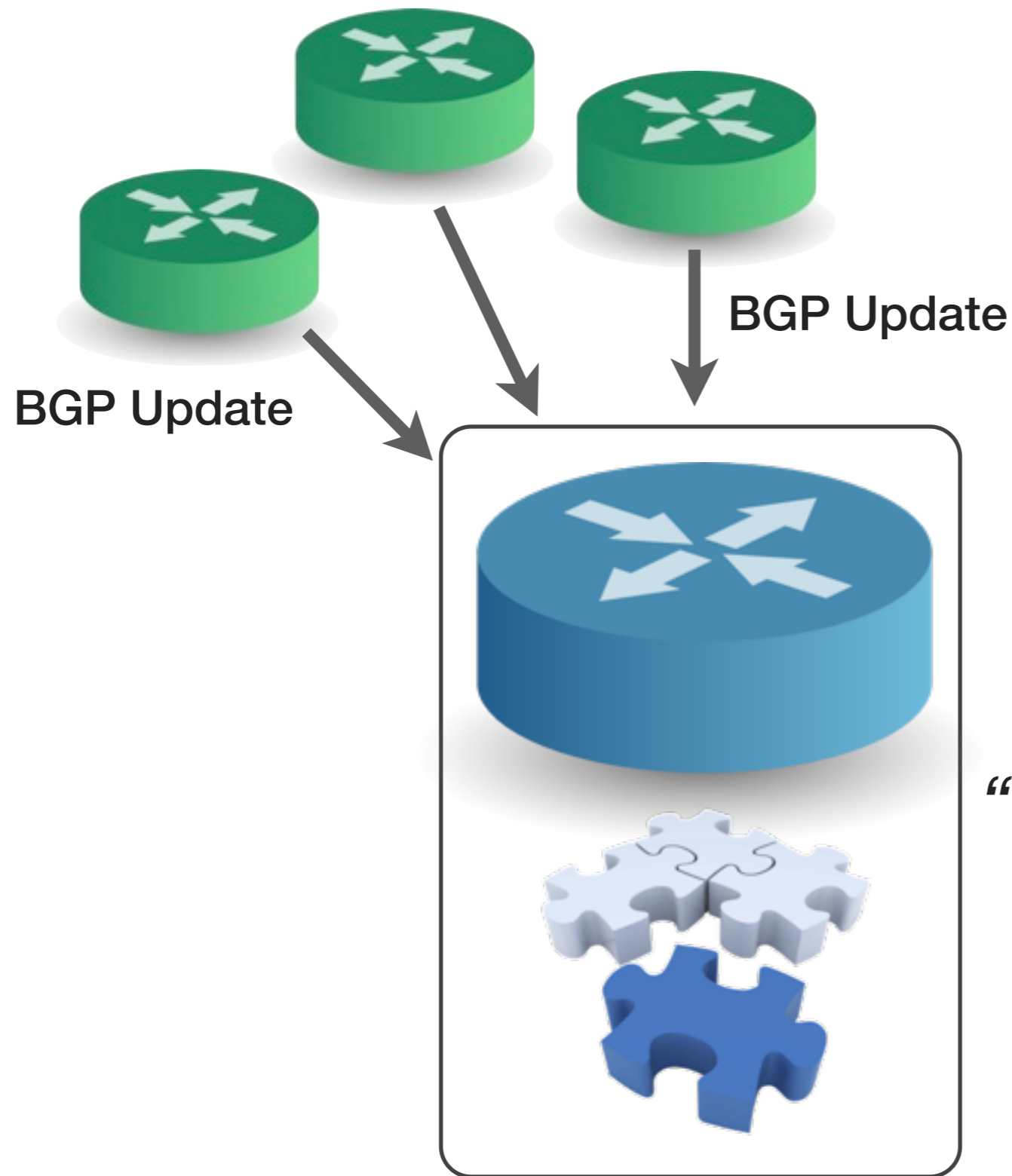
“Gossip and hearsay”

Added Value of Resource Certification

- A system to verify BGP information
 - Automatic
 - Near real time
 - Easy to Integrate in existing processes
- Tied to data in the registry system
 - Regional Internet Registries issue certificates

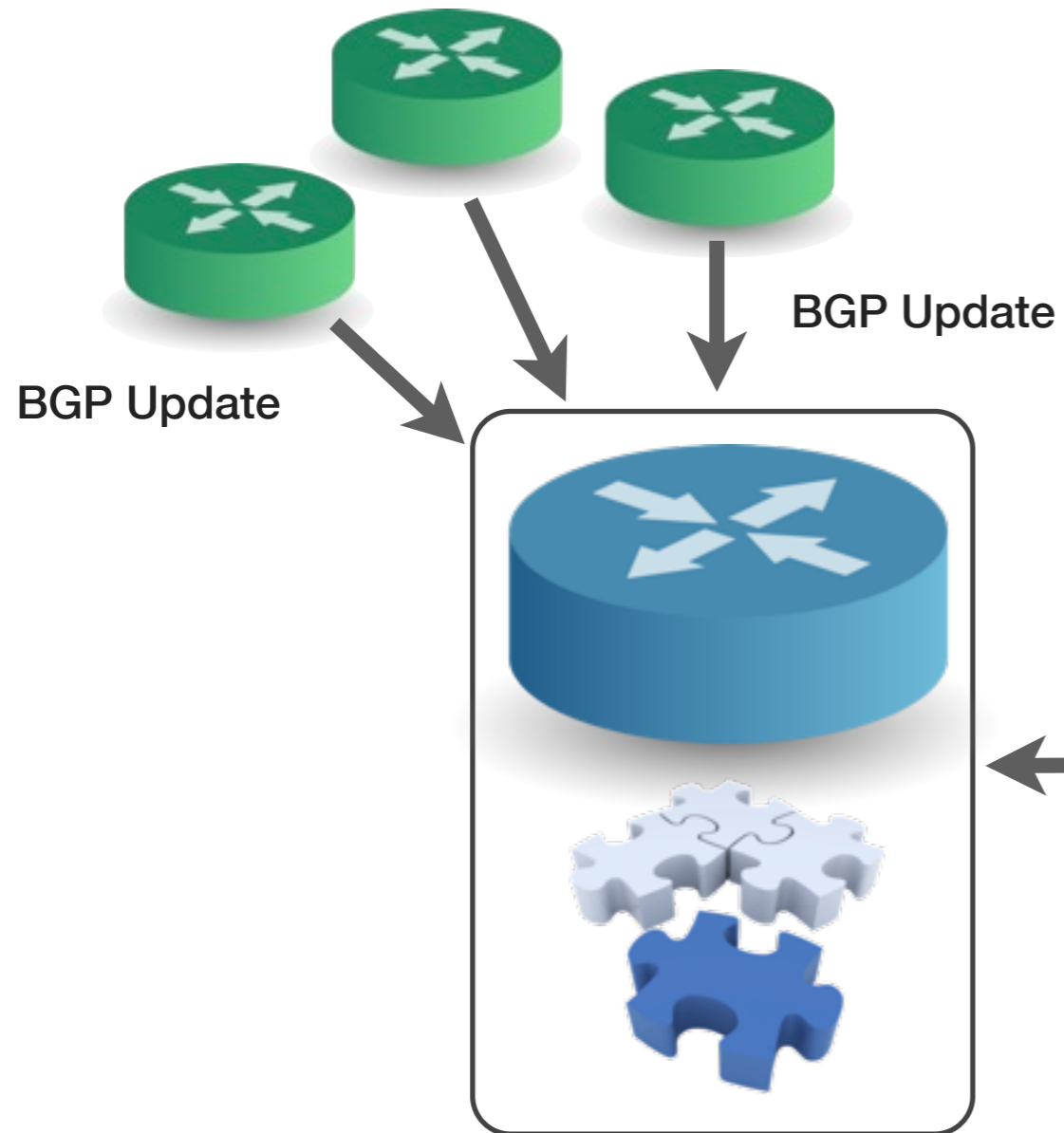
Trust

“Hi, I am AS X and these are my addresses”

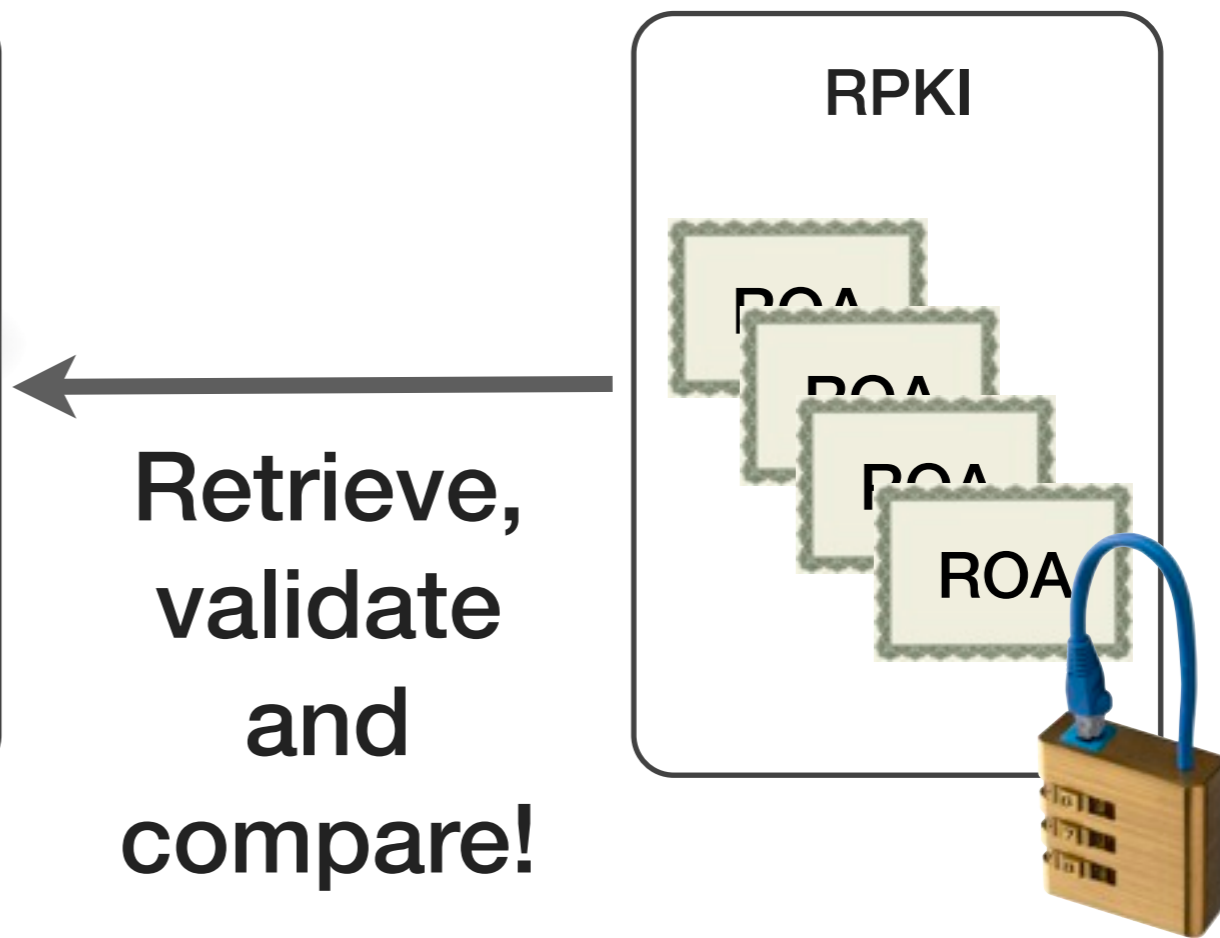


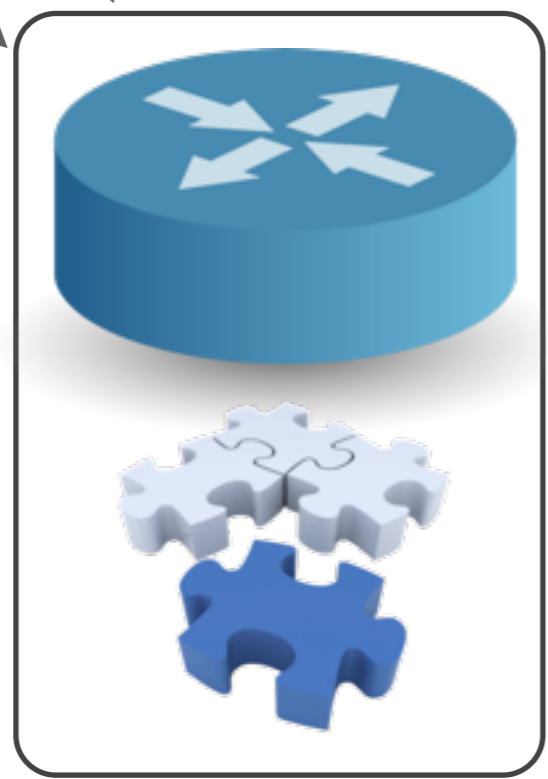
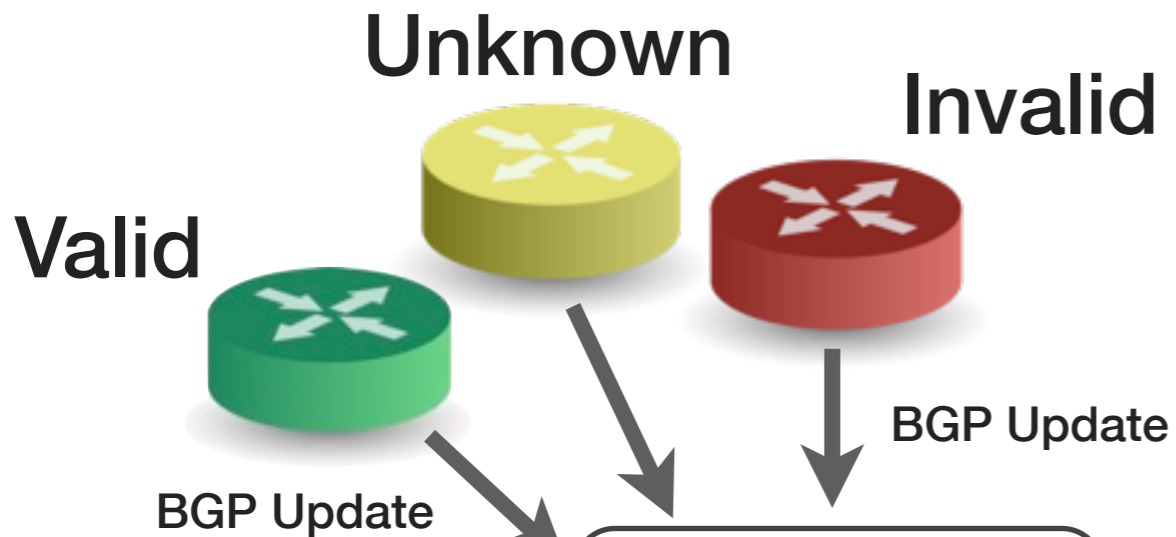
“Can I trust them?”

“Hi, I am AS X and these are my addresses”

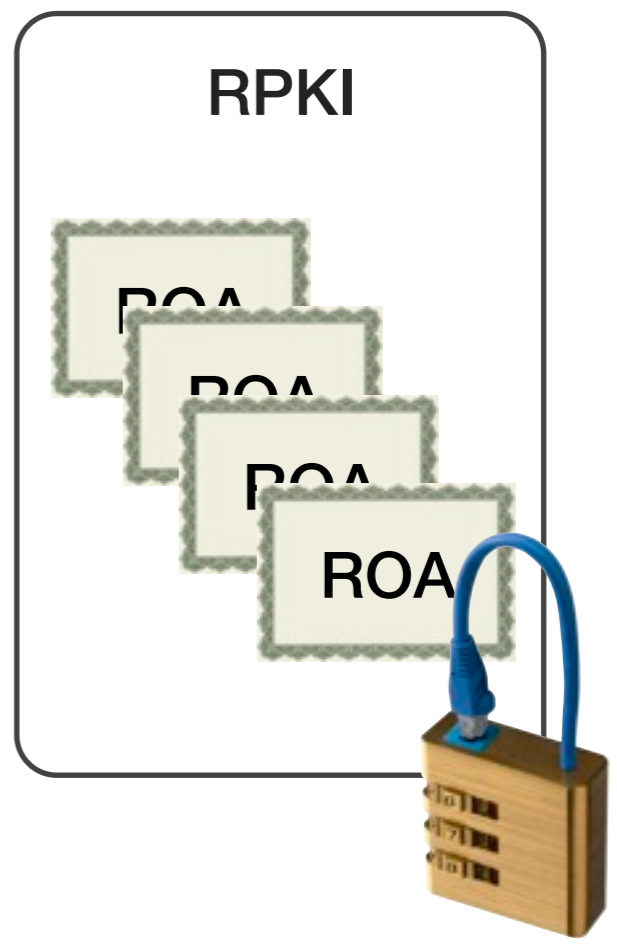


*“This prefix will be announced by AS X”
(signed the holder)*





*"This prefix will be announced by AS X"
(signed the holder)*



**Retrieve,
validate
and
compare!**

Status Update



RPKI News

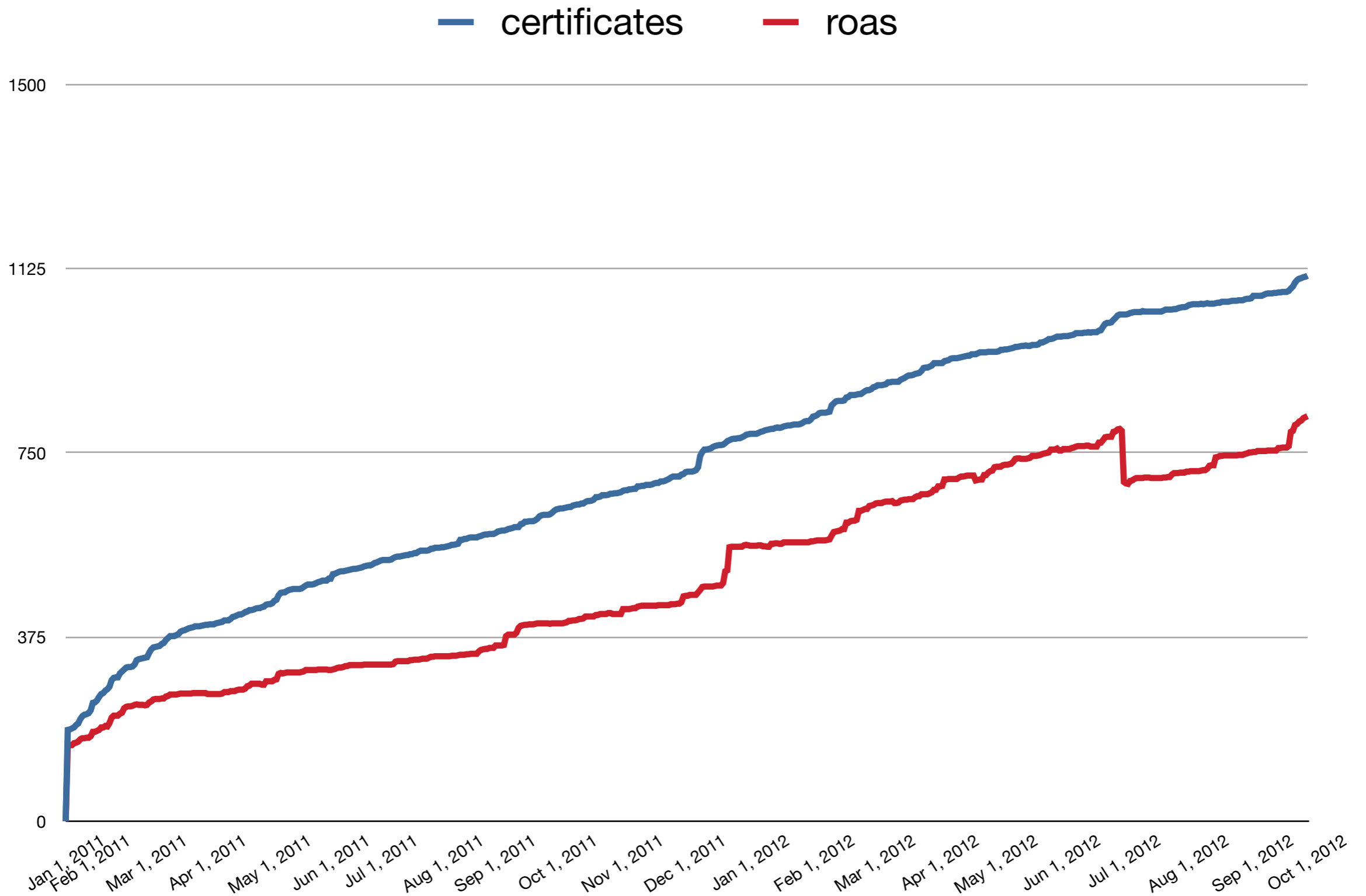
- ARIN released production system!
- RIPE NCC Validator version 2.5
- JUNOS 12.2 added support for RPKI

New Lirportal Interface

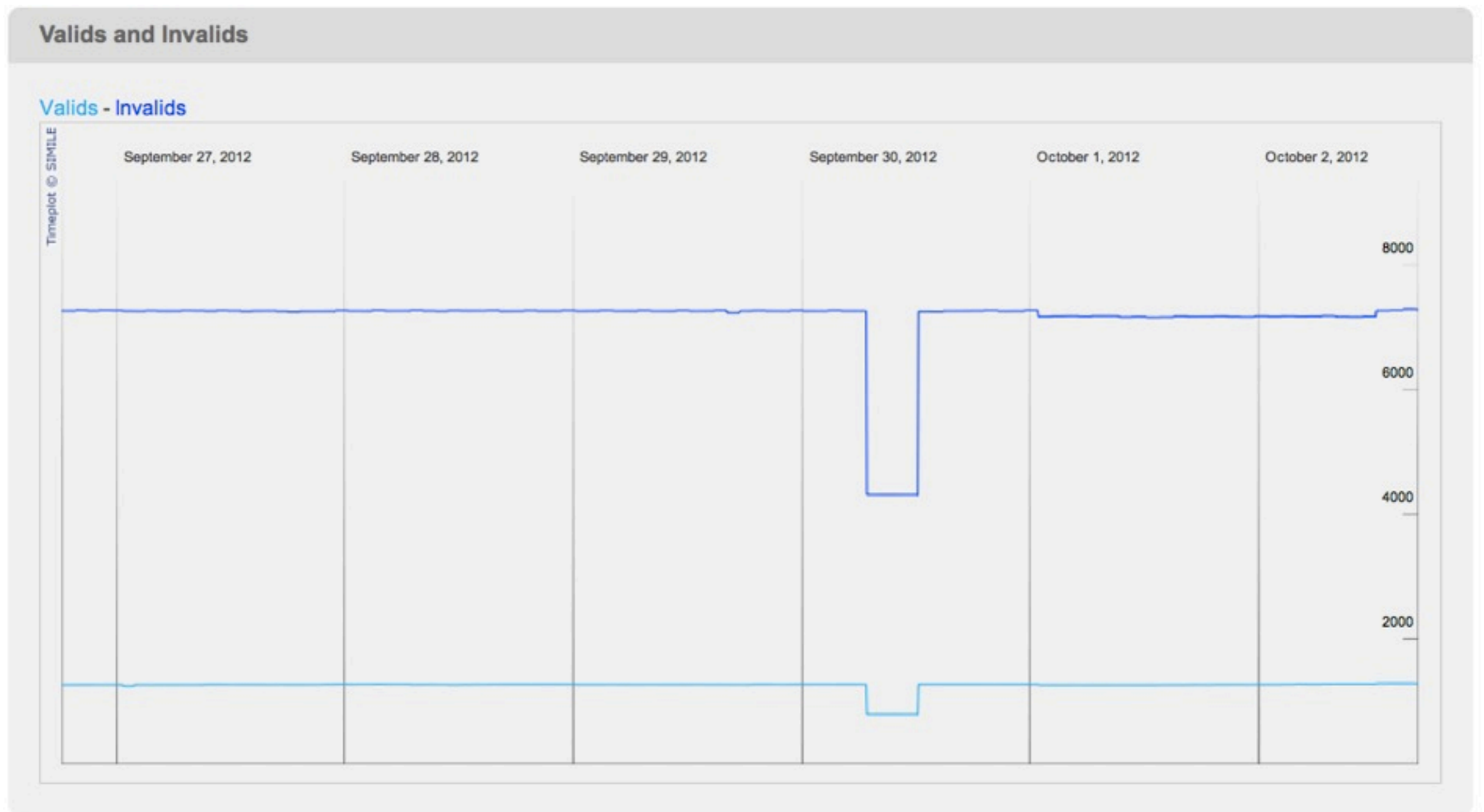
The screenshot displays the new Lirportal interface with the following components:

- My LIR** menu: General Information, Billing Details, LIR Contacts, My Location, Communication Preferences, Manage Users, Add Users.
- My Resources** menu: IP Analyser (beta), IPv4, IPv6, ASN, Request Forms, Object Editors.
- Resource Certification** menu: Dashboard, ROA Configuration, History.
- BGP Route Validity** section: A message stating "We have found no BGP announcements for your certified prefixes."
- ROA Configuration** section: A table with columns "AS number" and "Prefix". It lists two entries for AS2121: 193.0.24.0/21 and 2001:67c:64::/48. A "Configure" button is located below the table.
- Alerts** section: A message stating "We have found no BGP announcements for your certified prefixes. You are currently not subscribed to ROA alerts." with a "Configure" button.
- Certified Resources** section: A list of resources: 193.0.24.0/21 and 2001:67c:64::/48.
- RIPE NCC RPKI Validator** section: A message encouraging users to download the RPKI Validator toolset to use RPKI data in their BGP decision making workflow, with a "Learn more..." link.
- Step 1/6** tooltip: A tooltip box explaining that the overview shows all eligible address space on the resource certificate and that new resources are automatically updated. It includes a "Learn more..." link, "Next »" button, and "End tour" button.

Number of Published Records



IPv4 Routing Table



Source: Eurotransit

Summary

- Over 1100 members have a certificate
- Almost 900 Route Origination Authorisations
 - Cover 10% of the address space
 - Validate almost 7500 prefixes
- We need more!

Added Value

- More ROAs make the system more useful
- Make your BGP decisions more reliable
 - Download and install a validator
 - Verify BGP updates against the RPKI
- Make routing more secure and stable

Questions?

www.ripe.net/certification

twitter: #RPKI

