

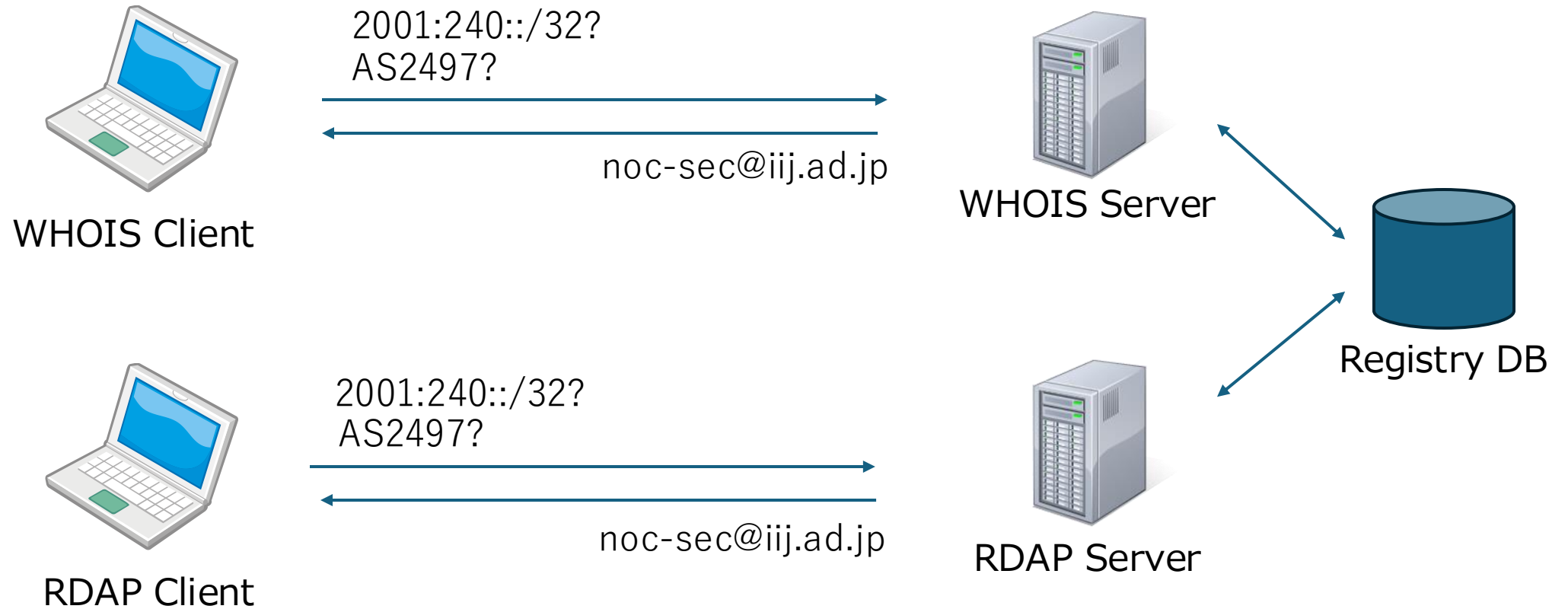
RDAP coordination

Matsuzaki 'maz' Yoshinobu
<maz@ij.ad.jp>

Problem Statement

- In APNIC Regions, it is difficult to find out the contact of number resource holders in the number resources managed by NIRs
- This can be a barrier to automation and improved network operation engineering, so a solution with a long-term perspective is needed

WHOIS/RDAP



RDAP Challenges - Unification

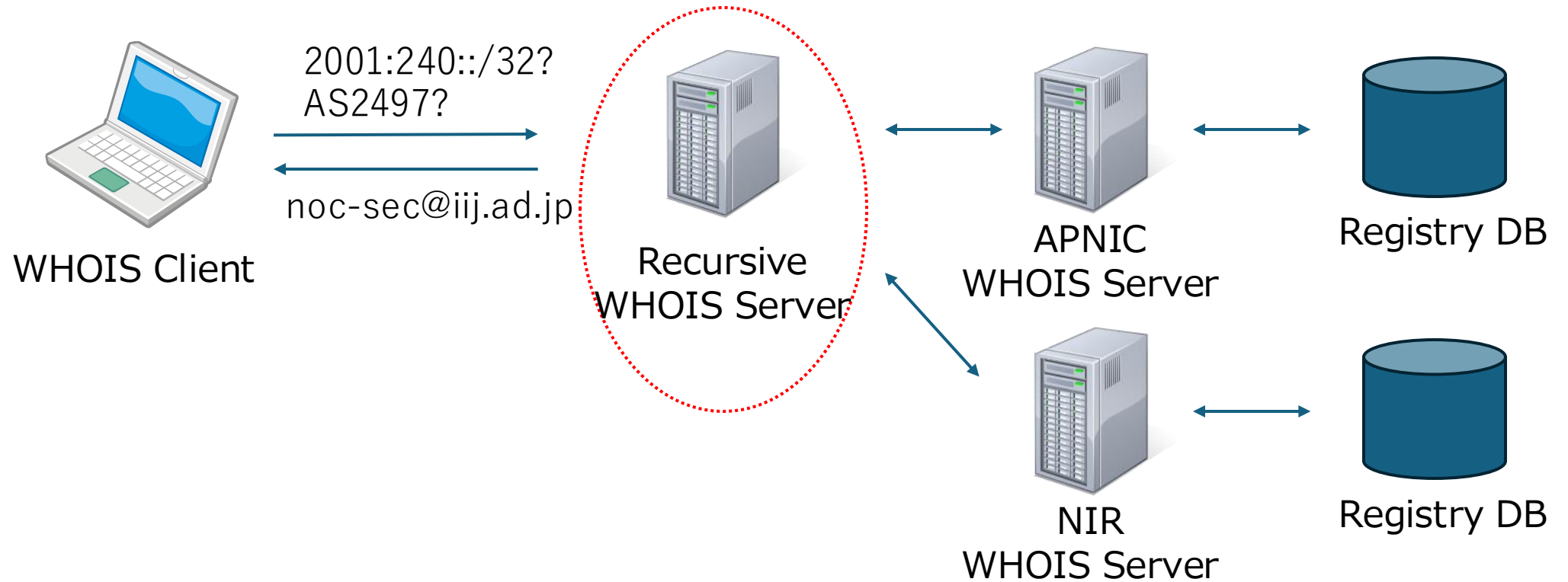
- Role
 - abuse, technical, administrative, registrant
 - Which combination represents the actual resource holder?
- vCARD
 - Mostly phone numbers
 - How to find E-mail
- The current use of 'Link'
 - RDAP URI
 - WHOIS WEB UI
 - NetOX (which is no longer available)

WHOIS Challenges

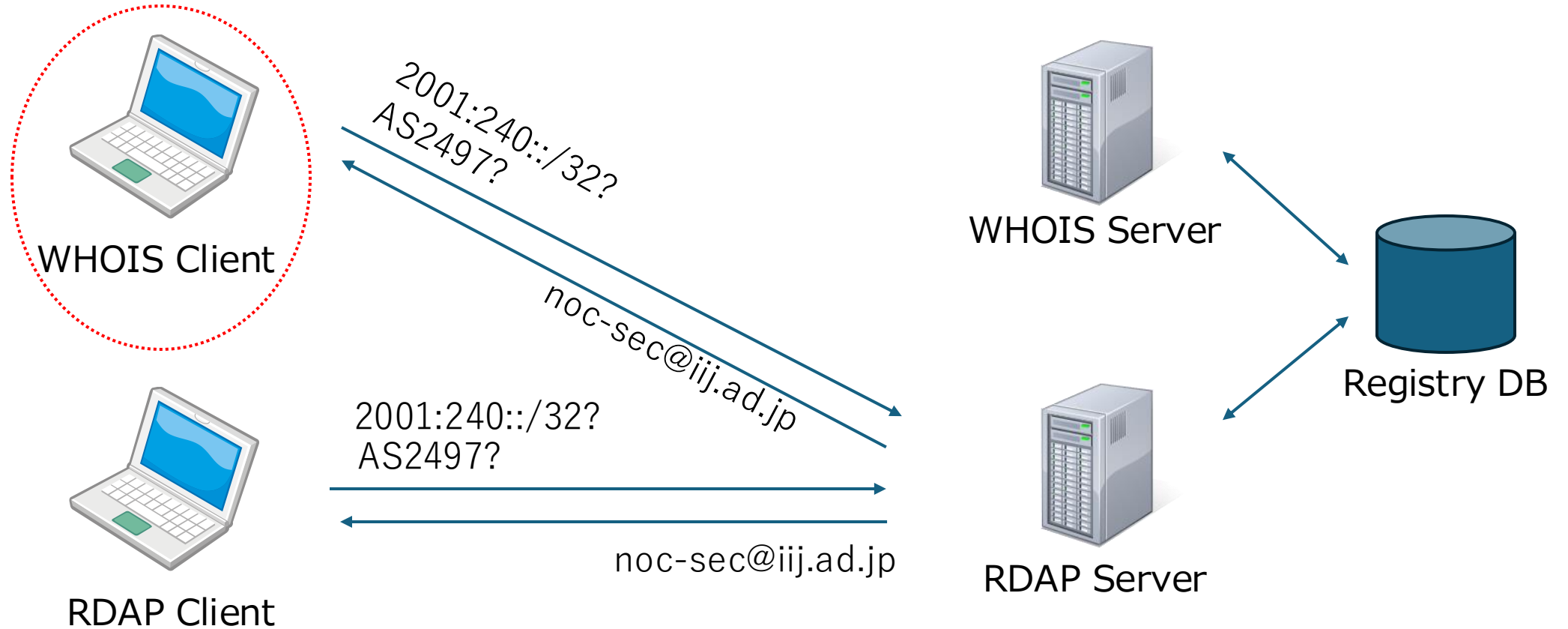
– Dealing with Legacy

1. RIR/NIR to agree on a WHOIS option for new format
 - To avoid troubles of legacy clients
 - \$Cost to develop new feature of WHOIS Server on each NIRs
2. Establish a shared WHOIS Recursive Server
 - No change on the existing WHOIS servers
 - The new Server provides an “one-stop” service for AP resources
3. Could ask WHOIS client developers to use RDAP instead
 - WHOIS clients to have a new RDAP query mode
 - We can focus on RDAP semantics

Recursive WHOIS Server



WHOIS clients to use RDAP



Roles – Which indicates What?

- abuse
 - Mostly NIR
- technical
 - Mostly LIR
- administrative
 - Mostly LIR
- registrant
 - Almost NONE
 - Could indicate LIR

Contact information

- vCARD
 - Can we include e-mail address there?
- Link
 - No indication of what information can be expected
- How should we show the contact information?