

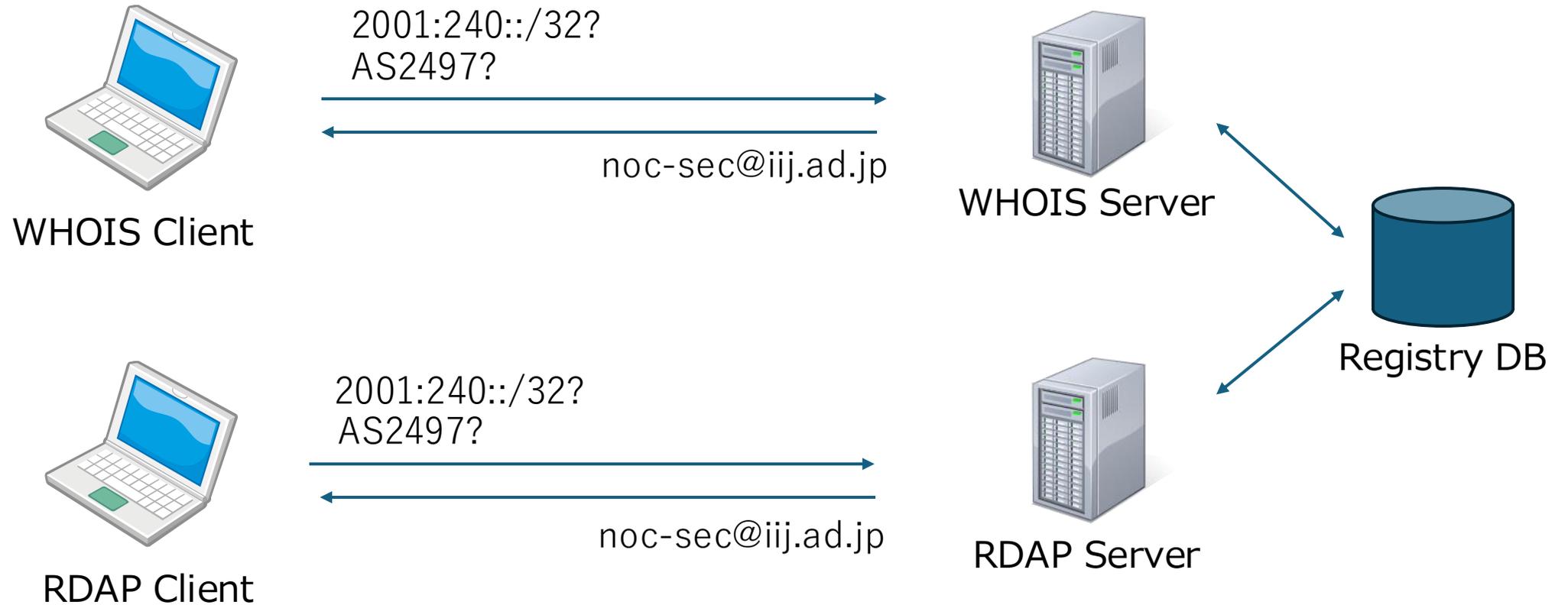
# RDAP coordination

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# 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

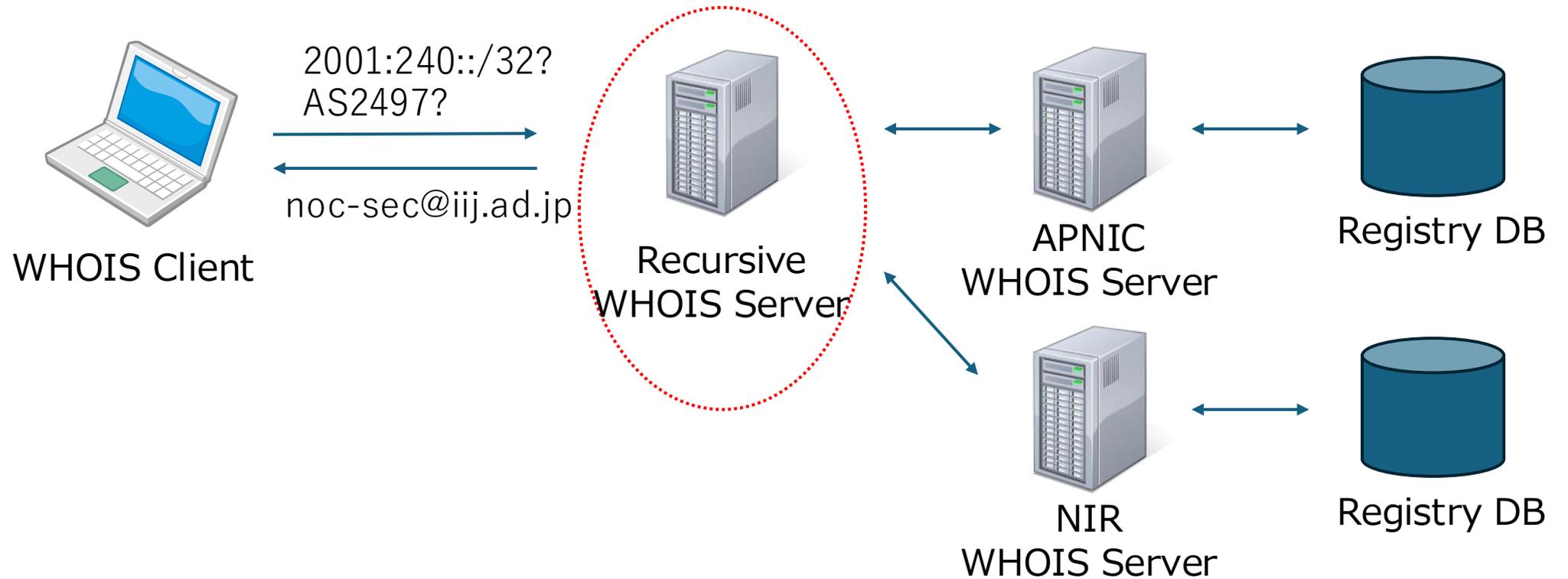
- Role
  - abuse, technical, administrative, registrant
  - Which combination represents the actual resource holder?
- vCARD
  - Mostly phone numbers
  - How to find E-mail
- The current use of 'Link'
  - RDAP URI
  - WHOIS WEB UI
  - NetOX (which is no longer available)

# WHOIS Challenges

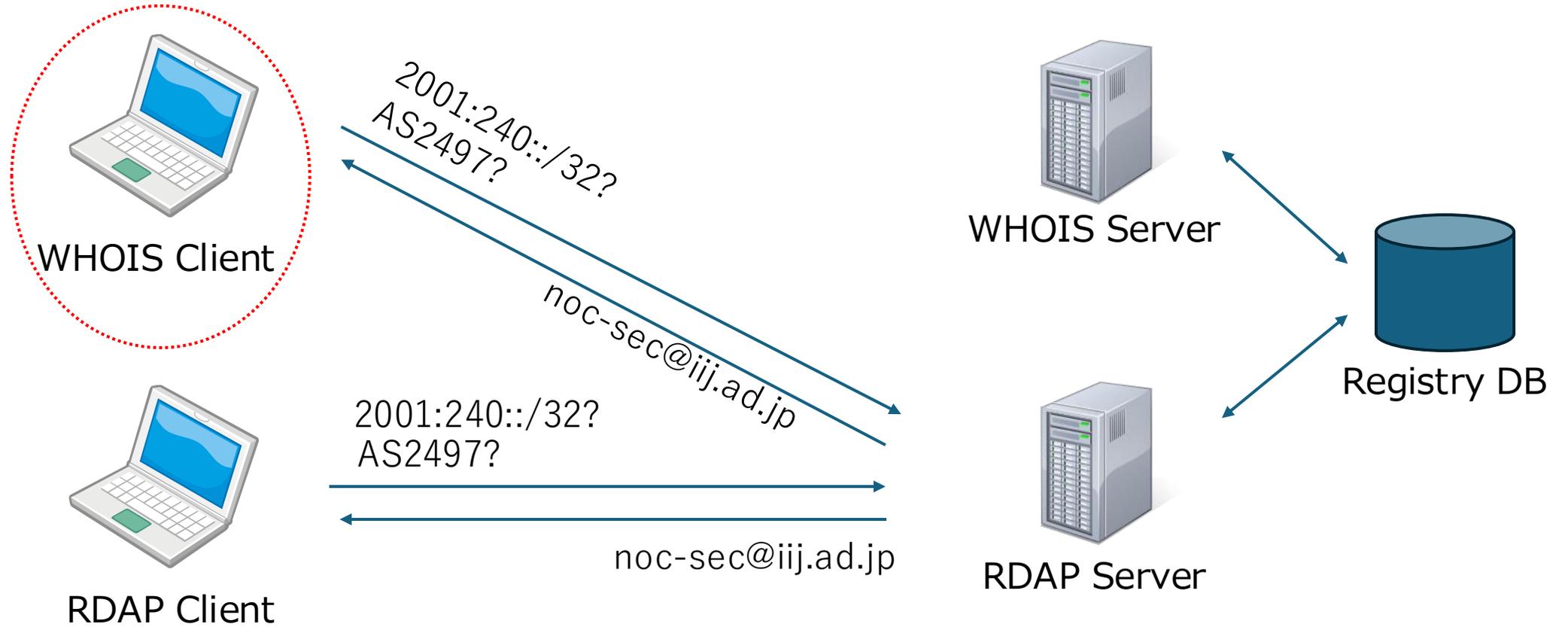
## – Dealing with Legacy

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?