Recursive PCP (RPCP)

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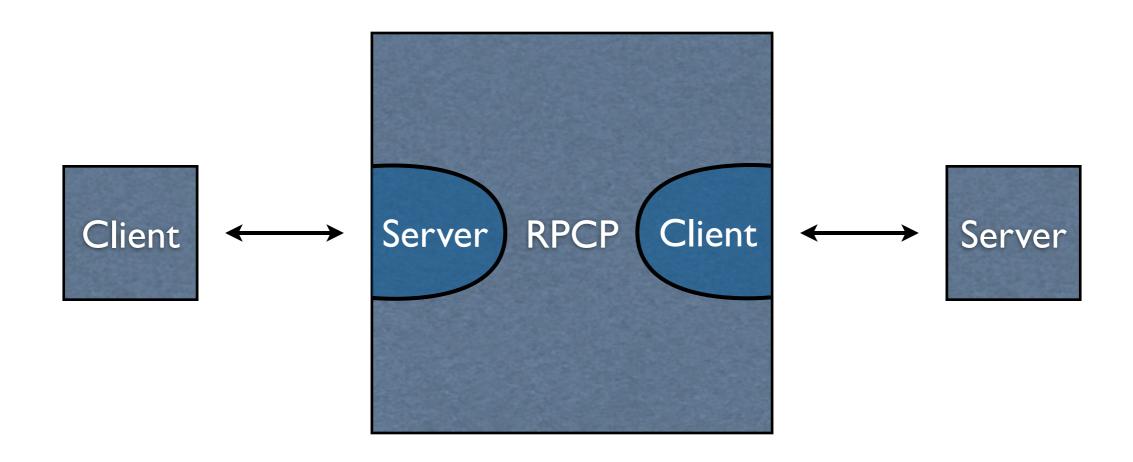
Basic Concept

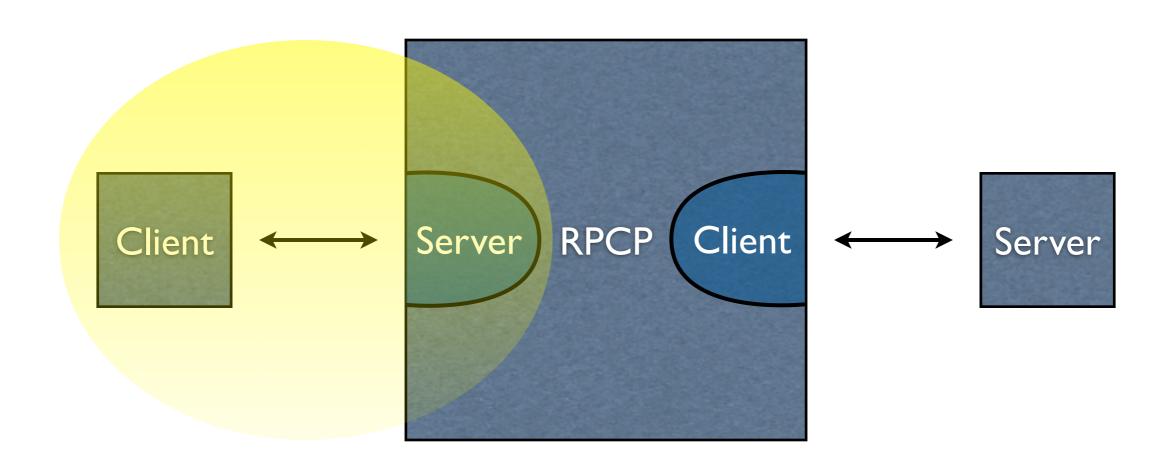
- Nested NAT is responsible for hiding nesting from the client
- Important for simplicity, testability, reliability
- Ten-page Internet Draft (7 pages of content)
- http://www.ietf.org/id/ draft-cheshire-recursive-pcp-02.txt

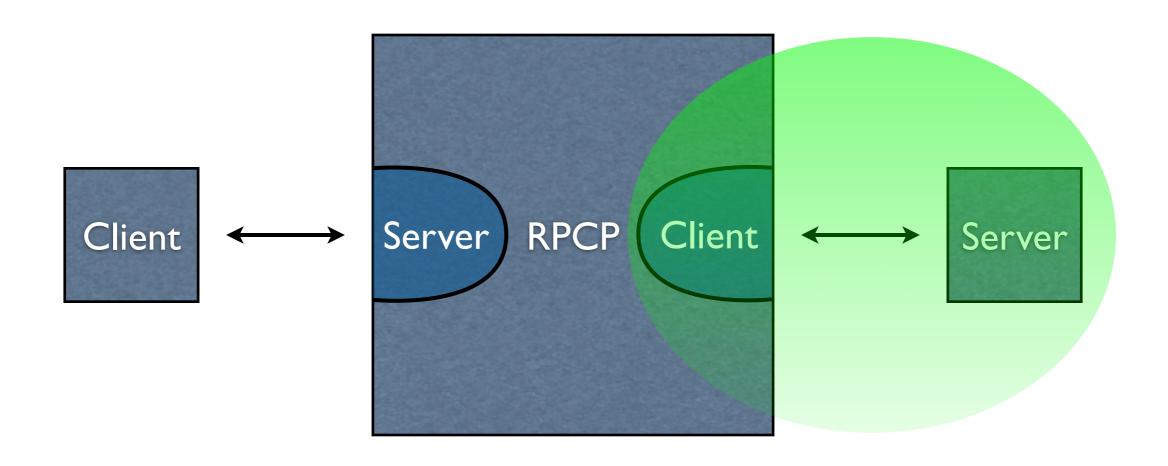
Basic Concept

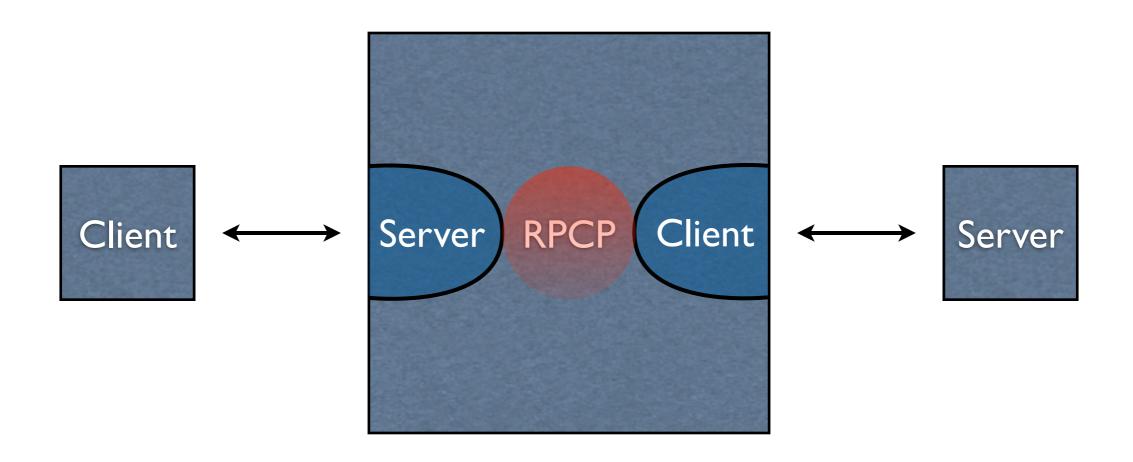
- PCP Clients talk only to closest PCP Server
 - If server is an RPCP server, it should hide that
- PCP Servers talk only to (apparent) PCP clients
 - If client is actually an RPCP server, it should hide that

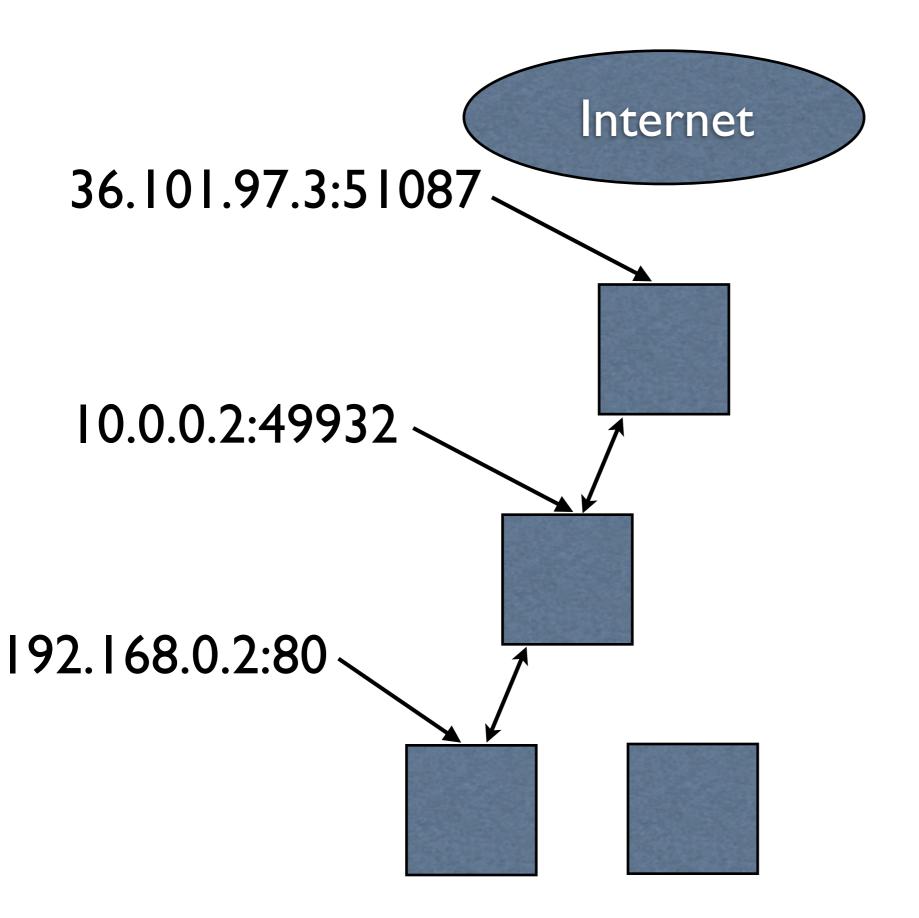


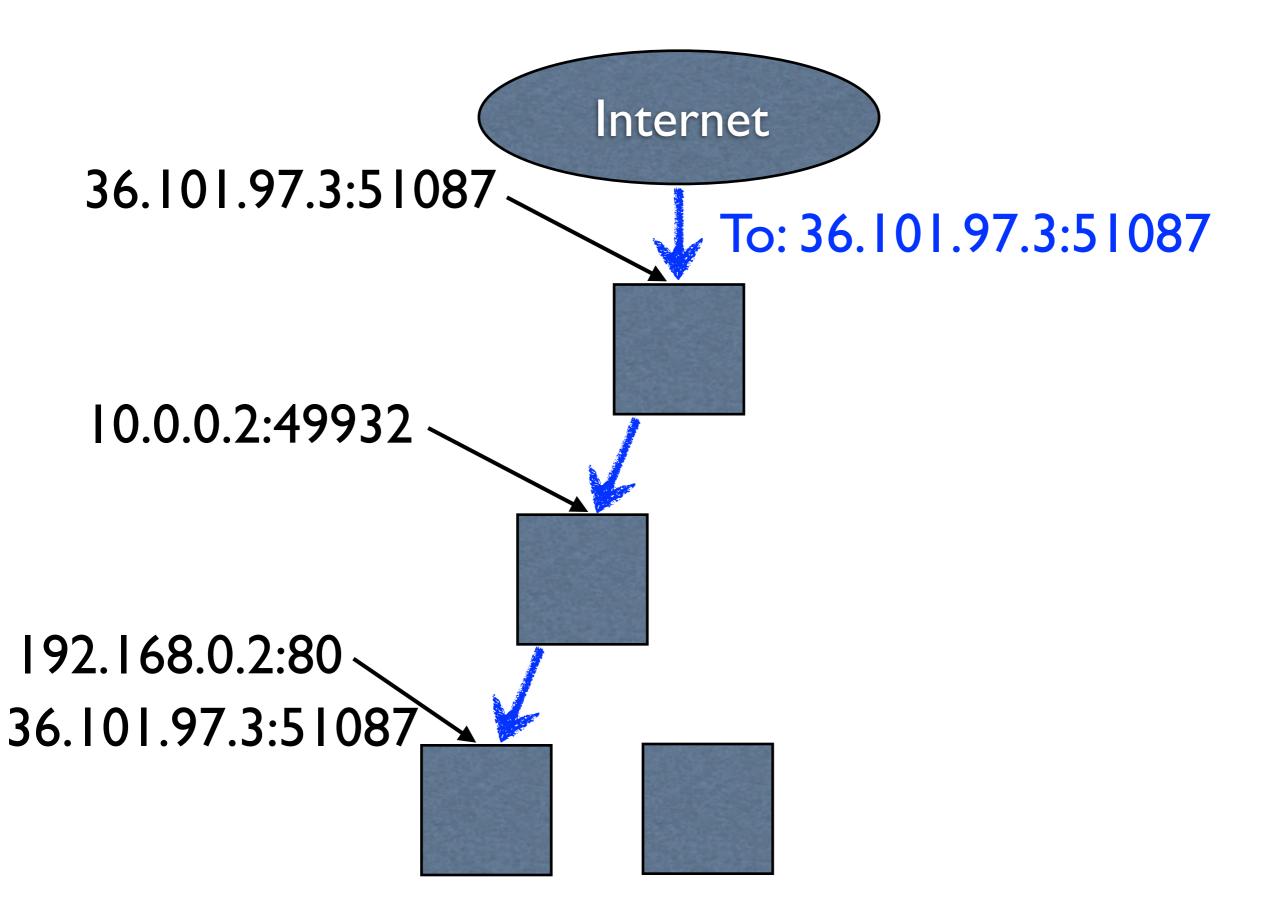


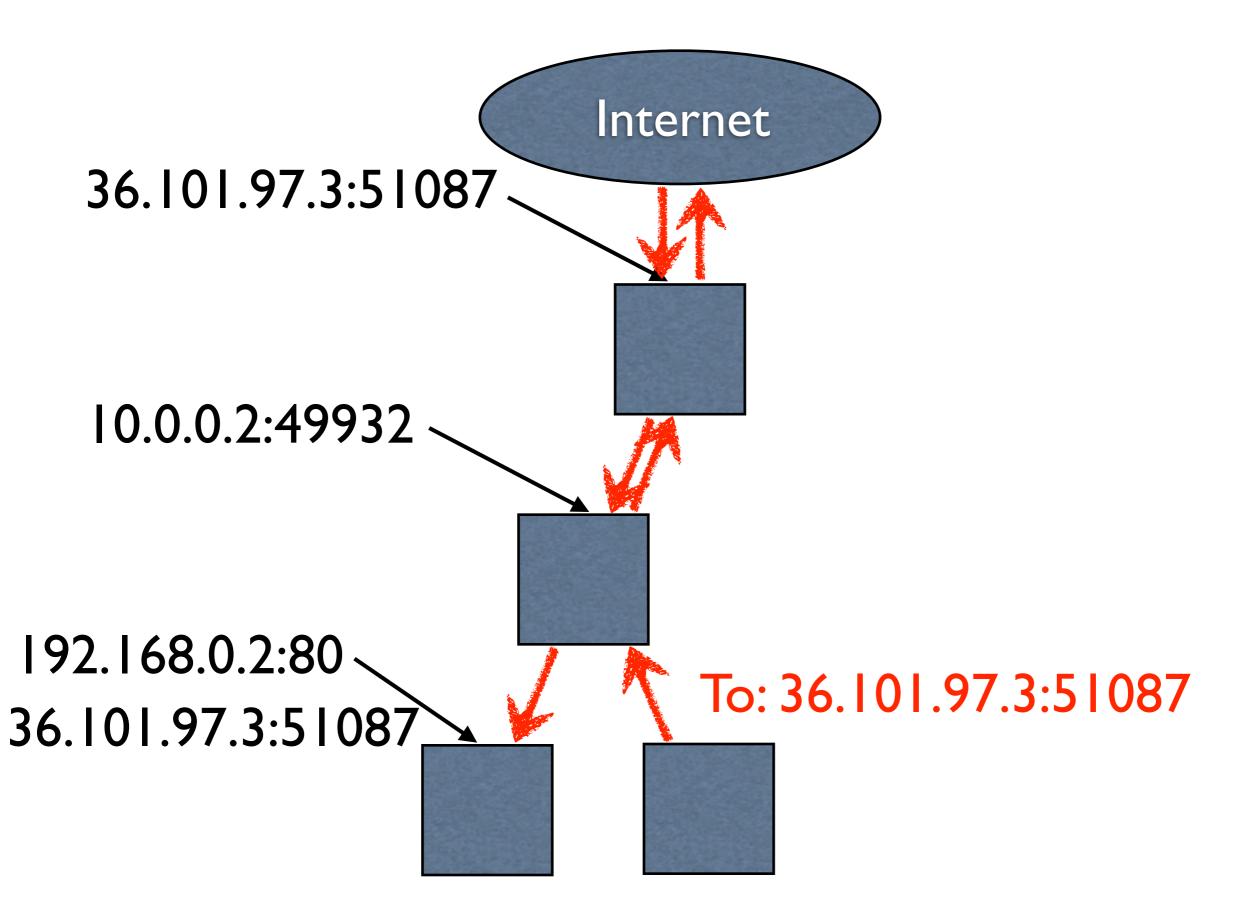


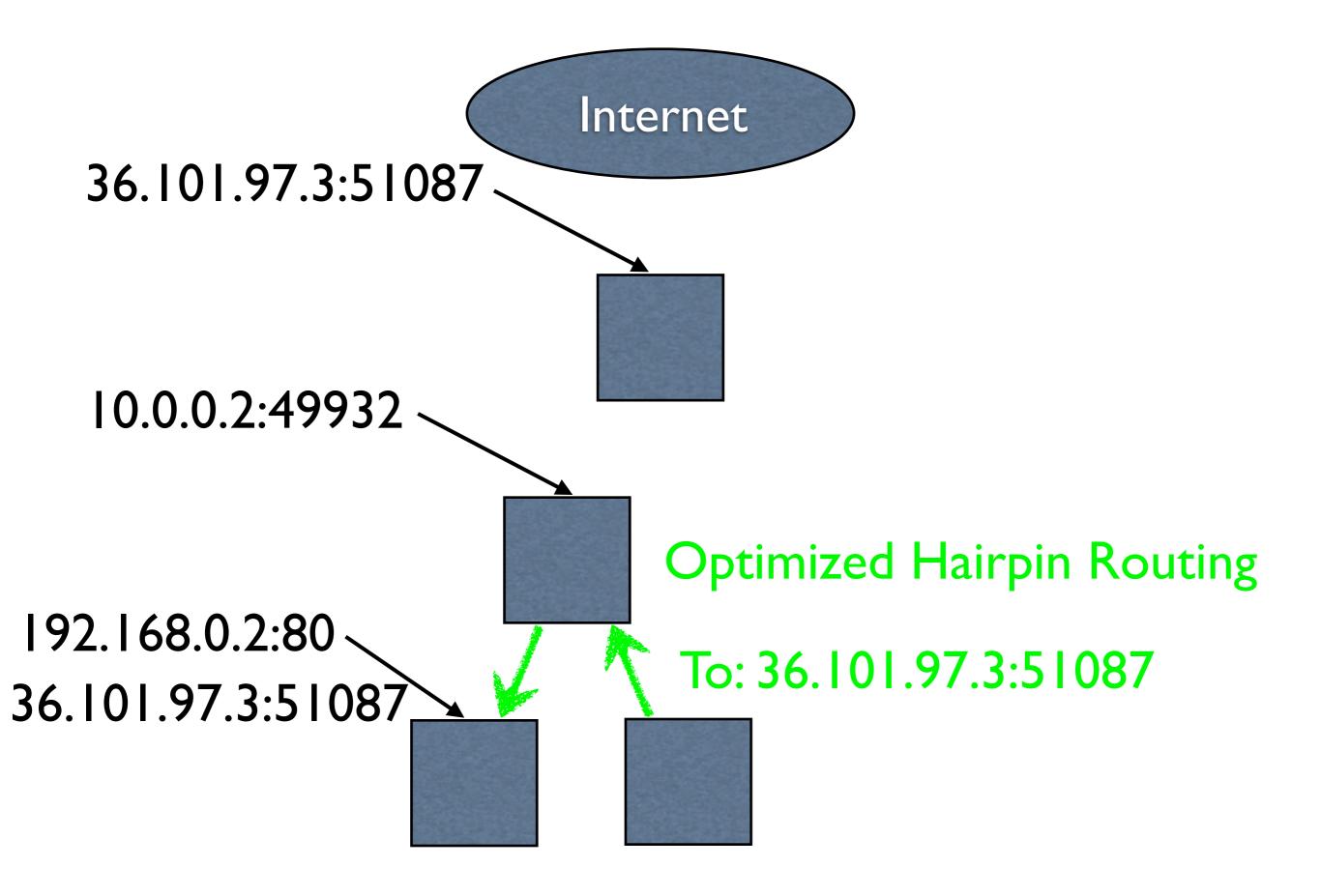












Summary

- Use of RPCP is invisible to upstream and downstream entities
- RPCP Server is independent PCP server
 - Initiates new upstream PCP request
 - Options are not blindly passed through
- Optimized Hairpin Routing