

draft-koivusalo-sip-outbound- discovery

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SIP WG @ IETF#66 Montreal

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- Scope of the document (version -02)
 - Define the problems for SIP Outbound autodiscovery
 - Which proxies in the domain support SIP Outbound ?
 - Should the UA set up a single or multiple flows ?
 - Which proxy in the domain should the UA use for its primary flow and which one for its secondary flow ?
 - Define requirements for the solution
 - Evaluate solutions and choose one of them
 - Specify the UA mechanisms
- All that in one single document since the problem space is small enough

Which proxies support Outbound ?

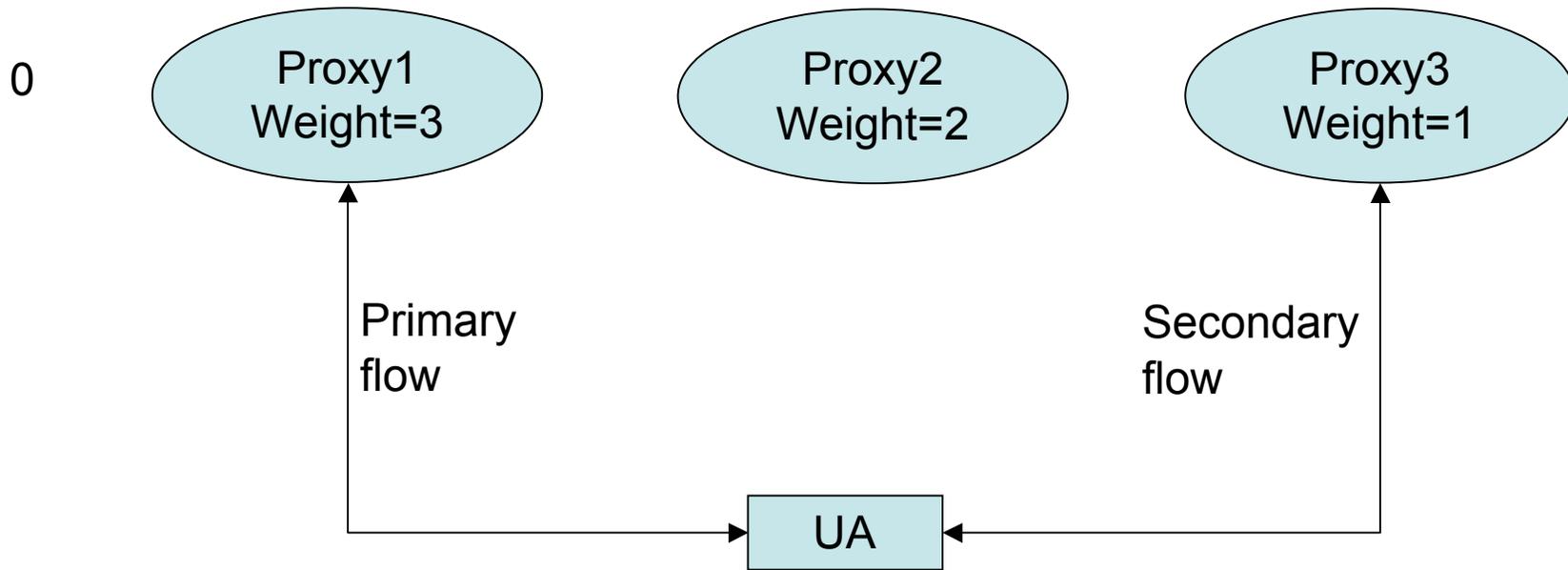
- Agreed mechanism
 - New DNS NAPTR RR “SIP-O” service types
 - Benefits:
 - satisfies all requirements
 - uses a well specified mechanism (RFC 2915)
 - Cost: five more NAPTR service types

Known Open Issues

- Synchronize the draft with Outbound I-D
 - Will the next version of Outbound I-D have support for requirement REQ-PROXY-FARM-03 ?
 - “Must support the domain to have a separate farm of idle proxies dedicated for secondary backup connections”
- Is the number of flows to be set up in scope of this draft or outbound draft ?
 - Proposed that the DNS server would be able to indicate the preferred number of flows for the domain: the question is how ?

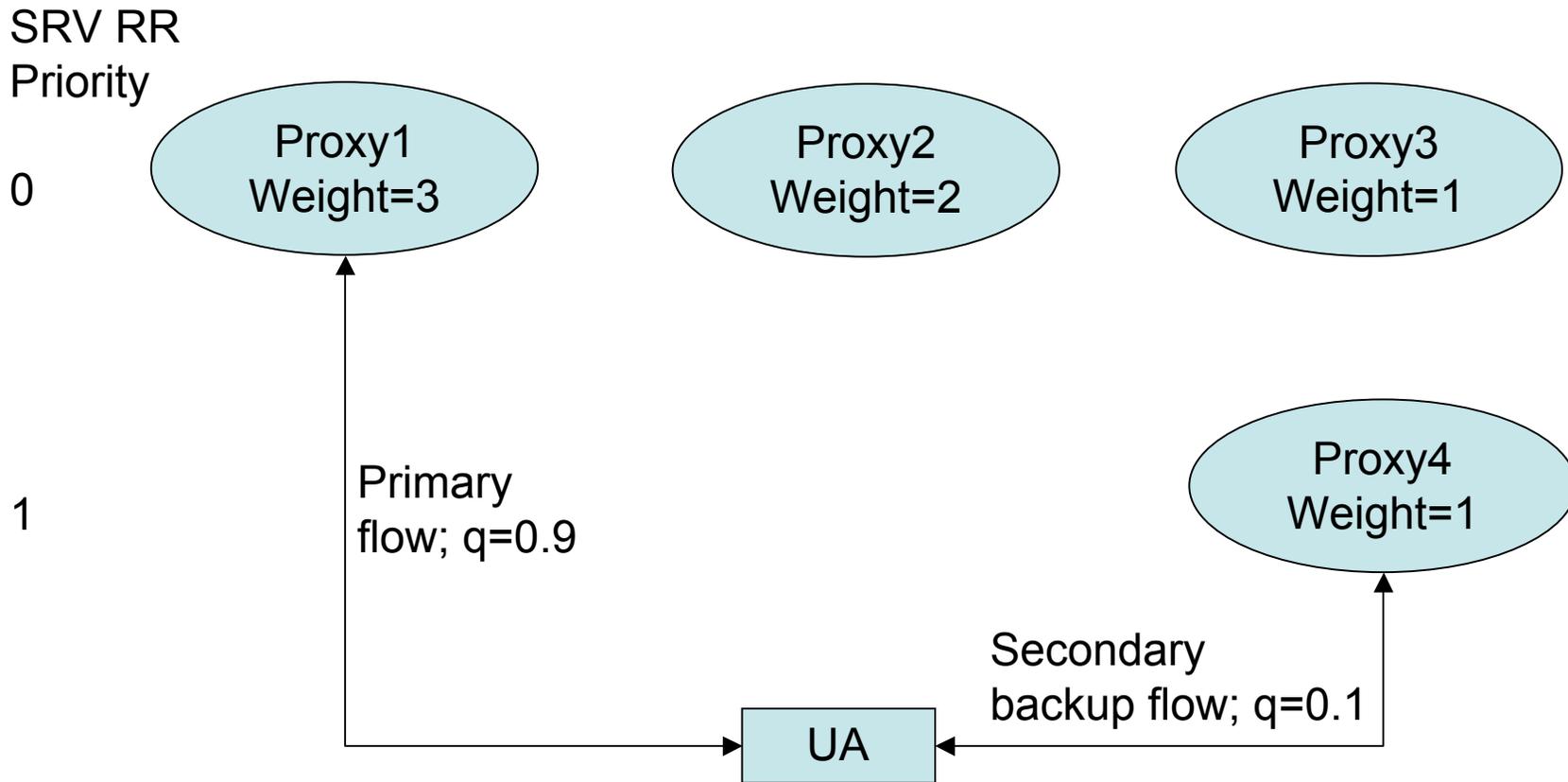
Which proxies should UA connect ?

DNS
SRV RR
Priority



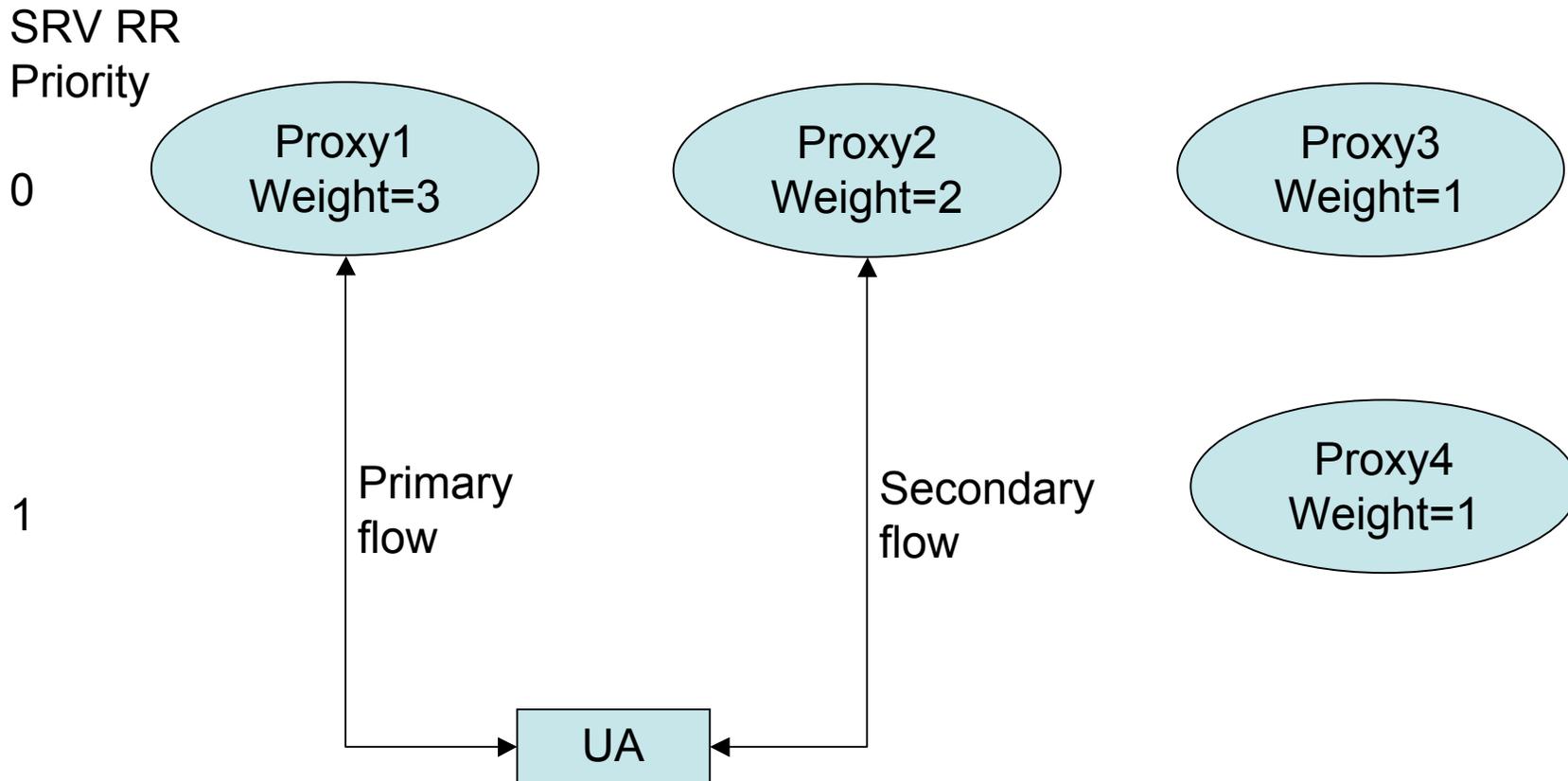
UA finds two separate proxies
by applying DNS SRV query
after "SIP-O" NAPTR query

1:N redundancy with q-value ?



UA uses primary flow whenever it works
(the UA just keeps backup flow alive)
Highest Contact 'q' value is assigned for the primary flow

Or treat all flows always equally ?



UA just ignores the SRV RRs which do not have the lowest number as SRV RR Priority (as far as there are multiple proxies within the topmost priority level)

Proposals

- The I-D to be adopted as WG item

Thank you