

IETF MARTINI WG

interim meeting 2010-01-26

Requirements – mailing list
discussion
(John Elwell)

Requirements (1)

1. The mechanism **MUST** allow the PBX to be responsible for its AORs and to handle requests to those AORs according to its rules.
 - Discussion on how we define “responsible”, e.g., based on ability to have a cert?
 - Issue of whether to restrict to E.164 number
 - If PBX is responsible, can SP direct calls to voicemail?
2. The mechanism **MUST** allow the PBX to receive requests to its AORs that originate off-PBX and arrive via the SSP, so that the PBX can handle those requests according to its rules.

Requirements (2)

3. The mechanism **MUST** provide a means whereby the PBX knows which of its AORs an inbound request is targeted at.
4. The mechanism **MUST** provide a means of avoiding problems due to one side using the mechanism and the other side not.
5. The mechanism **MUST** observe SIP backwards compatibility principles.

Requirements (3)

6. The mechanism MUST work in the presence of intermediate "proxies" on the SSP side of the interface (between the PBX and the SSP's domain proxy), where those intermediate "proxies" need to be on the path of inbound requests to the PBX.
 - Suggestion from one person to extend to “proxies on the PBX side too”
 - Do we need to spell out more clearly what is meant by “proxies”, e.g., “SIP entities”?

Requirements (4)

7. The mechanism **MUST** work when the PBX obtains its IP address dynamically.
8. The mechanism **MUST** work without requiring the PBX to publish reachability information through the DNS.
9. The mechanism **MUST** work over any existing transport specified for SIP, including UDP.
 - This is a new proposal
10. Do we need any requirement concerning ability to check the two sides have matching set of AORs?

Desirables (1)

1. The mechanism SHOULD allow SSPs to exploit its mechanisms for providing SIP service to ordinary subscribers in order to provide a SIP trunking service to PBXs.
2. The mechanism SHOULD scale to PBXs of several thousand AORs.
 - Some discussion whether it would apply to such large PBXs
3. The mechanism SHOULD scale to support several thousand IP-PBXs on a single service provider network.

Desirables (2)

4. The mechanism SHOULD allow handling of inbound requests and outbound requests between SSP and PBX to be as common as possible as with a normal peering arrangement (RFC 3263 based), as far as the PBX is concerned.
 - Proposed, but objections