Dual stack SIP and XMPP SIXPAC

IETF80
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Goals

- To allow a SIP to be used for voice and video, and XMPP for IM and Presence
- Start with a SIP session and add XMPP IM, or vice versa
- Integrated in the client for optimal user experience

Alice

Bob

Want to talk to me?

Ok!

I’d also like to IM

Ok! Here’s my JID

<message>
Technical requirements

• Presence
  – Include SIP-based availability states in XMPP presence ("I’m on a SIP call")

• Correlation
  – Indicate that XMPP IM conversation is related to a SIP voice/video session, and vice-versa

• Address discovery
  – Advertise/learn a SIP account address over XMPP and an XMPP account address over SIP
Protocol extensions

• Extensions are expected to be defined for both XMPP and SIP
• Backwards compatibility needs to be maintained for both SIP and XMPP
• No changes required to installed infrastructure (SIP and XMPP servers, B2BUAs, firewalls etc.)
Status of the work

• First presented in IETF76
• Mailing list at https://www.ietf.org/mailman/listinfo/sixpac
• Documents
• Draft charter (not approved)
Next steps

• Finalize use cases and requirements
  – Has been reviewed and commented for a while
• Start working on the technical solution
  – Use sip-voip-xmpp-im as a starting point
• WG creation
  – Scope needs to be carefully defined in the charter