XMPP Open Issues

XMPP WG, IETF 78
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3920bis (1)

- WGLC call completed in late June, 2010
- All feedback was incorporated into draft version -10 (July 7)
- Second WGLC started July 13
- Version -11 published July 26
- A few changes during second WGLC...
3920bis (2)

• Ambiguities about handling of silent peers:
  • 2 streams over 1 TCP connection (c2s)
  • 2 streams over 2 TCP connections (s2s)
  • Multiple streams over multiple TCP connections (s2s)

• Clarification about directionality
address (1)

- WGLC on -00 ended July 14
- Some feedback, mostly small
- Version -03 published July 26
- A few changes during WGLC...
address (2)

• Discouraged sending of ACE labels (should convert before sending via ToUnicode)

• After list discussion, decided against adding more text about mixing of character sets

• Deemed implementation specific any checking of string length (1023 bytes) before application of the stringprep profile
3921bis (1)

- Currently in WGLC
- A number of (mostly small) issues raised
- Only ~5 people have commented so far
- More comments desirable
- A few open issues for discussion...
• Presence probes ... if user is offline:
  • return unavailable presence
  • *or*
  • silently ignore?
3921bis (2)

• Presence optimization ... if subscription state is “both”, user’s server SHOULD send subsequent presence updates to contact only if contact’s server replies to probe.

• Provisionally changed to MAY because this seems to be truly optional
3921bis (3)

- Stanza delivery rules ... headline message intended for full JID, but no resource matches:
  - silently drop
  - *or*
  - return error?
• Some servers optionally cache presence stanzas of type “subscribed”, “unsubscribe”, and “unsubscribed” for later delivery (as we do for “subscribe”)

• Add a note about this?
• The server MUST NOT send a probe to a contact if the user is not subscribed to the contact's presence ... unless the user has sent directed presence to the contact and has received presence information in return.

• Do we need to both parts of the final clause?
3921bis (6)

• To-do...
  • Add text about ‘id’ attribute on presence subscription re-sends by server
  • Define impact of presence errors on roster state (if any)
Next Steps

- Please review recent diffs to ensure correctness
- WGLC not yet finished on 3921bis
- Further reviews are always a good thing
- </stream>