Overview

• Version at IETF 75 was -00

• Material changes limited to roster versioning and a few clarifications to subscription handling

• No known open issues
Roster Versioning (1)

- Discussed earlier this year at XMPP Standards Foundation (XSF)
- Problem: Why receive complete roster if it hasn’t changed since you last logged in?
- Solution: Versioning of rosters (optional)
- Published in XEP-0237, moved to 3921bis
Roster Versioning (2)

- New ‘ver’ attribute
- Opaque to the client
- MAY have meaning to the server
- For example: hash of the roster data, or strictly increasing sequence number
- If versioning is used, all roster gets, results, and pushes include ‘ver’ attribute
Roster Versioning (3)

- Roster get includes the last ‘ver’ known to
  the client...

- `<iq type='get' id='foo'>
    <query xmlns='...' ver='abc123'/>
  </iq>`
Roster Versioning (4)

• If not changed, server returns empty IQ-result (not empty <query/>)

• If changed, server returns either:
  • Complete modified roster, or
  • Individual roster pushes for “diff”
Presence Subscriptions (1)

- Client SHOULD include ‘id’ in subscription request for tracking purposes
- More clearly specified when presence stanzas of type “error”, “unsubscribe”, and “unsubscribed” are used
- Server MAY send unavailable presence from the bare JID to ack subscription request
Presence Subscriptions (2)

- Server MUST deliver subscription-related presence stanzas to user (subscribe, subscribed, unsubscribe, unsubscribed) and MUST do so before sending roster push

- Clarified handling of subscription request when user is not in contact’s roster

- Clarified when roster item is created by server (not until subscription approval)
Other Changes

- Server MUST restrict access to roster (implicit in previous text)
- Added feature set for conformance purposes
Open Issues

• No known open issues at this time
• Reviews needed to confirm