

draft-ietf-xmpp-392 Ibis

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Background

- Will obsolete RFC 3921 (“XMPP IM + Presence”)
- Many errata, corrections, and clarifications
- Lots of implementation experience!
- More detailed security considerations
- Other non-material changes

Material Changes

- Removed session establishment protocol (it's enough to bind a resource)
- Moved privacy lists to XEP-0016 @ xmpp.org
- Added support for pre-approved presence subscriptions
 - `<presence type='subscribed'/>` from user
 - optional `<item ask='subscribed'/>` in roster

Open Issues

- Error handling related to presence subscriptions
- Modify or supersede existing roster protocol to be more flexible and consistent?
- Other?

Subscription Handling

- 3921 mentioned `<presence type='error'/>` for presence subscriptions, but never specified
- bis: recommend that user's server periodically re-send subscription request if contact's server does not return subscribed or unsubscribed
- bis: if contact's server thinks user is not subscribed then send `<presence type='unsubscribed'/>` in response to presence probe from user

Roster Issues (?)

- Servers do not or cannot process arbitrary extensions in roster <item/> element
- Subscription state information is incomplete in roster pushes (e.g., “from” rather than “from plus pending out”)
- Redundancy between roster push and presence of type subscribed or unsubscribed
- Server blocks roster data from other entities

Roster Solutions (?)

- New namespace (e.g., “urn:xmpp:roster:0”)
- Explicitly allow extensions in <item/>
- Specify complete subscription state in <item/>
- Use presence of type subscribe, subscribed, unsubscribe, and unsubscribed only for s2s, not from server to client
- No special-casing to block inbound data (enables shared group services)