

XMPP over WebSocket

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Framing

- Currently one stream level element per WS message, stream start and close in their own messages.
 - Except for `<stream><error /></stream>` which is in a single message
 - Stream start may also include an XML prelude
- Is there a reason for special casing these stream start situations?
- Should the `<?xml ... ?>` prelude be in its own message?
- The fewer special cases/complex message payloads the easier for browser side parsing.

SASL External

- It is still unclear what the expectation should be for EXTERNAL:
 - Use of a client cert at the WS level?
 - Inclusion of cookie/session data in initial WS request?
- Existing user assumptions are that EXTERNAL = client certs

see-other-uri?

- We already have a `<see-other-host />` stream level error condition.
- Only specifies host+port, not a full URI that could be required for a new WebSocket connection.
- Add new stream level error, or make it an application specific error to go alongside `<see-other-host />`?
- If new stream level error, does this require 6120bis?

Misc Issues

- Need to call out that the browser's stack is in charge of certificate validation. Applications will likely not be able to verify certs directly.
- Add recommendations for use of XEP-0198
- Is compression at the WS level available? Should it be mentioned?