This specification defines a procedure to make s2s XMPP connections over WebSocket.
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1 Introduction

RFC 7395 \(^1\) specifies how to make c2s connections over WebSocket. This XEP extends that to also support s2s connections over WebSocket.

2 Requirements

Everything mentioned in RFC 7395 \(^2\) should be followed with the following changes:

1. Connection details are discovered by using Discovering Alternative XMPP Connection Methods (XEP-0156) \(^3\)

2. For c2s, RFC 7395 \(^4\) requires replacing the ’jabber:client’ namespace with ’urn:ietf:params:xml:ns:xmpp-framing’, for s2s, the ’jabber:server’ namespace should be replaced with ’urn:ietf:params:xml:ns:xmpp-framing-server’.

3. wss (TLS) upgraded to a MUST be used, therefore SASL EXTERNAL authentication can be used as defined in XMPP Core \(^5\)

3 Use Cases

Some hosting services only allow HTTPS proxies to access servers, meaning federating XMPP servers cannot be ran on these hosts unless s2s is accessible over HTTPS.

4 Security Considerations

Identical to RFC 7395 Security Considerations.

5 IANA Considerations

A URN sub-namespace for framing of s2s Extensible Messaging and Presence Protocol (XMPP) streams is defined as follows.

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6 XMPP Registrar Considerations

This document requires no interaction with the XMPP Registrar. The XMPP Registrar maintains a list of reserved protocol namespaces as well as registries of parameters used in the context of XMPP extension protocols approved by the XMPP Standards Foundation. For further information, see https://xmpp.org/registrar/.