

# XEP-0211: XMPP Basic Client 2008

This document defines the XMPP Basic Client 2008 compliance level.

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NOTICE: The protocol defined herein is a Draft Standard of the XMPP Standards Foundation. Implementations are encouraged and the protocol is appropriate for deployment in production systems, but some changes to the protocol are possible before it becomes a Final Standard.

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## Document Information

Series: [XEP](#)  
Number: 0211  
Publisher: [XMPP Standards Foundation](#)  
Status: [Draft](#)  
Type: [Standards Track](#)  
Version: 1.0  
Last Updated: 2007-07-11  
Approving Body: [XMPP Council](#)  
Dependencies: XMPP Core, XMPP IM, XEP-0030, XEP-0106, XEP-0115, XEP-0138  
Supersedes: None  
Superseded By: None  
Short Name: N/A  
Wiki Page: <[http://wiki.jabber.org/index.php/XMPP Basic Client 2008 \(XEP-0211\)](http://wiki.jabber.org/index.php/XMPP_Basic_Client_2008_(XEP-0211))>

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## Discussion Venue

The preferred venue for discussion of this document is the Standards discussion list: <http://mail.jabber.org/mailman/listinfo/standards>.

Errata may be sent to [editor@xmpp.org](mailto:editor@xmpp.org).

## Relation to XMPP

The Extensible Messaging and Presence Protocol (XMPP) is defined in the XMPP Core (RFC 3920) and XMPP IM (RFC 3921) specifications contributed by the XMPP Standards Foundation to the Internet Standards Process, which is managed by the Internet Engineering Task Force in accordance with RFC

2026. Any protocol defined in this document has been developed outside the Internet Standards Process and is to be understood as an extension to XMPP rather than as an evolution, development, or modification of XMPP itself.

## Conformance Terms

The following keywords as used in this document are to be interpreted as described in [RFC 2119](#): "MUST", "SHALL", "REQUIRED"; "MUST NOT", "SHALL NOT"; "SHOULD", "RECOMMENDED"; "SHOULD NOT", "NOT RECOMMENDED"; "MAY", "OPTIONAL".

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## 1. Introduction

The [XMPP Standards Foundation \(XSF\)](#) [1] defines protocol suites for the purpose of compliance testing and software certification. This document specifies the XMPP Basic Client 2008 certification level.

## 2. Definition

The XMPP Basic Client 2008 certification level is defined as follows:

**Table 1: Required and Recommended Specifications**

| Specification                           | Requirement Level |
|---|-------------------|
| <a href="#">RFC 3920</a> [2]            | REQUIRED *        |
| <a href="#">RFC 3921</a> [3]            | REQUIRED *        |
| <a href="#">Service Discovery</a> [4]   | REQUIRED          |
| <a href="#">JID Escaping</a> [5]        | RECOMMENDED       |
| <a href="#">Entity Capabilities</a> [6] | RECOMMENDED       |
| <a href="#">Stream Compression</a> [7]  | RECOMMENDED       |

\* Note: RFC 3920 and RFC 3921 are currently being revised to correct errors, clarify matters that were underspecified, and incorporate feedback based on implementation and deployment experience gained since RFC 3920 and RFC 3921 were published in 2004. Although the compliance level specified herein refers to RFC 3920 and RFC 3921, developers are also advised to consult [rfc3920bis](#) [8] and [rfc3921bis](#) [9], which

provide the most up-to-date and accurate description the core XMPP protocols.

### 3. Implementation Notes

Some of the protocol specifications referenced herein have their own dependencies; developers must refer to the relevant specifications for further information.

Developers are advised to refer to [Best Practices for Use of SASL EXTERNAL](#) [10] regarding proper implementation of the SASL EXTERNAL mechanism in XMPP.

### 4. Security Considerations

This document introduces no additional security considerations above and beyond those defined in the documents on which it depends.

### 5. IANA Considerations

This document requires no interaction with the [Internet Assigned Numbers Authority \(IANA\)](#) [11].

### 6. XMPP Registrar Considerations

This document requires no interaction with the [XMPP Registrar](#) [12].

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## Notes

1. The XMPP Standards Foundation (XSF) is an independent, non-profit membership organization that develops open extensions to the IETF's Extensible Messaging and Presence Protocol (XMPP). For further information, see <http://www.xmpp.org/xsf/>.
2. RFC 3920: Extensible Messaging and Presence Protocol (XMPP): Core <http://tools.ietf.org/html/rfc3920>.
3. RFC 3921: Extensible Messaging and Presence Protocol (XMPP): Instant Messaging and Presence <http://tools.ietf.org/html/rfc3921>.
4. XEP-0030: Service Discovery <http://www.xmpp.org/extensions/xep-0030.html>.
5. XEP-0106: JID Escaping <http://www.xmpp.org/extensions/xep-0106.html>.
6. XEP-0115: Entity Capabilities <http://www.xmpp.org/extensions/xep-0115.html>.
7. XEP-0138: Stream Compression <http://www.xmpp.org/extensions/xep-0138.html>.
8. rfc3921bis: proposed revisions to Extensible Messaging and Presence Protocol (XMPP): Core <http://tools.ietf.org/html/draft-saintandre-rfc3920bis>. (work in progress)
9. rfc3921bis: proposed revisions to Extensible Messaging and Presence

Protocol (XMPP): Instant Messaging and Presence

<<http://tools.ietf.org/html/draft-saintandre-rfc3921bis>>. (work in progress)

10. XEP-0178: Best Practices for Use of SASL EXTERNAL

<<http://www.xmpp.org/extensions/xep-0178.html>>.

11. The Internet Assigned Numbers Authority (IANA) is the central coordinator for the assignment of unique parameter values for Internet protocols, such as port numbers and URI schemes. For further information, see

<<http://www.iana.org/>>.

12. 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 <<http://www.xmpp.org/registrar/>>.

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## Revision History

### Version 1.0 (2007-07-11)

Per a vote of the XMPP Council, advanced to Draft.

(psa)

### Version 0.6 (2007-07-11)

Changed XEP-0115 to recommended.

(psa)

### Version 0.5 (2007-06-18)

Removed implementation note about XMPP ICA.

(psa)

### Version 0.4 (2007-06-14)

Per community discussion, changed XMPP Core and XMPP IM references back to RFCs with recommendation for developers to also consult bis drafts; added reference to XEP-0178; suggested bundling of root certificate for XMPP ICA.

(psa)

### Version 0.3 (2007-06-11)

Changed XMPP Core and XMPP IM references to bis drafts; added implementation notes.

(psa)

### Version 0.2 (2007-05-11)

Added JID Escaping (XEP-0106) and Stream Compression (XEP-0138) as recommended.

(psa)

**Version 0.1 (2007-04-20)**

Initial published version.

(psa)

**Version 0.0.1 (2007-03-30)**

First draft, split from XEP-0073.

(psa)

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