XEP-0270: XMPP Compliance Suites 2010

Abstract: This document defines XMPP protocol compliance levels for 2010.
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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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1. Introduction

The **XMPP Standards Foundation (XSF)** [1] defines protocol suites for the purpose of compliance testing and software certification. This document specifies the 2010 compliance levels for XMPP clients and servers. Unless qualified where explicitly noted, support for the listed specifications is REQUIRED for compliance purposes.

2. Compliance Levels

Table 1: XMPP Compliance Levels for 2010

Spec	Core Server	Core Client	Advanced Server	Advanced Client
RFC 3920 [2] *	✓	✓	✓	✓
RFC 3921 [3] *	✓	✓	✓	✓

Service Discovery [4]	✓	✓	✓	✓
Entity Capabilities [5]	N/A	✓	N/A	✓
Jabber Component Protocol [6]	✓	N/A	✓	N/A
Privacy Lists [7]	✕	✕	✓	✕
Simple Communications Blocking [8]	✕	✕	✓	✕
BOSH [9]	✕	✕	✓ **	✕
XMPP Over BOSH [10]	✕	✕	✓ **	✕
vcard-temp [11]	✕	✕	✓	✓
Personal Eventing Protocol [12]	✕	✕	✓	✓
Multi-User Chat [13]	✕	✕	✓ **	✓ ***
Chat State Notifications [14]	N/A	✕	N/A	✓

* 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** [15] and **rfc3921bis** [16], which provide the most up-to-date and accurate description the core XMPP protocols.

** Support can be enabled via an external component or an internal server module/plugin.

*** Support for the Entity Use Cases and Occupant Use Cases is REQUIRED; support for the remaining use cases is RECOMMENDED.

3. Implementation Notes

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

Developers are advised to refer to **Best Practices for Use of SASL EXTERNAL** [17] 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)** [18].

6. XMPP Registrar Considerations

This document requires no interaction with the **XMPP Registrar** [19].

Appendices

Appendix A: Document Information

Series: XEP
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Supersedes: XEP-0242, XEP-0243
Superseded By: None
Short Name: N/A
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Appendix B: Author Information

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Appendix C: Legal Notices

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IPR Conformance

This XMPP Extension Protocol has been contributed in full conformance with the XSF's Intellectual Property Rights Policy (a copy of which can be found at <http://xmpp.org/extensions/ipr-policy.shtml> or obtained by writing to XMPP Standards Foundation, 1899 Wynkoop Street, Suite 600, Denver, CO 80202 USA).

Appendix D: 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.

Appendix E: Discussion Venue

The primary venue for discussion of XMPP Extension Protocols is the <standards@xmpp.org> discussion list.

Discussion on other xmpp.org discussion lists might also be appropriate; see <http://xmpp.org/about/discuss.shtml> for a complete list.

Errata can be sent to <editor@xmpp.org>.

Appendix F: Requirements Conformance

The following requirements 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".

Appendix G: 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://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://xmpp.org/extensions/xep-0030.html>.

5. XEP-0115: Entity Capabilities <http://xmpp.org/extensions/xep-0115.html>.

6. XEP-0114: Jabber Component Protocol <http://xmpp.org/extensions/xep-0114.html>.

7. XEP-0016: Privacy Lists <http://xmpp.org/extensions/xep-0016.html>.

8. XEP-0191: Simple Communications Blocking <http://xmpp.org/extensions/xep-0191.html>.

9. XEP-0124: Bidirectional-streams Over Synchronous HTTP
<http://xmpp.org/extensions/xep-0124.html>.

10. XEP-0206: XMPP Over BOSH <http://xmpp.org/extensions/xep-0206.html>.

11. XEP-0054: vcard-temp <http://xmpp.org/extensions/xep-0054.html>.

12. XEP-0163: Personal Eventing Protocol <http://xmpp.org/extensions/xep-0163.html>.

13. XEP-0045: Multi-User Chat <http://xmpp.org/extensions/xep-0045.html>.

14. XEP-0085: Chat State Notifications <http://xmpp.org/extensions/xep-0085.html>.

15. rfc3920bis: proposed revisions to Extensible Messaging and Presence
Protocol (XMPP): Core <http://tools.ietf.org/html/draft-ietf-xmpp-3920bis>.
(work in progress)

16. rfc3921bis: proposed revisions to Extensible Messaging and Presence
Protocol (XMPP): Instant Messaging and Presence
<http://tools.ietf.org/html/draft-ietf-xmpp-3921bis>. (work in progress)

17. XEP-0178: Best Practices for Use of SASL EXTERNAL
<http://xmpp.org/extensions/xep-0178.html>.

18. 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/>.

19. 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://xmpp.org/registrar/>.

Appendix H: Revision History

Note: Older versions of this specification might be available at

http://xmpp.org/extensions/attic/

Version 1.0 (2009-09-30)

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

(psa)

Version 0.1 (2009-05-20)

Initial published version, copied and modified from XEP-0242 and XEP-0243.

(psa)

END