



XMPP

XEP-0302: XMPP Compliance Suites 2012

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Experimental	Standards Track	N/A

This document defines XMPP protocol compliance levels for 2012.

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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 2012 compliance levels for XMPP clients and servers.² Unless qualified where explicitly noted, support for the listed specifications is REQUIRED for compliance purposes.

2 Compliance Levels

Spec

RFC 6120 RFC 6120: Extensible Messaging and Presence Protocol (XMPP): Core <<http://tools.ietf.org/html/rfc6120>>
RFC 6121 RFC 6121: Extensible Messaging and Presence Protocol (XMPP): Instant Messaging and Presence <<http://tools.ietf.org/html/rfc6121>>
RFC 6122 RFC 6122: Extensible Messaging and Presence Protocol (XMPP): Address Format <<http://tools.ietf.org/html/rfc6122>>
Service Discovery XEP-0030: Service Discovery <<http://xmpp.org/extensions/xep-0030.html>>
Entity Capabilities XEP-0115: Entity Capabilities <<http://xmpp.org/extensions/xep-0115.html>>
Jabber Component Protocol XEP-0114: Jabber Component Protocol <<http://xmpp.org/extensions/xep-0114.html>>
Simple Communications Blocking XEP-0191: Simple Communications Blocking <<http://xmpp.org/extensions/xep-0191.html>>
BOSH XEP-0124: Bidirectional-streams Over Synchronous HTTP <<http://xmpp.org/extensions/xep-0124.html>>

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

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

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

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

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

Message Delivery Receipts XEP-0184: Message Delivery Receipts <<http://xmpp.org/extensions/xep-0184.html>>

Stream Management XEP-0198: Stream Management <<http://xmpp.org/extensions/xep-0198.html>>

* Necessary to support Personal Eventing Protocol (PEP).

* 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.

¹The 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/>>.

²The XSF neglected to publish compliance suites for 2011; therefore the predecessor to this document is [XMPP Compliance Suites 2010](#)³.

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](#)⁴ 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 \(IANA\)](#)⁵.

6 XMPP Registrar Considerations

This document requires no interaction with the [XMPP Registrar](#)⁶.

7 Acknowledgements

Thanks to Dave Cridland, Waqas Hussain, Kevin Smith, and Matthew Wild for their feedback.

⁴XEP-0178: Best Practices for Use of SASL EXTERNAL <<http://xmpp.org/extensions/xep-0178.html>>.

⁵The 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/>>.

⁶The 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/>>.