



XMPP

XEP-0302: XMPP Compliance Suites 2012

Peter Saint-Andre
<mailto:peter@andyet.net>
<xmpp:stpeter@stpeter.im>
<https://stpeter.im/>

2011-07-21
Version 0.1

Status	Type	Short Name
Obsolete	Standards Track	N/A

This document defines XMPP protocol compliance levels for 2012.

Legal

Copyright

This XMPP Extension Protocol is copyright © 1999 – 2017 by the [XMPP Standards Foundation](#) (XSF).

Permissions

Permission is hereby granted, free of charge, to any person obtaining a copy of this specification (the "Specification"), to make use of the Specification without restriction, including without limitation the rights to implement the Specification in a software program, deploy the Specification in a network service, and copy, modify, merge, publish, translate, distribute, sublicense, or sell copies of the Specification, and to permit persons to whom the Specification is furnished to do so, subject to the condition that the foregoing copyright notice and this permission notice shall be included in all copies or substantial portions of the Specification. Unless separate permission is granted, modified works that are redistributed shall not contain misleading information regarding the authors, title, number, or publisher of the Specification, and shall not claim endorsement of the modified works by the authors, any organization or project to which the authors belong, or the XMPP Standards Foundation.

Warranty

NOTE WELL: This Specification is provided on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE.

Liability

In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall the XMPP Standards Foundation or any author of this Specification be liable for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising from, out of, or in connection with the Specification or the implementation, deployment, or other use of the Specification (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if the XMPP Standards Foundation or such author has been advised of the possibility of such damages.

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 <https://xmpp.org/about/xsf/ipr-policy>) or obtained by writing to XMPP Standards Foundation, P.O. Box 787, Parker, CO 80134 USA).

Contents

1	Introduction	1
2	Compliance Levels	1
3	Implementation Notes	2
4	Security Considerations	2
5	IANA Considerations	2
6	XMPP Registrar Considerations	2
7	Acknowledgements	2

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) XEP-0030: Service Discovery <<https://xmpp.org/extensions/xep-0030.html>>.
Entity Capabilities (XEP-0115) XEP-0115: Entity Capabilities <<https://xmpp.org/extensions/xep-0115.html>>.

Jabber Component Protocol (XEP-0114) XEP-0114: Jabber Component Protocol <<https://xmpp.org/extensions/xep-0114.html>>
Blocking Command (XEP-0191) XEP-0191: Blocking Command <<https://xmpp.org/extensions/xep-0191.html>>.
BOSH (XEP-0124) XEP-0124: Bidirectional-streams Over Synchronous HTTP <<https://xmpp.org/extensions/xep-0124.html>>.

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

vcard-temp (XEP-0054) XEP-0054: vcard-temp <<https://xmpp.org/extensions/xep-0054.html>>.

Personal Eventing Protocol (XEP-0163) XEP-0163: Personal Eventing Protocol <<https://xmpp.org/extensions/xep-0163.html>>.
Multi-User Chat (XEP-0045) XEP-0045: Multi-User Chat <<https://xmpp.org/extensions/xep-0045.html>>.

Chat State Notifications (XEP-0085) XEP-0085: Chat State Notifications <<https://xmpp.org/extensions/xep-0085.html>>.
Message Delivery Receipts (XEP-0184) XEP-0184: Message Delivery Receipts <<https://xmpp.org/extensions/xep-0184.html>>.
Stream Management (XEP-0198) XEP-0198: Stream Management <<https://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 <<https://xmpp.org/about/xmpp-standards-foundation>>.

²The XSF neglected to publish compliance suites for 2011; therefore the predecessor to this document is [XMPP Compliance Suites 2010 \(XEP-0270\)](#)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 \(XEP-0178\)](#)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 <<https://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 <<https://xmpp.org/registrar/>>.