



XMPP

XEP-0506: No-reply JIDs

Matthew Wild

<mailto:mwild1@gmail.com>

2025-10-20

Version 0.1.0

Status	Type	Short Name
Experimental	Standards Track	no-reply

This specification defines a way for JIDs to advertise that they don't accept incoming chat messages.

Legal

Copyright

This XMPP Extension Protocol is copyright © 1999 – 2024 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	Requirements	1
3	Use Cases	1
4	Business Rules	1
5	Accessibility Considerations	2
6	Security Considerations	2
7	Privacy Considerations	2
8	IANA Considerations	2
9	XMPP Registrar Considerations	2
10	Design Considerations	3
11	XML Schema	3

1 Introduction

This protocol defines a way for a JID to advertise that it does not accept incoming chat messages. For example, automated services which broadcast messages.

Such an indication allows clients to adapt their user interface accordingly (for example, hiding message input controls), instead of allowing the user to send a message and receive errors. This can improve the user experience and avoid confusion.

2 Requirements

- The protocol should not require clients to perform additional queries.

3 Use Cases

One example use case for this protocol, would be a server which sends welcome messages or other announcements (maintenance, etc.) to its users from its own JID (e.g. 'example.com'). To show that users should not reply to messages sent from this JID, the server advertises `urn:xmpp:noreply:0` in the [Service Discovery \(XEP-0030\)](#)¹ features of that JID (i.e. 'example.com') to indicate this to the clients.

In most cases it is expected that the recipient will learn of the feature using [Entity Capabilities \(XEP-0115\)](#)² rather than performing service discovery just to learn of the no-reply feature. In the case of a server's JID, the entity capabilities are typically communicated to the client in the initial stream features.

4 Business Rules

Any entity which does not accept chat messages should advertise the service discovery feature:

- `urn:xmpp:noreply:0`

In the case that a full JID advertises the no-reply feature, and there are other resources of the same JID which do not advertise the feature, a client SHOULD NOT prevent the user from sending messages (e.g. to other resources or to the bare JID).

Advertising the no-reply feature indicates that a JID does not accept messages. If a JID does accept messages, even if it sometimes sends automated messages, it MUST NOT advertise this feature.

If a JID advertises the feature and receives an incoming message anyway (e.g. from a sender

¹XEP-0030: Service Discovery <<https://xmpp.org/extensions/xep-0030.html>>.

²XEP-0115: Entity Capabilities <<https://xmpp.org/extensions/xep-0115.html>>.

that does not support this XEP) then it SHOULD respond with an error, per the usual processing rules of [RFC 6120](#)³.

The no-reply feature pertains only to chat messages, such as those typically originated from humans. A JID which advertises this feature MAY accept other kinds of messages (for example, a news bot which advertises this feature would still be expected to receive pubsub notifications even though they are conveyed as messages).

5 Accessibility Considerations

There are no known special accessibility considerations for this protocol.
It is expected that it may improve accessibility by simplifying interfaces where possible.

6 Security Considerations

There are no known security considerations for this protocol, beyond those existing in normal service discovery flows.

7 Privacy Considerations

There are no known privacy considerations for this protocol.

8 IANA Considerations

This protocol does not require any interaction with IANA.

9 XMPP Registrar Considerations

This document registers the following service discovery feature:

- urn:xmpp:noreply:0

³RFC 6120: Extensible Messaging and Presence Protocol (XMPP): Core <<http://tools.ietf.org/html/rfc6120>>.

10 Design Considerations

It was debated whether to include the no-reply indication on a per JID, presence or message basis. As most chat clients show an interface featuring an input control per remote JID, and due to the potential optimization afforded by XEP-0115, it was decided to use service discovery.

11 XML Schema

This document defines no new XML elements or attributes.