This specification defines a recommended best practice for linking to JabberIDs from documents hosted on the World Wide Web.
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1 Introduction

HTML 4.0 \(^1\) defines a `<link/>` element that defines a relationship between a document and another resource on the Internet. Such a resource can be a JabberID. Examples include the JabberID of a document author, a Multi-User Chat (XEP-0045) \(^2\) room where the document can be discussed, or a Publish-Subscribe (XEP-0060) \(^3\) node where RSS or Atom feeds related to the document are hosted (e.g., see RFC 4287 \(^4\)). This specification defines a recommended approach for linking to JabberIDs in this way.

2 Link Format

The RECOMMENDED format is as follows.

```
Listing 1: Format

<link
  href='xmpp-uri'
  rel='some-relation'/>
```

The 'href' attribute is REQUIRED and its value MUST be an XMPP URI or IRI that conforms to RFC 5122 \(^5\). The URI SHOULD NOT include an action as described in XMPP URI Query Components (XEP-0147) \(^6\) and registered at <https://xmpp.org/registrar/querytypes.html>, so that the URI can be appropriately dereferenced as described below. The URI MAY include a node key as shown in the examples below.

The 'rel' attribute is RECOMMENDED and its value SHOULD be a link relation as registered in the IANA MIME Atom Link Relations Registry \(^7\) or other registry.

In addition to 'href' and 'rel', the HTML and XHTML specifications define a number of other allowable attributes for the `<link/>` element. These attributes MAY be included. However, because a JabberID is a bare address and there is no hosted media associated with a JabberID, the 'charset', 'media', and 'type' attribute SHOULD NOT be included.

3 Processing

When an application encounters an auto-discovery link to a JabberID, it SHOULD pass it to an appropriate helper application (such as an XMPP client). The helper application then

\(^1\) HTML 4.0 <http://www.w3.org/TR/REC-html40>.


\(^7\) IANA registry of Atom link relations <http://www.iana.org/assignments/link-relations.html>.
SHOULD dereference the URI, and send an XMPP Service Discovery (XEP-0030) request to
the referenced JID, passing the optional node parameter. The service discovery response
therefore enables a full range of future actions.

4 Examples

The following example shows a JabberID that points to the same entity as the document itself
(e.g., the author of an "about-the-author" page).

Listing 2: Link Pointing to an Author

```xml
<link href='xmpp:stpeter@jabber.org' rel='self'/>
```

The following example shows a JabberID that points to a multi-user chat room where the
document can be discussed.

Listing 3: Link Pointing to a Chat Room

```xml
<link href='xmpp:jdev@conference.jabber.org'/>
```

The following example shows a JabberID that points to a publish-subscribe node where
notifications related to the document can be retrieved.

Listing 4: Link Pointing to a Pubsub Node

```xml
<link href='xmpp:pubsub.jabber.org?;node=xeps' rel='alternate'/>
```

5 Security Considerations

Advertising an XMPP address so that it can be automatically discovered may expose that ad-
dress to abusive communications. Care should be taken when choosing whether to advertise
a JID that corresponds to an end user’s primary XMPP address.

6 IANA Considerations

This document currently requires no interaction with the Internet Assigned Numbers Author-
ity (IANA). However, a future version of this specification may register new link relations

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Footnotes:

9The Internet Assigned Numbers Authority (IANA) is the central coordinator for the assignment of unique pa-
ter parameter values for Internet protocols, such as port numbers and URI schemes. For further information, see
<http://www.iana.org/>.
with the IANA.

7 XMPP Registrar Considerations

This document requires no interaction with the XMPP Registrar.¹⁰

¹⁰The 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/>.