XEP-0315: Data Forms XML Element

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This specification defines an XMPP protocol extension for including XML-data in XEP-0004 data forms.
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Contents

1 Introduction 1
2 XML Element 1
3 Usage Practices 2
4 IANA Considerations 2
5 XMPP Registrar Considerations 2
   5.1 Protocol Namespaces 2
6 XML Schema 2
1 Introduction

In certain protocols that make use of Data Forms (XEP-0004)\(^1\), it can be helpful to include XML-data (for example, when we want to insert a big amount of structured data which is hard to insert as a separate fields). This document defines a method for including XML-data in a data form.

2 XML Element

The root element for XML-data is `<wrapper/>`. This element MUST be qualified by the "urn:xmpp:xml-element" namespace. The `<wrapper/>` element MUST be contained within a `<field/>` element qualified by the 'jabber:x:data' namespace. The `<wrapper/>` element SHOULD contain an XML-data which needs to be represented in a form.

Listing 1: PubSub Blog Node Metadata
```
<wrapper xmlns='urn:xmpp:xml-element'>
  <feed xmlns='http://www.w3.org/2005/Atom'>
    <title>Romeo&amp;apos;s Microblog</title>
    <id>tag:montague.lit,2008:home</id>
    <updated>2008-05-08T18:30:02Z</updated>
    <author>
      <name>Romeo Montague</name>
      <uri>xmpp:romeo@montague.lit</uri>
    </author>
  </feed>
</wrapper>
```

Listing 2: Inclusion in Data Form
```
<x xmlns='jabber:x:data' type='form'>
  [ ... ]
</x>
```

\(^1\)XEP-0004: Data Forms <https://xmpp.org/extensions/xep-0004.html>.\[1\]
3 Usage Practices

XML-data is usually hard for manual editing and SHOULD be used only for machine level iterations. So it’s RECOMMENDED to include it in the form as a “hidden” field. However, there are situations when human editing of XML-data may be useful (for example, to see XML-logs of some XMPP-service). In that case it’s RECOMMENDED for a client to represent this XML in a pretty formatted form and give an instruments to make it easier to edit XML-data.

4 IANA Considerations

This document requires no interaction with the Internet Assigned Numbers Authority (IANA) 2.

5 XMPP Registrar Considerations

5.1 Protocol Namespaces

The XMPP Registrar 3 includes “urn:xmpp:xml-element” in its registry of protocol namespaces (see <https://xmpp.org/registrar/namespaces.html>).

6 XML Schema

```
<?xml version='1.0' encoding='UTF-8'?>
<xs:schema
  xmlns:xs='http://www.w3.org/2001/XMLSchema'
  targetNamespace='urn:xmpp:xml-element'
  xmlns='urn:xmpp:xml-element'
  elementFormDefault='qualified'>
```
The protocol documented by this schema is defined in XEP-XXXX: http://www.xmpp.org/extensions/xep-xxxx.html

<xs:element name='wrapper'>
  <xs:complexType>
    <xs:sequence>
      <xs:any minOccurs='0' maxOccurs='unbounded'/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

</xs:schema>