XEP-0382: Spoiler messages

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Experimental	Standards Track	spoilers

This specification defines an XMPP protocol extension that provides a method for indicating a message is a spoiler and should be displayed as such.

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Contents

1 Introduction

Sometimes, people have the need to send large texts related to the current topic but because of their length, make it hard to follow the conversation (specially on mobile devices). On other occasions, people may want to discuss or just make a little quick comment related to a film or a book in a conversation with multiple people that may or may not know the plot. Also, every now and then, people may want to send a private message (in the sense that people near the receiver must not be able to read) or inline images to someone is known is in a public enviroment like libraries, coffehouses, bars, etc.
This specification defines a way to indicate message's content does not have to be displayed until receiver requests to do so.

2 Discovering support

If a client implements spoiler messages, it MUST specify the 'urn:xmpp:spoiler:0' feature in its service discovery information features as specified in Service Discovery (XEP-0030) [1] and the Entity Capabilities profile specified in Entity Capabilities (XEP-0115) [2].

Listing 1: Client requests information about a chat partner's client

```
<iq from='romeo@montague.net/orchard'
    id='disco1'
    to='juliet@capulet.lit/balcony'
    type='get'>
  <query xmlns='http://jabber.org/protocol/disco#info'/>
</iq>
```

Listing 2: Partner's client advertises support for spoiler messages

```
<iq to='romeo@montague.net/orchard'
    id='disco1'
    from='juliet@capulet.lit/balcony'
    type='result'>
  <query xmlns='http://jabber.org/protocol/disco#info'>…

    <feature var='urn:xmpp:spoiler:0'/>…

  </query>
</iq>
```

[1] XEP-0030: Service Discovery <http://xmpp.org/extensions/xep-0030.html>.
[2] XEP-0115: Entity Capabilities <http://xmpp.org/extensions/xep-0115.html>.

3 Use Cases

Messages user wants to be sent as spoilers, MUST contain a <spoiler> element qualified by the 'urn:xmpp:spoiler:0' namespace and optionally, <spoiler> elements may contain character data as a hint that warns about the topic of the spoiler message. They may also possess the 'xml:lang' attribute.

Listing 3: User sends a spoiler message without the hint

```
<message to='romeo@montague.net/orchard' from='juliet@capulet.net/
    balcony' id='spoiler1'>
  <body>This is a very long message so I'm␣going␣to␣hide␣inside␣a␣
      spoiler␣[...]␣</body>
␣␣<spoiler␣xmlns='urn:xmpp:spoiler:0'/>
</message>
```

Listing 4: User sends a spoiler message with the hint

```
<message to='romeo@montague.net/orchard' from='juliet@capulet.net/
    balcony' id='spoiler2'>
  <body>And at the end of the story, both of them die! It is so tragic
      !</body>
  <spoiler xmlns='urn:xmpp:spoiler:0'>Love story end</spoiler>
</message>
```

Listing 5: User sends a spoiler message with the hint in two languages

```
<message to='romeo@montague.net/orchard' from='juliet@capulet.net/
    balcony' id='spoiler3'>
  <body>holidays.png</body>
  <spoiler xml:lang='en' xmlns='urn:xmpp:spoiler:0'>Trip to the beach<
      /spoiler>
  <spoiler xml:lang='ca' xmlns='urn:xmpp:spoiler:0'>Viatge a la platja
      </spoiler>
</message>
```

Listing 6: User sends a spoiler message with the hint and body in two languages

```
<message to='romeo@montague.net/orchard' from='juliet@capulet.net/
    balcony' id='spoiler4'>
  <body xml:lang='en'>And at the end of the story, both of them die!
      It is so tragic!</body>
  <body xml:lang='ca'>I al final de la història, els dos moren! És tan
       tràgic!</body>
  <spoiler xml:lang='en' xmlns='urn:xmpp:spoiler:0'>Love story end</
      spoiler>
  <spoiler xml:lang='ca' xmlns='urn:xmpp:spoiler:0'>Fi de la història
      d'amor</spoiler>
</message>
```

4 Business Rules

1. It MUST be clear that a message is in fact a spoiler and its content MUST only be displayed upon user's request.
2. Clients MAY provide a way to display spoilers always uncovered, without the need of interaction by the user (e.g. in the client's settings).
3. Clients SHOULD display spoiler's hint, if any, before showing message's content.
4. Clients MAY display spoiler's hint even after showing message's content (e.g. as a header or title of the message).
5. Users SHOULD uncover or hide a spoiler message at will, anytime.

5 Security Considerations

This document introduces no additional security considerations above and beyond those defined in the documents on which it depends.

6 IANA Considerations

This document requires no interaction with the Internet Assigned Numbers Authority (IANA) [3].

7 XMPP Registrar Considerations

7.1 Protocol Namespaces

This specification defines the following XML namespace:

- 'urn:xmpp:spoiler:0'

Upon advancement of this specification to draft status, the XMPP Registrar [4] shall include the foregoing namespaces in its registry of protocol namespaces <http://xmpp.org/registrar/namespaces.html> and in its disco features registry

[3] The 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/>.

[4] The 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/>.

<http://xmpp.org/registrar/disco-features.html> as defined in Service Discovery (XEP-0030) [5].

```
<var>
  <name>urn:xmpp:spoiler:0</name>
  <desc>Indicates that a message's content should not be displayed by
      default.</desc>
  <doc>0382</doc>
</var>
```

8 XML Schema

```
<?xml version='1.0' encoding='UTF-8'?>

<xs:schema
    xmlns:xs='http://www.w3.org/2001/XMLSchema'
    targetNamespace='urn:xmpp:spoiler:0'
    xmlns='urn:xmpp:spoiler:0'
    elementFormDefault='qualified'>

  <xs:element name='spoiler'>
    <xs:complexType>
      <xs:simpleContent>
        <xs:extension base='xs:string'>
          <xs:attribute ref='xml:lang' use='optional'/>
        </xs:extension>
      </xs:simpleContent>
    </xs:complexType>
  </xs:element>


</xs:schema>
```

[5] XEP-0030: Service Discovery <http://xmpp.org/extensions/xep-0030.html>.