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1 Introduction

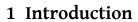
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https://xmpp.org/extensions/xep-0369.html https://xmpp.org/extensions/xep-0

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2.1 Server Identification of MIX Capabable Clients

2.2 Messages From MIX Channels

```
<message from='coven@mix.shakespeare.example/123456'</pre>
         to='hecate@shakespeare.example/UUID-x4r/2491'
         id='77E07BB0-55CF-4BD4-890E-3F7C0E686BBD'
         type='groupchat'>
 <body>Harpier cries: 'tis_time,_'tis time.
 <mix xmlns='urn:xmpp:mix:core:1'>
   <nick>thirdwitch</nick>
   <jid>hag66@shakespeare.example</jid>
 </mix>
</message>
<message from='coven@mix.shakespeare.example/123456'</pre>
        to='hecate@shakespeare.example/UUID-b5b/0114'
         id='77E07BB0-55CF-4BD4-890E-3F7C0E686BBD'
         type='groupchat'>
 <body>Harpier cries: 'tis_time,_'tis time.
 <mix xmlns='urn:xmpp:mix:core:1'>
   <nick>thirdwitch</nick>
   <jid>hag66@shakespeare.example</jid>
 </mix>
</message>
```

#### 2.3 Messages To MIX Channels

### 2.4 Client Determines MIX Capability of Client's Server

```
<iq from='hag66@shakespeare.example/UUID-c8y/1573'
    id='lx09df27'
    type='get'>
    <query xmlns='http://jabber.org/protocol/disco#info'/>
</iq>
<iq id='lx09df27'
    to='hag66@shakespeare.example/UUID-c8y/1573'
    type='result'>
    <query xmlns='http://jabber.org/protocol/disco#info'>
        <feature var='urn:xmpp:mix:pam:2'/>
        <feature var='urn:xmpp:mix:pam:2#archive'/>
        </query>
</iq>
```

### 2.5 MIX Management and Discovery

2.6 MIX Join and Leave Support on Local Server

### 2.7 Joining a Channel

```
<iq type='set'
   from='hag66@shakespeare.example'
   to='coven@mix.shakespeare.example'
   id='E6E10350-76CF-40C6-B91B-1EA08C332FC7'>
   <join xmlns='urn:xmpp:mix:core:1'>
        <subscribe node='urn:xmpp:mix:nodes:messages'/>
        <subscribe node='urn:xmpp:mix:nodes:presence'/>
```

https://xmpp.org/extensions/xep-0369.html https://xmpp.org/extensions/xep-0369.html https://xmpp.org/extensions/xep-0369.html

```
<iq type='result'
    from='coven@mix.shakespeare.example'
    to='hag66@shakespeare.example'
    id='E6E10350-76CF-40C6-B91B-1EA08C332FC7'>
    <join xmlns='urn:xmpp:mix:core:1' jid='123456#coven@mix.shakespeare.
        example'>
        <subscribe node='urn:xmpp:mix:nodes:messages'/>
        <subscribe node='urn:xmpp:mix:nodes:presence'/>
        <subscribe node='urn:xmpp:mix:nodes:participants'/>
        <subscribe node='urn:xmpp:mix:nodes:participants'/>
        <subscribe node='urn:xmpp:mix:nodes:info'/>
        </join>
</iq>
```

https://xmpp.org/extensions/xep-0369.html https://xmpp.org/extensions/xep-0369.html

#### 2.8 Leaving a Channel

```
<iq type='set'
   from='hag66@shakespeare.example'
   to='coven@mix.shakespeare.example'
   id='E6E10350-76CF-40C6-B91B-1EA08C332FC7'>
   <leave xmlns='urn:xmpp:mix:core:1'/>
   </iq>
```

```
<iq type='result'
   from='coven@mix.shakespeare.example'
   to='hag66@shakespeare.example'</pre>
```

https://xmpp.org/extensions/xep-0369.html https://xmpp.org/extensions/xep-0369.html https://xmpp.org/extensions/xep-0369.html https://xmpp.org/extensions/xep-0369.html

```
id='E6E10350-76CF-40C6-B91B-1EA08C332FC7'>
    <leave xmlns='urn:xmpp:mix:core:1'/>
    </iq>
```

```
<iq type='result'
    from='hag66@shakespeare.example'
    to='hag66@shakespeare.example/UUID-a1j/7533'
    id='E6E10350-76CF-40C6-B91B-1EA08C332FC7'>
    <client-leave xmlns='urn:xmpp:mix:pam:2'>
        <leave xmlns='urn:xmpp:mix:core:1'/>
    </client-leave>
</iq>
```

#### 2.9 Roster Management



### 2.9.1 Setting User Presence

https://xmpp.org/extensions/xep-0084.html

https://xmpp.org/extensions/xep-0

403.html

https://xmpp.org/extensions/xep-0045.html https://xmpp.org/extensions/xep-0369.html

#### 2.9.2 Receiving User Presence

2.9.3 Client Coming Online and Obtaining Presence from the Local Server

#### 2.9.4 Going Offline

```
    type='unavailable'
    from='hag66@shakespeare.example/UUID-a1j/7533'
    to='coven@mix.shakespeare.example'/>
```

## 2.10 MIX Roster Item Capability Sharing

```
<iq from='juliet@example.com/balcony'
    id='bv1bs71f'
    type='get'>
    <query xmlns='jabber:iq:roster'>
        <annotate xmlns='urn:xmpp:mix:roster:0'/>
    </query>
</iq>
```

```
<item jid='romeo@example.net'/>
```

```
<item jid='balcony@example.net'>
     <channel xmlns='urn:xmpp:mix:roster:0' participant-id='123456'/>
</item>
```

2.11 MAM Archive Support

2.12 Blocking Considerations

**3 Internationalization Considerations** 

**4 Security Considerations** 

# **5 IANA Considerations**

- **6 XMPP Registrar Considerations**
- 7 XML Schema
- 8 Acknowledgements