

XMPP for CAP

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XMPP Publish-Subscribe Protocol

```
<iq to='pubsub.shakespeare.lit'  
  from='hamlet@denmark.lit/blogbot'  
  type='set'  
  id='publ'>  
  <pubsub xmlns='http://jabber.org/protocol/pubsub'>  
    <publish node='princely_musings'>  
      <item>  
        <entry xmlns='http://www.w3.org/2005/Atom'>  
          <title>Soliloquy</title>  
          <summary>
```

To be, or not to be: that is the question:
Whether 'tis nobler in the mind to suffer
The slings and arrows of outrageous fortune,
Or to take arms against a sea of troubles,
And by opposing end them?

```
          </summary>  
          <link type='text/html'  
            href='http://denmark.lit/2003/12/13/atom03'  
            rel='alternate' />  
          <id>tag:denmark.lit,2003:entry-32397</id>  
          <published>2003-12-13T18:30:02Z</published>  
          <updated>2003-12-13T18:30:02Z</updated>  
        </entry>  
      </item>  
    </publish>  
  </pubsub>  
</iq>
```

From: <http://xmpp.org/extensions/xep-0060.html>

Notify


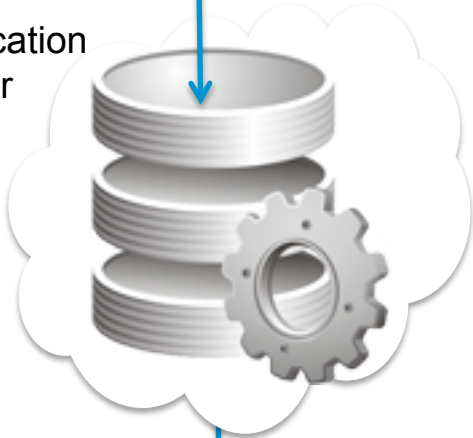
```
<message to='horatio@denmark.lit'  
  from='pubsub.shakespeare.lit'  
  id='baz'>  
  <event xmlns='http://jabber.org/protocol/pubsub#event'>  
    <items node='princely_musings'>  
      <item id='ae890ac52d0df67ed7cfd51b644e901'>  
        [ ... ENTRY ... ]  
      </item>  
    </items>  
  </event>  
</message>
```

```
<message to='bard@shakespeare.lit'  
  from='pubsub.shakespeare.lit'  
  id='fez'>  
  <event xmlns='http://jabber.org/protocol/pubsub#event'>  
    <items node='princely_musings'>  
      <item id='ae890ac52d0df67ed7cfd51b644e901'>  
        [ ... ENTRY ... ]  
      </item>  
    </items>  
  </event>  
</message>
```

Emergency Notification System

Hurricane EARL
As of 0500 PM EDT Thu Sep 02
Advisory #34
Maximum Sustained Winds: 100 knots; 115 mph
Saffir-Simpson Category 3
Minimum Central Pressure: 947 mb
Located at: 32.5N 75.2W
Movement: north at 16 knots; 18 mph

Notification Server



**National Hurricane Center
Publish Node**

Subscribers



United States Coast Guard
U.S. Department of Homeland Security



FEMA

NATIONAL GUARD 



Publish
real-time
alert

Icons: <http://dryicons.com>

Extensibility Example: Message

Example, CAP, [XEP-0127](#):

```
<message to='weatherbot@jabber.org'  
        from='KSTO@NWS.NOAA.GOV'>  
  <alert xmlns='http://www.incident.com/cap/1.0'>  
    <identifier>KSTO1055887203</identifier>  
    <sent>2003-06-17T14:57:00-07:00</sent>  
    <info>  
      <category>Met</category>  
      <event>SEVERE THUNDERSTORM</event>  
    ...  
  </info>  
</alert>  
</message>
```