

XMPP as MOM

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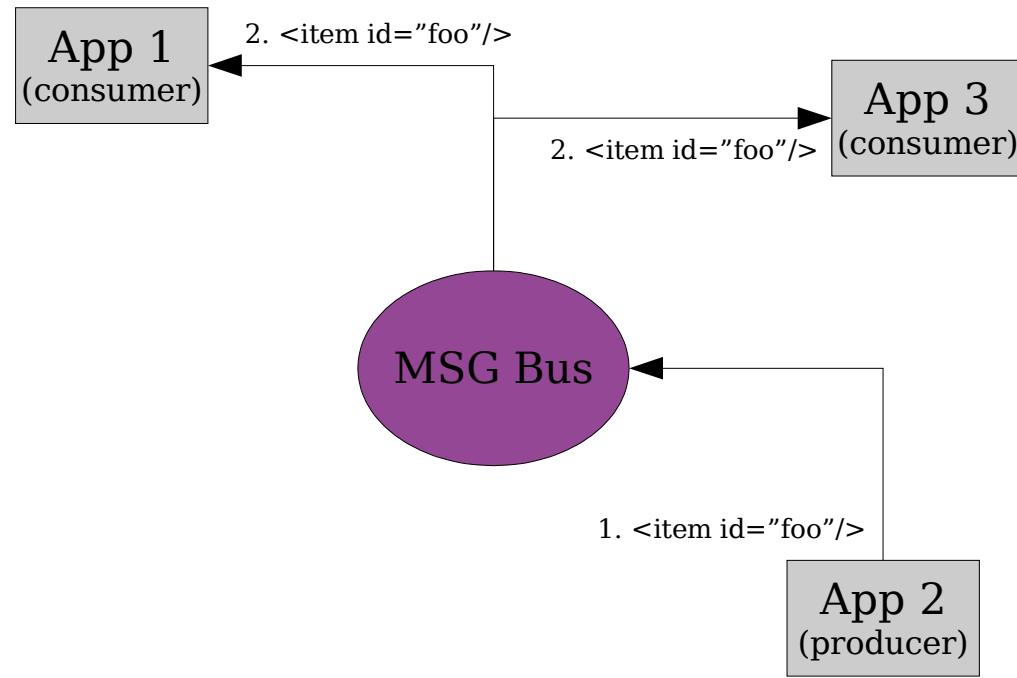
MOM

- Message Oriented Middleware
- Asynchronous inter-application communication.
- Buzzword circus:
 - JMS
 - MQ Series (aka Websphere MQ)
 - XML-Blaster

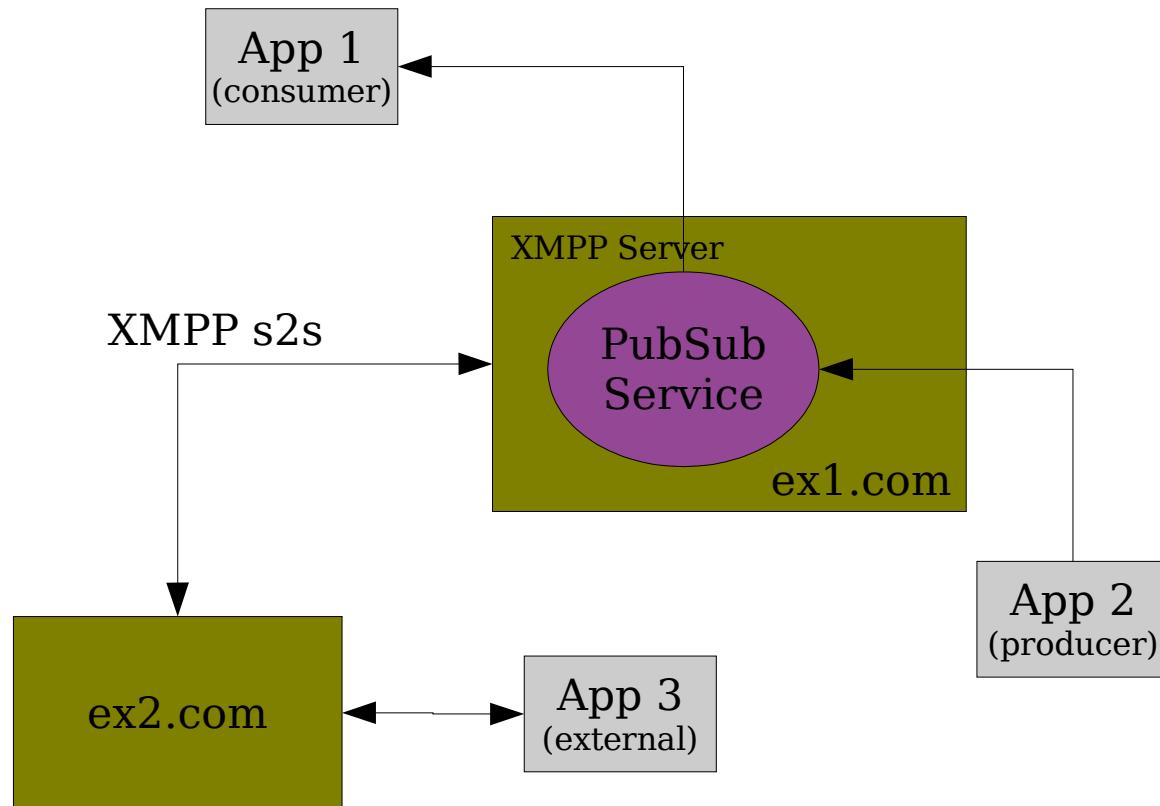
XMPP PubSub

- XMPP
 - IETF core standard documents
 - Jabber Foundation Extension Proposal (JEP) suite of extensions to the core
- XMPP Publish-Subscribe
 - JEP 0060 (XMPP extension)
 - Publish any XML-based content

The idea...



Using PubSub



Stuff you get for free

- Pluggable authentication (SASL).
- Hop-by-hop security (TLS+XMPP s2s).
- E2E security (S/MIME).
- Both forward and store-and-forward mode (offline queing of messages).
- Use any jabber client to administrate your agents.

What I am doing right now...

- JEvent.pm
 - Client framework using Net::XMPP and Net::SPOCP.
 - Event-driven loop (consumer & producer)
- xmppjca
 - JCA 1.5 provider (J2EE 1.4) for XMPP
 - Allows EJBs to communicate with other components using the message bus.

References

- <http://www.spocp.org>
 - Authorization backend
- <http://www.jabber.org>
 - JEPs
 - XMPP software
- <http://devel.it.su.se>
 - JEvent & xmppjca (rsn)