

***:96 Overheads**

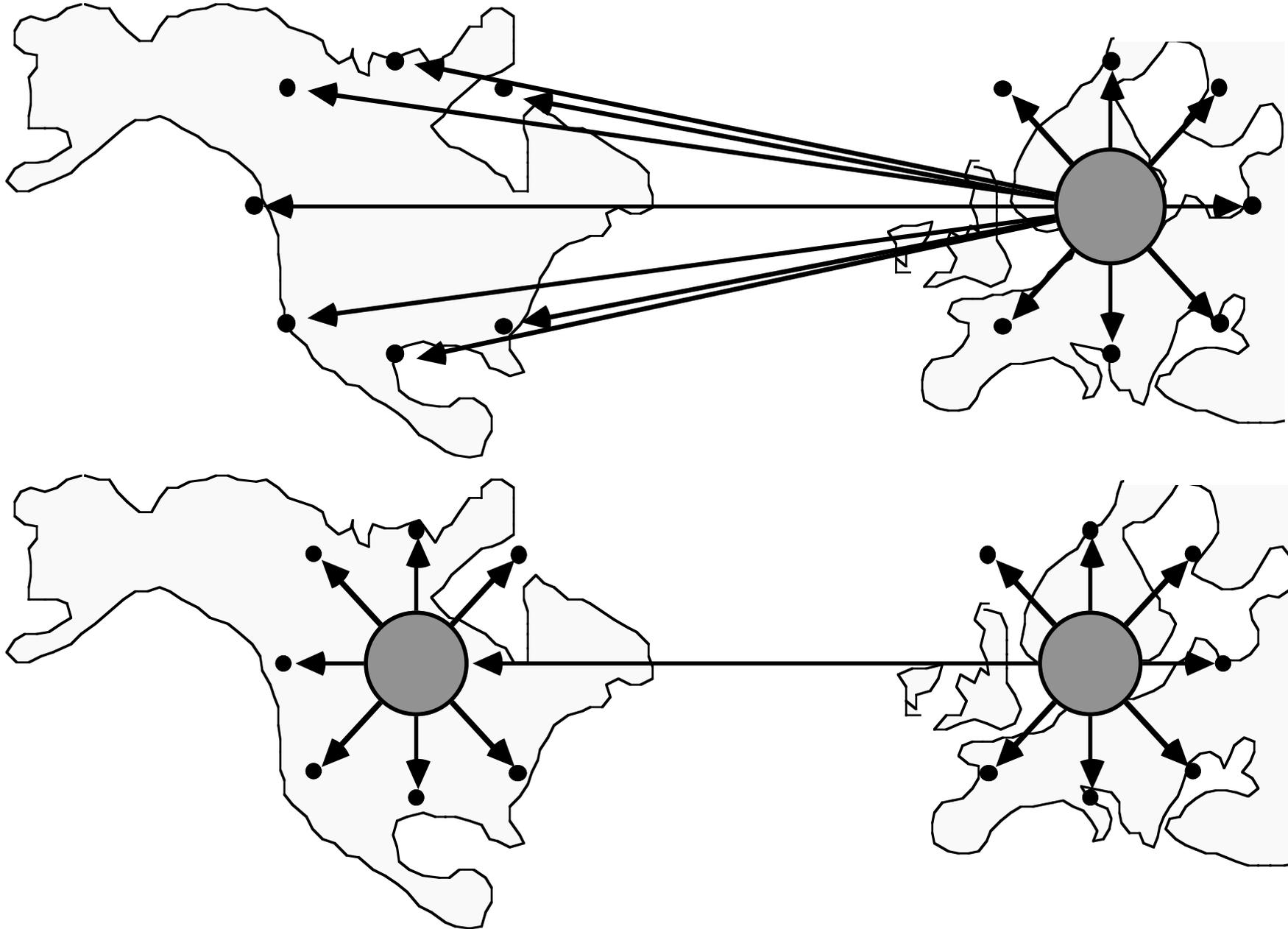
Part 3d: Mailing lists

More about this course about Internet application protocols can be found at URL:

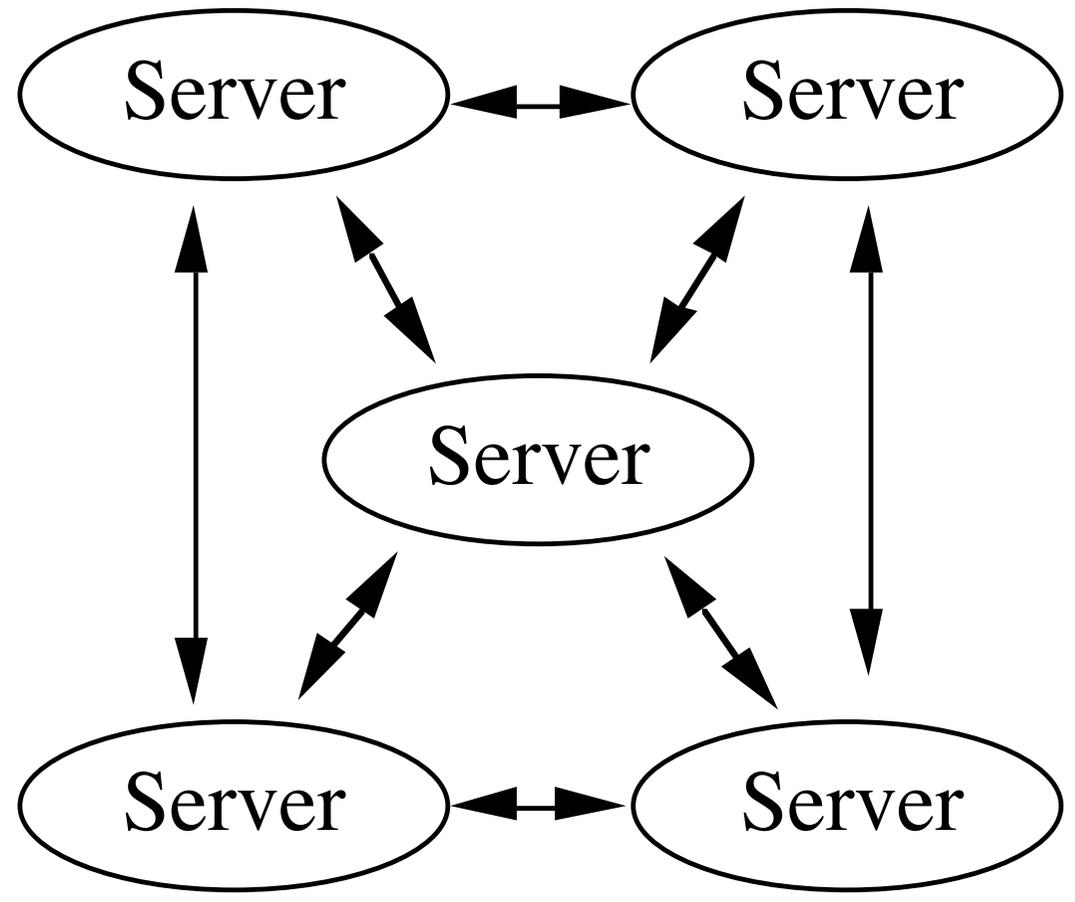
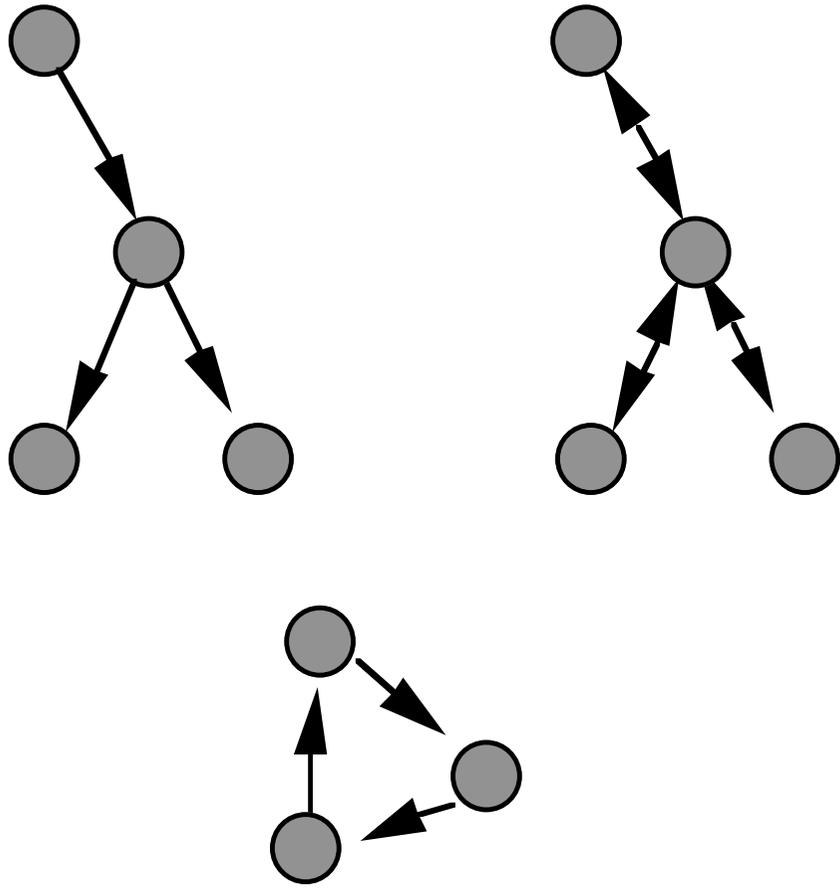
`http://www.dsv.su.se/jpalme/internet-course/Int-app-prot-kurs.html`

Last update: 23 Dec 2005

Nested distribution lists

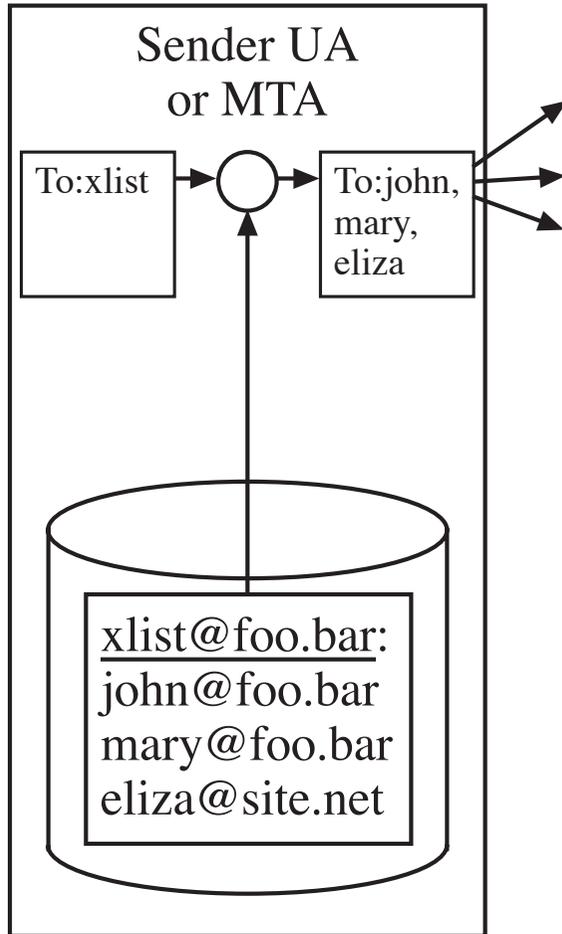


Modes of distribution to many recipients

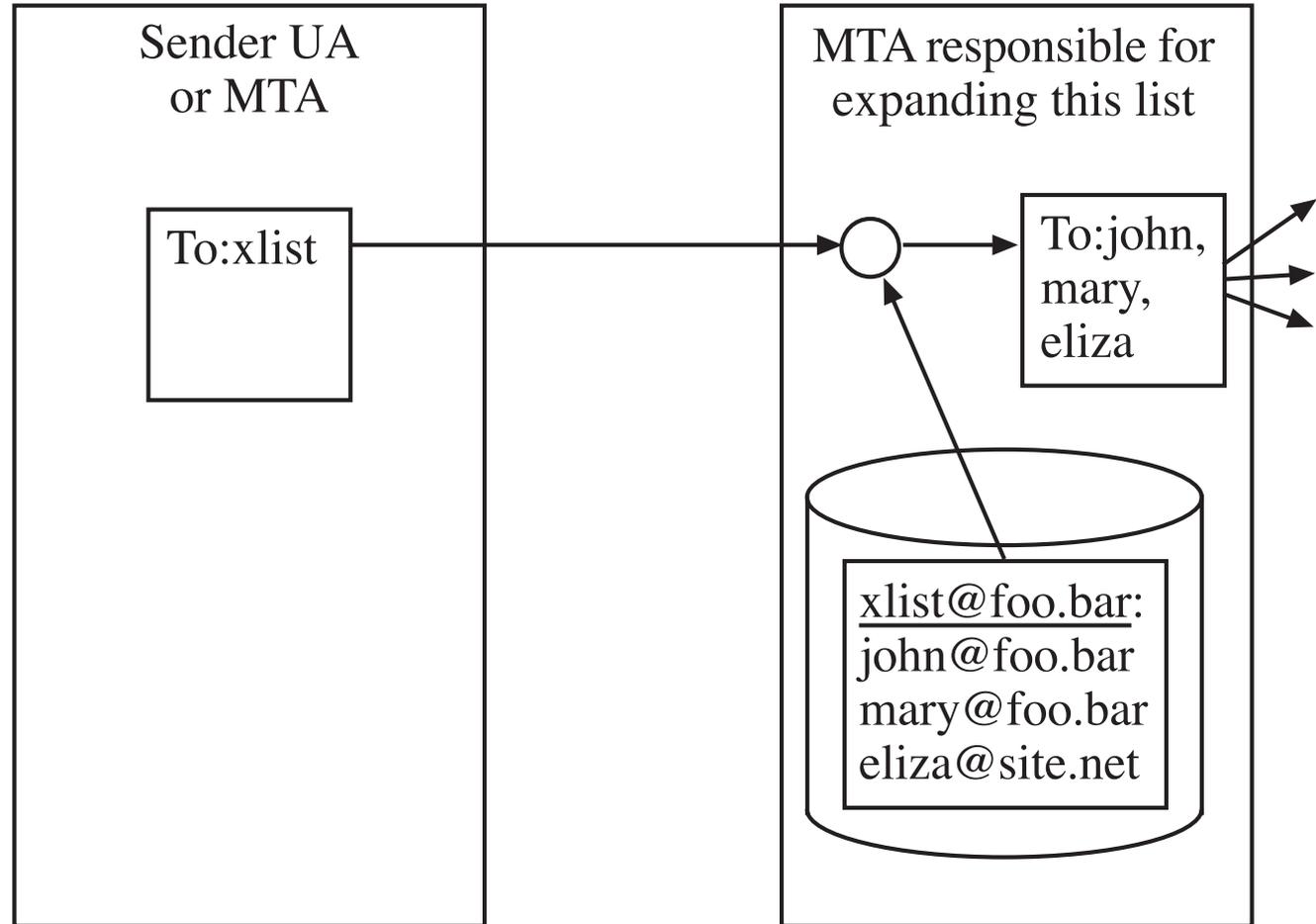


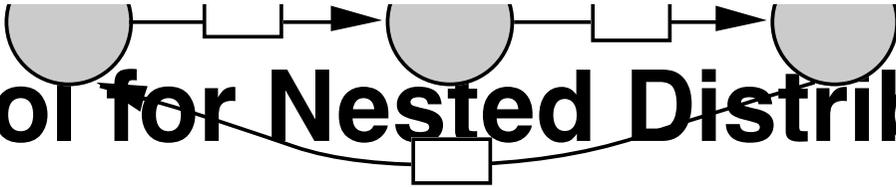
Expansion of Nested Mailing Lists

Personal mailing list,
expanded before sending



Shared mailing list, expanded at the MTA
responsible for this mailing list





Loop control for Nested Distribution Lists

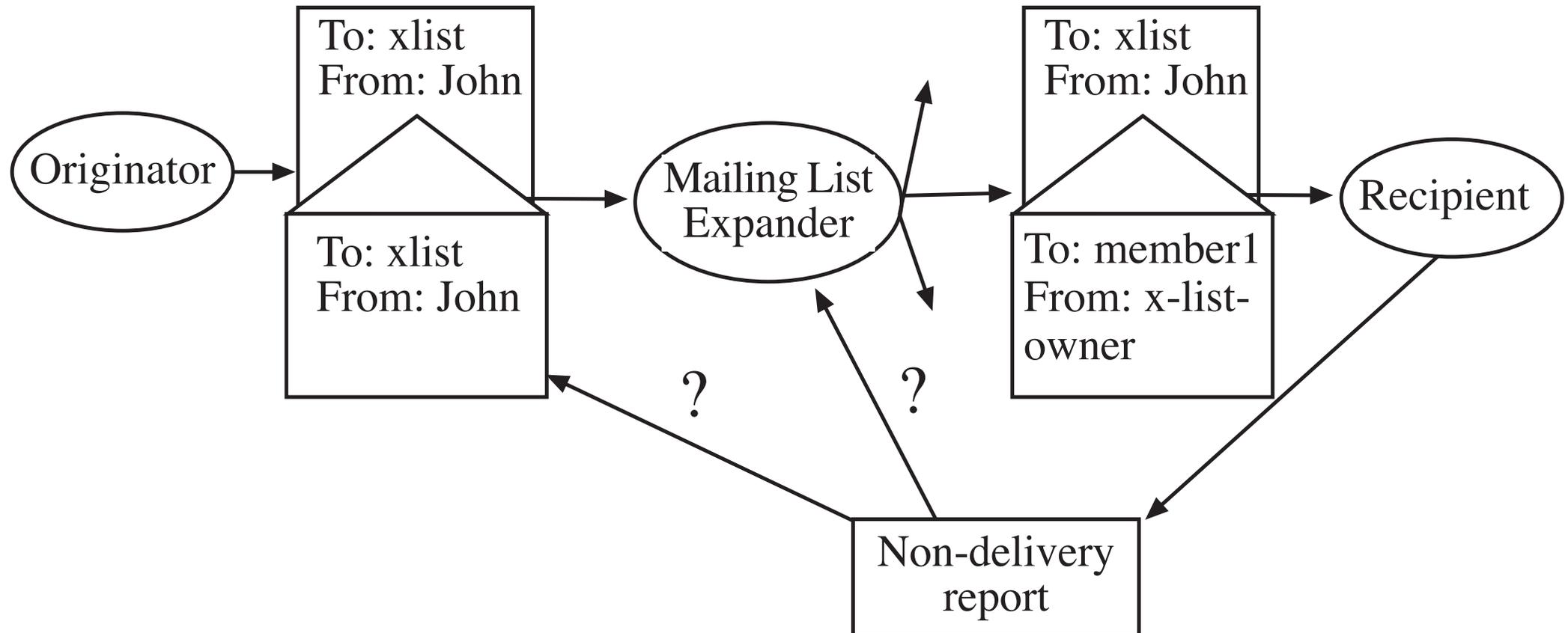
- (1) Full expansion by the originating UA or MTA.
- (2a) Trace list on the envelope, use to stop incoming messages.
- (2b) Trace list on the envelope, use to stop outgoing messages.
- (3) Registration system.
- (4a) Storing Message-ID-s with DL expanders.
- (4b) Storing content checksums with DL expanders.

X.400: Primarily 2a, Listserv: 4a and 4b, Usenet News: 4a

Mailing Lists in Internet Mail

- No standardized loop control for nested lists
- “-request”-convention
- SMTP sender = address of list maintainer
Non-delivery reports sent to SMTP sender

Note: Compare with Aliases



List Headers (RFC 2369)

Meta-standard! Not specify a protocol, but specify how a mail header can specify a protocol for common actions on mailing lists:

List-Subscribe: <mailto:ietf-xml-mime-request@imc.org?body=subscribe>

List-Unsubscribe: <mailto:ietf-xml-mime-request@imc.org?body=unsubscribe>

List-Help: <http://www.imc.org/ietf-xml-mime/>

List-Archive: <http://www.imc.org/ietf-xml-mime/mail-archive/>

List-ID: <ietf-xml-mime.imc.org>

Reply-To controversy

Original
sender:

`Reply-To: My assistant ...`

Mailing
list:

`Reply-To: This mailing list ...`

Mail programs often have two reply commands, “Reply to Sender” and “Reply to all”. How should these two commands interpret the “Reply-To” header??

Gatewaying Usenet News to Mailing Lists

In Usenet news, the “Newsgroups” header indicates the name of the Newsgroup(s) to which this contribution was sent. Example:

`Newsgroups: alt.sex.fetisches.feet`

Some newsreaders provide a facility to answer personally by e-mail to only the author of a message. They sometimes copy the Newsgroups header to such answers.

Some gateways between Usenet news and e-Mail copy the Newsgroups header to the mail copy of a message, to indicate which newsgroups it comes from.

Thus: The Newsgroups header has two different interpretations:

1. The newsgroup to which this message was also sent
2. The newsgroup of the message, which this is a personal reply to.