How to get control over email?

Patrík Fältström Internet Archítecture Board paf@císco.com

Given a hammer, where are the nails?

My view is that people attack the spam problem from the wrong angle
Look for a solution

Fine-tune it

SPAM SPAM

Look for a problem the solution solves

Alternative method

Look at the problem
Agree on what the problem is
Find a solution to the problem

How is SMTP used?

In many ways...
Between many different entities...
Spam, worms, trojans etc are injected in a "proper" mail flow...
How, when where?

A3 (receiving domain after forwarding or mailing list explosion)





Technical solution?

- We can only do a limited number of things to "email" as we know it today One thing is "authentication of sender" Fhe IETF is looking into this now It can minimize the number of false sender addresses
- Alternative is a new protocol

Two kind of proposals

Signing mail (authenticate sender)
"Reverse MX" and other (DNS) based

Followup issues

 Proposals will "just" make it possible to know who the mail comes from

 Proposals work on envelope sender, but many people working with anti-spam don't know the difference, or want to secure header-from...

• (which I see as a much harder problem due to mailing lists etc)



...we need:
Technical methods to track violators
Legislation
Police (etc) which do the tracking

IETF (etc) only work with the 1st of these

Patrik Fältström

paf@císco.com

