

« *networking the networkers* »



E-mail Quality
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'Sophisticated' user base

- › Academic
- › Weird e-mail clients
- › Linux
- › IPv6

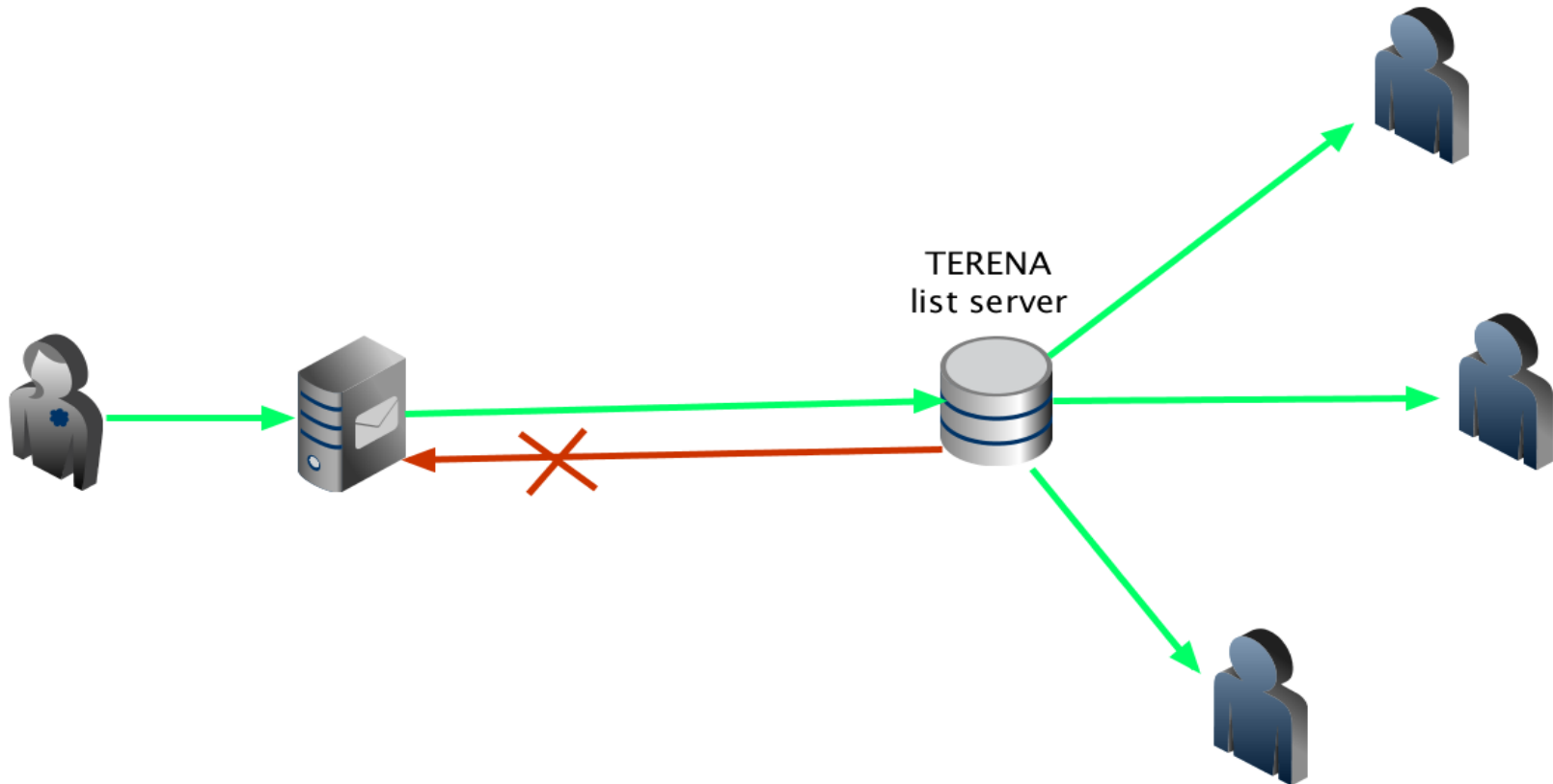


Applications

- › Regular e-mail
- › Mailing lists
- › Web applications that send e-mail



What was happening?





Rationale

“Spam emails sent to mailing lists with senior management are not taken very kindly and we are expected to take action.”



Root cause analysis

- › E-mail list authentication is trivial/non-existent
- › Spammer (accidentally) uses the ~~right~~ wrong From: address
- › List gets spammed
- › List happens to include “senior managers”
- › Who insist on fix
- › Admins have to obey and create overzealous fix
- › All users experience crippled e-mail service



Binary decisions are evil

- › If sender domain does not have influence on it
 - › Blacklists
- › Yes or No leaves no room for “Maybe, let’s see”
 - › Dick 😊
- › Weighted score based systems are better
 - › Spamassassin



Binary decisions are good

- › If sender domain has some way of controlling the decisions made by receiving servers.
- › Publishing information in DNS:
 - › SPF (requires known infrastructure etc)
 - v=spf1 mx
 - ip4:192.87.30.0/26
 - ip6:2001:610:148:dead::/64
 - ip4:82.94.241.0/28
 - ip4:194.171.167.240/28
 - all
 - › DKIM (requires even more)