

Spam: Are there any technical solutions from ISPs?

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EuroISPA: An Introduction

- **Established on 7 August 1997**
- **Pan European association of ISP associations from the EU Member States**
 - EuroISPA Council = 1 representative of each national ISPA
- **Largest ISP association in the world**
 - Approximately 800 ISPs represented
- **The voice of the EU's ISP Industry**

EuroISPA: Members & Partners

Full Members

-  **AEPSI**
-  **AFA**
-  **AIIP**
-  **ISPA Austria**
-  **ECO Forum**
-  **ISPAI**
-  **ISPA Luxembourg**
-  **ISPA UK**
-  **NLIP**

Associate Member

[LINX](#) - London Internet Exchange

International Partners

[US ISPA](#) - United States Internet Service Providers Association

[APIA](#) - Asia & Pacific Internet Association

[IIA](#) - Australian Internet Industry Association

[CAIP](#) - Canadian Association of Internet Providers

[HKISPA](#) - Hong Kong Internet Service Providers Association

[TELESA](#) - Telecom Services Association, Japan

[ISPA SA](#) - Internet Service Providers Association South Africa

[ECOMLAC](#) - Latin America and Caribbean Federation for Internet and Electronic Commerce

[APJII](#) - Indonesian Internet Service Providers Association

Why do ISPs need to prevent spam?

- Spam costs a lot to ISPs
- It endangers ISPs servers
- Spam undermines users' trust in the e-mail medium
- It generates dissatisfaction for Internet users

How to prevent spam?

ISPs use various measures:

- **Test of compliance with RFC 2821**
- **Use of filters by ISPs**

Compliance with RFCs

- **RFC 2821**
 - Defines how SMTP works
 - The A or MX RR must exist
 - The server must not be open relay
- **RFCs 2505 & 2635**
 - Provide anti-spam recommendations for mail transfer agents
 - And to the Internet community

Use of filters

- **Heuristic filters**
 - Good filtering rate
 - Requires regular updates
- **Bayesian filters**
 - Those filters are faster
 - They require a training period

Are those solutions efficient?

- **Internet users still receive spam**
- **The issue of false positives**

What can be done?

- **Actions by ISPs need to be combined with actions by users**
- **ISPs need to be empowered to sue spammers**
- **International cooperation is necessary**

Thank you for your attention



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