



中国互联网协会
Internet Society of China

International Anti-Spam Cooperation & Building Relevant Standard

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Introduction-1

Mr. LI Yuxiao

In 2002, we establish Anti-Spam Coordination Team of ISC, which includes network operators, mail service suppliers, manufacturers and researchers, to do anti-spam work in China.

- With the spam spreading in the global Internet, the governments, Internet industry and relevant organizations all over the world have carried out numerous solutions to deal with spam. However, the spam increasing trend still could not be controlled effectively. Therefore, deep analyses and discussion for the future anti-spam work are certainly needed to be done in time.
- I am the Director of Anti-Spam Coordination Team of Internet Society of China, took office as the director of Secretariat of Internet Society of China (ISC) on May 25th, 2001, also as one of the main initiators to establish ISC.



Introduction-2

- E-mail make it easy for people to use Internet, but spam became a large barrier when people get online.
- The spam problem is broad and variety, it is hard to be settled down easily.
- Because of different language used in different countries, the technology and methods used are also quite different with their own characteristics.
- The net abuse used by minorities is impinging majorities' normal communication right.



Topic for Discussion

- **Present anti-spam situations in China**
- **Suggestions on International Anti-Spam Cooperation**
- **Necessity for Building Anti-Spam International Standard**



Present Spam Situation in China

In April, we took a large scale investigation on spams in China. The statistics show:

- **Each Chinese netizen, per week,**
- **Sending 9.8 e-mails,**
- **Receiving 12.6 regular e-mails,**
- **Receiving 19.3 spams.**

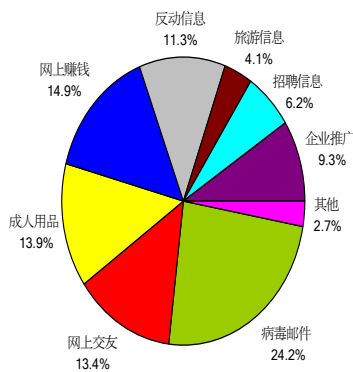
(The proportion of spam is 60.5% of the whole mails, 49% higher than 2003.)

- **The Chinese spam received by netizens is decreased from 65% to 56%, on the contrary English spam increased from 30% to 41%.**



Present Spam Situation in China

用户收到的垃圾邮件种类



- Most of the spam contain virus, some are making friends and selling sex tools, the rest are for profit, illegal information, travel adv., job offer or hunting and other adv.
- E-mail service providers have done a lot as a defense, but they could only filtered 50% spam because of the large quantity.
- Large amount of Chinese IP were listed in other countries' black lists.

Solutions Carried out by ISC

Spam Definition

- ✦ Unsolicited advertisements, e-publications, or any other kinds of tendentious e-mail.
- ✦ E-mails could not be refused to receive.
- ✦ Hiding the name and address of the senders or subjects.
- ✦ With false information resource, false routers of the senders.

- Build Anti-Spam Criterion, accepted by Chinese Internet industry;
- Build Anti-Spam Electronic Report Platform, Declare Black List four successively, causing response in China;
- Organized to cancel OPEN-RELAY function, made great reduction to OPEN-RELAY servers;
- Provide Anti-Spam Guidance to the public;
- Organized local Internet societies and E-mail service providers to deal with spam;
- Organized research work for Anti-Spam Legislation and administration, and made relevant suggestions to the government;
- Held forums to discuss anti-spam technology and relevant communications;
- Draw E-mail Service Criterion
-



Actions from Chinese Government

- Organizing united anti-spam actions;
- To draft relevant legislations;
- Promoting Internet information service criterion;
- Supporting to Internet industry associations, enterprises and practitioners.



Actions from Chinese Internet Industries

- China Telecom made anti-spam measure in 2000;
- CERNET publicized administration provision on refraining spam in 2002;
- Most Chinese public e-mail service providers take technologies to against spam, especially giant servers with millions of subscribers;
- Giant enterprises set anti-spam software in their servers
- Take actions on the servers which are in the black list declared by other countries;
- Developed technical products for different users.



Anti-Spam Technology (1)

Traditional Tech:

- Turn off Open Relay function
- White & Black List (Static State)
- Filtering (Static State)
- RBL (Dynamic) and its Update Version
- Broadband and Connection Control
- Repeated e-mail control



Anti-Spam Technology (2)

New Tech:

- Challenge-Response
- Bayesian Analyzing
- Distributing Finger Print Analyzing
- Centralized Contents Analyzing



Present Problems

LI Yuxiao:

How on earth to protect users' right? Look through the casual American legislation, it could only cause the flowage of spam. Then, will strict regulations interfere users's right and freedom?

- International cooperation is definitely needed besides legislation, governance and technology.
- Puzzles – Black Lists are not updated in time, causing block for common e-mail communications;
- Consideration on Legislation (Protecting both senders & receivers' legal right)
- Technical Measures
- Mail-list, dynamic ip and bulkmail software
- Influence on normal network communication, as e-business, e-mail service

Message - Microsoft Internet Explorer

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移动到: 发件箱 确定

发件人: "黄艳红" (huangyand35.cn)
收件人: "李欲晓" (lyx@isc.org.cn)
日期: 2004-06-29 17:01:59
主题: Re: Re: 征求意见

李欲晓您好!

首先非常感谢您对此事的关注!
我共有20多个IP, 被列入黑名单的数量, 这要看哪些组织提供的黑名单, 全球3000多个组织提供黑名单, 我们上次提供的那个表仅仅是比较有名的组织, 像spams.org, 我们即IP全部都在里面, 我们在德国、俄罗斯等西欧国家的信经家那里, 这些可能用的大多是本国内的一些组织提供黑名单。

受影响的IP都是与国外有往来的用户, 这类用户可能占了3%-5%, 还不包括潜在的与国外往来的这部分用户。
我们服务器每天进出的流量作具体统计, 每台平均10万左右。

发出多少垃圾的这个很难取得数据, 但可以保证的是用户从我们服务器难以产生大量的垃圾邮件。

除了DNS可以通过vab提示完成解封处理外, 其他的都没有, 无法也没有处理。

谢谢!

黄艳红 (ARELL)
质控部 经理
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完毕

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移动到: 发件箱 确定

发件人: "黄艳红" (huangyand35.cn)
收件人: "李欲晓" (lyx@isc.org.cn)
日期: 2004-06-29 17:01:59
主题: Re: Re: 征求意见

李欲晓您好!

首先非常感谢您对此事的关注!
我共有20多个IP, 被列入黑名单的数量, 这要看哪些组织提供的黑名单, 全球3000多个组织提供黑名单, 我们上次提供的那个表仅仅是比较有名的组织, 像spams.org, 我们即IP全部都在里面, 我们在德国、俄罗斯等西欧国家的信经家那里, 这些可能用的大多是本国内的一些组织提供黑名单。

受影响的IP都是与国外有往来的用户, 这类用户可能占了3%-5%, 还不包括潜在的与国外往来的这部分用户。
我们服务器每天进出的流量作具体统计, 每台平均10万左右。

发出多少垃圾的这个很难取得数据, 但可以保证的是用户从我们服务器难以产生大量的垃圾邮件。

除了DNS可以通过vab提示完成解封处理外, 其他的都没有, 无法也没有处理。

谢谢!

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绝大部分网段被封而影响, 只有1-2个是个自己邮局服务器上用户发的信引起的, 不过这类的信也是经过验证, 而且总量也就几百上千封而已, 大批量的垃圾从我们服务器出来是不太可能的, 这类被封后解除也很难, 有一些组织是自动解除的, 更多的是无法解除。与他们联系一般没什么结果, 很多组织都要求IDC (IT管理者) 协助来操作, 但IDC这方面处理起来很困难, 导致一直无法解封。比较容易解封到并有结果解封。

受影响的IP有几十万, 最终导致这些用户不满, 对用户的损失难以计算。
我们只能更换IP 或通过国外服务器中转, 导致服务成本增加及用户极为不满。
此类情况时有发生, 不过近期国外要求反向解析问题比较明显, 而国内做反向解析很少, 对于国际内的信件往来很不利。我们有要求一些有权限做反向解析的ISP这些事情, 这也碰上很多困难, 像厦门电信, 很长时间以来无法帮我们解决反向解析的问题。

1. 希望哪些内容成为反垃圾邮件的标准? 协议, 如果有好的协议是解决问题的根本。
2. 从我国用户的使用情况和反映来看, 哪些反垃圾邮件技术更受欢迎? 我看是免费的技术受欢迎, 比如foxmail自带的, 一些客户端的基于一些算法做的过滤。目前仅关键词过滤已经很难过滤自己想过滤的邮件

谢谢!

黄艳红 (ARELL)
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Microsoft Word

网络 垃圾邮件爆发次数(往欧美) 封堵的IP地址数

安徽电信	5	257
重庆电信	37	12800
广东电信	30	1560
河南电信	2	257
四川电信	7	262
上海电信	4	514
陕西电信	2	2
合计(电信)	87	15652
重庆网通	5	12545
广东网通	1	1
广州网通	1	512
黑龙江网通	2	512
深圳网通	1	256
cncgroup-zh	1	1
浙江网通	2	2

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发件人: 李欲晓 (lyx@isc.org.cn)

地址簿: ?OPTIONVALUE="秘书处"秘书处 收件人: 抄 送: 密 送:

收件人: "danan" <danan@rtanlinux.com.cn>

抄 送:

密 送:

回 复:

标 题: Re: Re: Re: 征求意见

说: >> 对于邮件/邮箱服务提供商: >>
>>> 对于邮件/邮箱服务提供商: >> 1、采取了那些反垃圾邮件措施, 那些措施比较有效, 过滤垃圾邮件的比例是多少? > 使用Clearswift的Spam Active, 主要采取了(1)黑名单(2)智能过滤(3)特定关键词过滤, 上述三种措施合计拦截率约在3%。
>>> 2、对与垃圾邮件过滤(简体中文词典) 什么, 目前治理垃圾邮件主要的问题是什么? > 过滤(简体中文词典) 过滤技术有待完善, 一定程度的误报和漏报需要, 过滤技术有待完善, 一定程度的误报和漏报需要, 不是长久之计。即精



Key Point in International Cooperation (1)

- Forming Global United Anti-Spam Constitution in equal, fair and justice atmosphere.
- Building effective Coordination Mechanism among all anti-Spam organizations
- Different national governments, service providers and research institutes should communicate with anti-spam organizations in terms of legislation, governance and technology.



Key Point in International Cooperation (2)

- Since the cost for anti-spam is giant, government, industry organizations, enterprises and subscribers should share the cost.
- The Anti-Spam work is a long term program, legislation and technology could not solve spam problem in short time. International cooperation, R&D on technical software and slowing down the spread of spam are necessities.

Necessity to Form Technical and Service Standard

- The present situation, there is no network service standard, restricts the development of Internet and interfere netizens using Internet service;
- With the popularization of Internet technology and applications, the existing protocols are not feasible to further develop network;
- Standard especially needed in the field of e-mail service and anti-spam technical product R&D;
- The Black Lists declared by anti-spam organizations needed to be standardized gradually, to avoid casually block innocent servers.



Present Considering Contents

- Black List & White List
- Virus Filtering
- Multi-Character Set, Multi-Lingual, and Multi-Code Supporting
- Criterion for Sending and Receiving E-mails
- Building Senders Accreditation System



Our Purpose

- To protect Internet subscribers' right for using the service normally, to ensure that users could receive regular mails, and provide opportunities for them to refuse unsolicited e-mails.
- To make sure that every network service providers could provide normal service to their subscribers and make interest.
- To build Internet a trusted network and a friend to everyone in their work and life.
- Therefore, Internet needed to be governed, regulated, standardized and international cooperated.

We Want -- More Cooperation

- Any solutions, cooperation, especially on anti-spam are welcome.
- We will promote Chinese e-mails service criterion, and cooperated with international colleagues to work for e-mail popularities and applications.
- We will endeavor to create healthy network circumstance for the network development and applications.



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