Mail filtering options with the CORVID System

presented by Beth Lynn Eicher

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Agenda

- SCS Facilities News 10 minutes
- Today's Tech Talk: "Mail filtering options in the CORVID System" 20 minutes
- Questions and Answers 10 minutes
- CMU System Administrator of the Month
SCS Facilities News (Part 1)

Machine room AC update

- 5 AC units to arrive this week
- To be installed next week... stay tuned
SCS Facilities News (Part 2)
Reorganization

➢ Creation of the Enterprise Services Group
  ➢ Tod Pike manager
  ➢ Rob Omera AFS Administrator
  ➢ Paul Mazaitis Email Services
  ➢ Ken Tew Applications Support
➢ Brian Kolher moved to the PC Engineering Group
➢ Unix Engineering is in search of a manager
SCS Facilities News (Part 3)

Format of the SCS Admins Meeting

➢ More to the point 45 minute goal
➢ Forum to network
➢ Request for comment

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Main talk

Mail filtering options with the CORVID System
How Corvid filters spam by default

➢ Sophos places a “X-Spam-Warning” tag in the email header

X-Spam-Warning: Probability: 99% KNOWN_SPAM_CONTENT 8...

➢ The default Sieve script filters the messages with the X-Spam-Warning in the spam folder
Learning about Sieve

- How to pronounce
- What is Sieve?
  - a filtering scripting language for email
- What does it do?
  - filters mail based on any header tag
  - whitelists and blacklists
  - redirect mail to another email address
  - “vacation” message service
Three ways to edit and implement Sieve scripts with Corvid

➢ Avel Sieve – in Squirrel Mail, click on Options, click on Message Filters
➢ Sieve Shell - /usr/local/bin/sieveshell
➢ Websieve - http://webmail.cs.cmu.edu/websieve
Default Sieve Script

if
header :matches "X-Spam-Warning" "*"
{
fileinto "INBOX.SPAM";
}"
Simple Examples with Webseive

➢ Whitelist (Accept List)
➢ Blacklist (Filter List)
➢ Vacation
Advanced Example #1

**move virus tagged “PMX:Virus”**

```plaintext
# Move PMX:VIRUS messages into a dedicated folder
elsif header :contains "Subject" "PMX:VIRUS"
{
  fileinto "INBOX.VIRUS";
}
```

Puremessage places the PMX:VIRUS tag
Advanced Example #2

Mail To: some other address

➢ Keep mailing list discussions out of your general INBOX, but LIST_ID header might be better
➢ Create a special folder for mail from other accounts forwarded to your CS mail

# Put mail from the SCS-all mailing list into a folder:
#
if header :contains "To" "scs-all@cs.cmu.edu" {  
  fileinto "INBOX.scsall";
}

How to help help@cs

➢ If you have a question as to why a piece of mail was filtered, please send us the full headers
➢ If you have a client-side SPAM filter, let us know if you want us to debug filtering behavior
➢ Give us feedback on Websieve
Questions?

✔ How SPAM filtering works by default in Corvid
✔ What Sieve is
✔ Options for editing your Sieve scripts
✔ How to use Websieve
✔ Suggested Sieve uses

? Anything that was not covered
CMU Sysadmin of the Month

Duncan Hutty
of
Electrical Computing Engineering Computing Facilities