SIEVE Mail Filtering WG

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Agenda

• Document status review (10 mins)
• WG Status review (10 mins)
• Notary (draft-freed-sieve-notary-05) (5 mins)
• Notify SIP (draft-ietf-sieve-notify-sip-message-01) (5 mins)
• Include (draft-sieve-include-02) (20 mins)
• IMAP/SIEVE (draft-ietf-lemonade-imap-sieve-06) (30 mins)
• External lists (draft-melnikov-sieve-external-lists-02) (30 mins)
• RegEx Discussion (20 mins)
• Auto-reply (draft-george-sieve-autoreply-00) (5 mins)
• EAI Issues (5 mins)
• Benefits of SIEVE (10 mins)

• Total: 150 mins
Document Status

• Published!!
  – 5490 (IMAPEXT-METADATA)

• RFC Editor Queue:
  – ManageSIEVE (still)

• IESG processing:
  – MIME Loops (new document produced)
  – SIEVE-in-xml (in IETF last call)

• Others:
  – Will talk about shortly...
Working Group Status

• Since Last Time:
  – New drafts for MIME loops and include
  – IESG Last Calls on SIEVE-in-XML

• Still need action on:
  – RegEx
  – External Lists
  – EAI Issues
  – Benefits of SIEVE
  – Test scripts

• Aaron has taken over from Alexey as co-chair of SIEVE.
Notary

• New draft available: draft-freed-sieve-notary-05.txt
• envelope-deliverby and redirect-deliverby extensions added
• Probably need another WGLC to cover those changes
• So, 2 week WGLC on draft-freed-sieve-notary-05 starts today
Notify SIP

- draft-ietf-sieve-notify-sip-message-01.txt
- Still waiting on RAI review?
Include

• New draft: draft-sieve-include-02
• Changes:
  – Require that script names must be constant strings, not subject to variable expansion.
  – Use the phrase “immediate script” instead of “current script”.
  – Clarify that "global 'varname'" and "global.varname" refer to the same variable.
  – Drop the requirement that global keywords come after require and before anything else.
• No more open issues listed.
• Ready for last call?
IMAP-SIEVE #1

- New draft: draft-ietf-lemonade-imap-sieve-06
- Open issues:
  - Sieve was designed to work at final delivery, and makes many assumptions about the context. Will those assumptions break this environment without our realizing it fully?
  - Note about identity: We might want to use Sieve to impose fine-grained access controls. In final delivery, there's no identity for the "filer". Here, there is: the logged-in IMAP user. How do we get at that identity?
IMAP-SIEVE #2

• Open issues:
  – Sieve has no way to get the annotations, so is there really value in being told about annotation changes here? Maybe push that into a sieve-annotations extension later.
  – Redirect assumes message can be submitted as is - not a valid assumption in this context. What do we do if the decision is "redirect" and there's not enough information to do it? Also, some have been concerned about, say, a flag change that has the Sieve effect of forwarding the message somewhere. Perhaps we should just forbid redirect.
IMAP-SIEVE #3

• Open issues:
  – Should editheader be allowed to change header fields that aren't saved in place, such as for redirect or fileinto? Editheader would still have to be banned for "keep", but not otherwise.
  – Should this just require imap4flags? Some implementors have said they wouldn't bother with it without the ability to manipulate flags. And what values of flags does it see -- before or after the change? If it changes them, can it see the originals? Can it reset changes?
• Open issues:
  – We need to say something about the spamtest/virustest extension. We need to be able to scan appended messages. And we can't use headers to communicate spam status, because the message is immutable. What should we say here?
External Lists

• New draft: draft-melnikov-sieve-external-lists-02
External Lists: Overview

• Want to have externally stored whitelists/ blacklists/ greylists
  – For example stored in LDAP, CardDAV
• Want to implement Sieve recipient controlled mailing lists
• Don't want to change the script every time the list membership changes
External Lists: How?

- Extend the address, header & envelope tests to accept a new tagged argument :list, which changes the last parameter into one or more names of lists of users.
- Extend the redirect action with a new tagged argument :list that changes the last parameter to be a name of a list of users.
External Lists: Recent changes

• Resolved URIs versa opaque identifiers issue
  – URIs are always used
  – **tag:** URIs (RFC 4151) can be used for opaque identifiers
    • Resolution algorithm is implementation specific
• Added additional security considerations about
  – dealing with failures to check/retrieve membership
  – securing the protocol used to check/retrieve membership
# Submission from list members is sent to all members

if allof (
    envelope :detail :list "to"
        "tag:example.com,2009-05-28:mylist",
    header :contains :list "from"
        "tag:example.com,2009-05-28:mylist"
) {
    redirect :list "tag:example.com,2009-05-28:mylist";
}
External Lists: Open Issues #1

• Mandatory to implement URI scheme?
• Dealing with unknown/invalid URIs
  – Just no match or an error?
• Need a way to advertised the list of supported URI schemes in ManageSieve protocol and a new Sieve test?
• Ned's issue
  – :list should be a new match type, instead of being a tagged modifier (?)
External Lists: Open Issues #2

• “redirect :list” might not be able to use a list used for testing membership
RegEx #1

• No draft as yet.
• Discussion:
  – Consider interaction with other extensions
  – What syntax to use
• Interaction with extensions?
  – Body (RFC5173)
  – Variables (RFC5229)
  – Vacation (RFC5230)
  – Relational (RFC5231)
  – IMAP flags (RFC5232)
  – Subaddress (RFC5233)
  – Spamtest (RFC5235)
  – Editheader (RFC5293)
  – Refuse/reject (RFC5429)
  – Notify ++ (RFC5435/36/37)
  – iHave (RFC5463)
Autoreply

• First draft: draft-george-sieve-autoreply-00
• Individual submission
Autoreply: Overview

• Lets SIEVE use presence of a user to decide how to handle a message
  – New notify_method_capability “Status” capability, which tells us more than the “online” capability
  – Can be combined with External Lists
  – Vacation action can be used for autoreponses
require ["extlists", "enotify", "vacation"];  

# Check if the sender is in "mylist" addressbook
if allof (envelope :list "from" "mylist",
    notify_method_capability
    "xmpp:myjid@example.com"
    "Status"
    "Away") {
    vacation :handle "ran-away" "Hello. I'm out today";
}
Autoreply: Open Issues

• What to do about vacation action suppressing responses?
  – It might be desirable to generate multiple responses within 1 day

• Does this look like a new extension, or should this be an Informational document?
EAI

• Anything in latest EAI work we need to be aware of?
• Do we really need a draft on SIEVE EAI?
Benefits of SIEVE

• No progress
• Is there still interest in doing this work?
Any Other Business?