

SIEVE Mail Filtering WG

IETF 75, Stockholm
July 29, 2009

WG Chairs: Cyrus Daboo, Aaron Stone

Mailing List: <<mailto:ietf-mta-filters@imc.org>>

Jabber: [sieve@jabber.ietf.org](jabber: sieve@jabber.ietf.org)

Note Well

Any submission to the IETF intended by the Contributor for publication as all or part of an IETF Internet-Draft or RFC and any statement made within the context of an IETF activity is considered an "IETF Contribution". Such statements include oral statements in IETF sessions, as well as written and electronic communications made at any time or place, which are addressed to:

- the IETF plenary session,**
- any IETF working group or portion thereof,**
- the IESG or any member thereof on behalf of the IESG,**
- the IAB or any member thereof on behalf of the IAB,**
- any IETF mailing list, including the IETF list itself,
any working group or design team list, or any other
list functioning under IETF auspices,**
- the RFC Editor or the Internet-Drafts function**

All IETF Contributions are subject to the rules of RFC 5378 and RFC 3979 (updated by RFC 4879).

Statements made outside of an IETF session, mailing list or other function, that are clearly not intended to be input to an IETF activity, group or function, are not IETF Contributions in the context of this notice. Please consult RFC 5378 and RFC 3979 for details.

A participant in any IETF activity is deemed to accept all IETF rules of process, as documented in Best Current Practices RFCs and IESG Statements.

A participant in any IETF activity acknowledges that written, audio and video records of meetings may be made and may be available to the public.

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?

IMAP-SIEVE #4

- 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

External Lists: Example

```
# 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

RegEx #2

- 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

Autoreply: Example

```
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?