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Support for Internet Message Access Protocol (IMAP) Events in Sieve
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Abstract

Sieve defines an email filtering language that can, in principle, plug into any point in the processing of an email message. As defined in the base specification, it plugs into mail delivery. This document defines how Sieve can plug into points in the IMAP protocol where messages are created or changed, adding the option of user-defined or installation-defined filtering (or, with Sieve extensions, features such as notifications).

Note

[[anchor1: RFC Editor: Please remove this note prior to publication.]]

This document defines extensions to IMAP and Sieve. It is the work of the Sieve Working Group, but had previously been in the lemonade mailing list, as [draft-ietf-lemonade-imap-sieve](#).

1. Discussion of this document should be taken to the Sieve mailing list at <mailto:sieve@ietf.org>
2. Subscription requests can be sent to <mailto:sieve@ietf.org?body=subscribe> (send an email message with the word "subscribe" in the body).
3. A WWW archive of back messages is available at <http://www.ietf.org/mail-archive/web/sieve/index.html>
4. Older messages, which were posted to the lemonade mailing list, are archived at <http://www.ietf.org/mail-archive/web/lemonade/index.html>

Status of this Memo

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1. Introduction

1.1. Overview

Some applications have a need to apply Sieve filters [[RFC5228](#)] in contexts other than initial mail delivery. This is especially true in diverse service environments, such as when the client is sporadically connected, is connected through a high-latency or high-cost channel, or is on a limited-function device. For such clients, it may be very important, for higher performance and reliability, to take advantage of server capabilities, including those provided by Sieve filtering (and Sieve extensions, such as Notify [[RFC5435](#)]).

This specification defines extensions to IMAP [[RFC3501](#)] to support the invocation of Sieve scripts at times when the IMAP server creates new messages or modifies existing ones. It also defines how Sieve scripts will process these invocations. Support for IMAP events in Sieve requires support for IMAP Metadata [[RFC5464](#)] and Sieve Environment [[RFC5183](#)] as well, because Metadata is used to associate scripts with IMAP mailboxes and Environment defines an important way for Sieve scripts to test the conditions under which they have been invoked.

1.2. Differences Between IMAP Events and Mail Delivery

Invoking Sieve scripts in a context other than initial mail delivery introduces new situations, which changes the applicability of Sieve features and creates implementation challenges and user interface issues. This section discusses some of those differences, challenges, and issues.

At times other than message delivery, delivery "envelope" information, might not be available. With messages added through IMAP APPEND, there might be no way to even guess who the intended recipient is, and no concept of who "sent" the message. Sieve actions that relate to contacting the sender, for example, will not be applicable.

Because IMAP events will often be triggered by user actions, and because user interfaces allow bulk actions that differ from individual message arrival, it now becomes possible for a single user action, such as drag-and-drop, to initiate Sieve script processing on a large number of messages at once. Implementations will have to deal with such situations as a "COPY" action or flag changes on dozens, or even thousands of messages.

Other issues might surface as this extension is deployed and experience with it develops.

1.3. Conventions used in this document

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [\[RFC2119\]](#).

1.4. Notes from Reviews, and To-Do Items

[[anchor3: This section should be resolved and removed prior to publication.]]

Stephan Bosch: 4) Invoking the Sieve script linked to the mailbox for every possible event seems inefficient, especially when only one event (e.g. APPEND) is of interest. Would a means to explicitly select which events are applicable for a (mailbox, script) pair be useful?

Barry: We did discuss the general issue of multiple scripts, and I had originally planned to have separate scripts for each event type ("cause"). In the end, we decided that was too complicated, and could be added as a later extension if it turns out to be important.

Stephan Bosch: 6) Allowing redirect seems risky. What if I accidentally 'drag' in my mailclient the content of some enormous mailing list mailbox to a Sieve-enabled mailbox with a redirect? Shouldn't this at least be bounded somehow?

Barry: I don't know if we can specify what to do -- I don't know if we KNOW what to do -- but I've incorporated this into my answer to (7), below.

Stephan Bosch: 7) Since this document essentially defines a whole new context in which Sieve scripts can be executed, it can be helpful for the reader to have an introductory section that outlines and summarizes the main differences between the new and the familiar context, e.g. things like the lack of an envelope as pointed out earlier on this list, the undesirability of sending responses back to senders, etc.

Barry: I've added a section to the introduction, "Differences Between IMAP Events and Mail Delivery". Please review it, and see if there's stuff to add.

To Do: "Interaction with Metadata": Add text requiring ManageSieve, and giving ManageSieve URI in IMAP capability.

To Do: "Interaction with Metadata": Add ManageSieve action to set metadata item.

2. The IMAP Events in Sieve Extension

2.1. The "imapsieve" Capability Strings

An IMAP server advertises support for IMAP events in Sieve through the capability string "imapsieve". A server that advertises "imapsieve" is claiming to be in compliance with this specification in all aspects.

The corresponding Sieve implementation uses the Sieve capability string "imapsieve", and Sieve scripts that depend upon the IMAP events MUST include that string in their "required" lists.

Implementations that support IMAP events in Sieve MUST also support IMAP Metadata [[RFC5464](#)] and Sieve Environment [[RFC5183](#)], because Metadata is used to associate scripts with IMAP mailboxes and Environment defines an important way for Sieve scripts to test the conditions under which they have been invoked. Notwithstanding the support requirement, scripts that directly use Environment MUST also include its capability string in their "required" lists.

2.2. Existing IMAP Functions Affected by IMAP events in Sieve

The subsections below describe in detail the IMAP commands and situations on which IMAP events in Sieve have an effect. Not all Sieve actions make sense in the case of messages affected by IMAP commands. See [Section 3](#) for details.

It's important to note that since the base Sieve specification (see [[RFC5228](#)]) and its extensions define functions for scripts that are invoked during initial mail delivery, those function definitions are necessarily tailored to and limited by that context. This document extends those function definitions for use during IMAP events. By nature of that, Sieve functions, in this extended context, may behave somewhat differently, though their extended behaviour will still be consistent with the functions' goals.

If more than one message is affected at the same time, each message triggers the execution of a Sieve script separately. The scripts MAY be run in parallel.

2.2.1. The IMAP APPEND Command

A message may be added to a mailbox through the IMAP APPEND command. In a server that advertises "imapsieve", new messages added in this way MUST trigger the execution of a Sieve script, subject to the settings defined through Metadata (see [Section 2.3.1](#)).

2.2.2. The IMAP MULTIAPPEND Command

If the IMAP server supports the IMAP MultiAppend extension [[RFC3502](#)], messages may be added to a mailbox through the IMAP MULTIAPPEND command. In a server that advertises "imapsieve", new messages added in this way MUST trigger the execution of a Sieve script, as with the APPEND command, also subject to the settings defined through Metadata.

2.2.3. The IMAP COPY Command

One or more messages may be added to a mailbox through the IMAP COPY command. In a server that advertises "imapsieve", new messages added in this way MUST trigger the execution of a Sieve script, subject to the settings defined through Metadata.

2.2.4. Changes to IMAP Message Flags

One or more existing messages can have their flags changed in a number of ways, including:

- o The FETCH command (may cause the \Seen flag to be set).
- o The STORE command (may cause the \Answered, \Deleted, \Draft, \Flagged, and \Seen flags to be set or reset, and may cause keywords to be set or reset).
- o The invocation of a Sieve script on an existing message, where the Sieve implementation supports the IMAP4Flags extension [[RFC5232](#)] and the script uses one of the actions defined in that extension.

In a server that advertises "imapsieve", messages whose flags are changed in any way (except as explained in the next sentence) MUST trigger the execution of a Sieve script, subject to the settings defined through Metadata. The exception is that in order to avoid script loops, flag changes that are made as a result of a script that was itself invoked because of flag changes SHOULD NOT result in another script invocation. In any case, implementations MUST take steps to avoid such loops.

For flag-change events, the Sieve script will see the message flags as they are AFTER the changes.

2.3. New Functions Defined by IMAP events in Sieve

2.3.1. Interaction with Metadata

Support for IMAP events in Sieve requires support for IMAP Metadata [[RFC5464](#)] as well, since the latter is used to associate scripts with IMAP mailboxes.

When an applicable event occurs on an IMAP mailbox, if there is an IMAP metadata entry named `"/IMAPSieve/Script"` for the mailbox, that entry is used. If there is not, but there is an IMAP metadata entry named `"/IMAPSieve/Script"` for the server, that entry is used (providing a way to define a global script for all mailboxes on a server). If neither entry exists, then no script will be invoked.

If an `"/IMAPSieve/Script"` metadata entry was selected above, the shared value of that metadata name (its `"value.shared"` attribute) **MUST** be the name of the Sieve script that will be invoked in response to the IMAP event. Note that only the `value.shared` attribute is used; any `value.priv` attributes are ignored.

This specifies the mechanism for "activating" a script for a given mailbox (or for all mailboxes), but does not specify a mechanism for creating, storing, or validating the script. Implementations **MUST** support ManageSieve [[RFC5804](#)], and can use the `PUTSCRIPT` command to store the script without using the `SETACTIVE` command to activate it. In any case, the script name that is specified in the `/IMAPSieve/Script` metadata entry is in a form that depends upon how the server handles the storing of Sieve scripts. Script names used here **MUST** match script names used by `METADATA`.

Only one Sieve script may currently be defined per mailbox, eliminating the complexity and possible ambiguity involved with coordinating the results of multiple scripts. Any sub-filtering is done in the Sieve script. For example, if it's only necessary to deal with flag changes, but not with new messages appended or copied, the Sieve script will still be invoked for all events, and the script is responsible for checking the event type.

The possibility is open for an extension to add support for multiple scripts -- for example, per-client scripts on a multi-client user's inbox, or per-user scripts on a mailbox that is shared among users.

Because this metadata name is associated with the mailbox, there can (and it's expected that there will) be different scripts associated with events for different mailboxes. Indeed, most mailboxes will probably invoke no script at all.

3. Applicable Sieve Actions and Interactions

Since some Sieve actions relate specifically to the delivery of mail, not all actions and extensions make sense when the messages are created by other means or when changes are made to data associated with existing messages. This section describes how actions in the base Sieve specification, and those in extensions known at this writing, relate to this specification.

In addition to what is specified here, interactions noted in the individual specifications apply, and must be considered.

3.1. The Implicit Keep

For all cases that fall under IMAP events in Sieve, the implicit keep means that the message is treated as it would have been if no Sieve script were run. For APPEND, MULTIAPPEND and COPY, the message is stored into the target mailbox normally. For flag changes, the message is left in the mailbox. If actions have been taken that change the message, those changes are considered transient and MUST NOT be retained for any keep action (because IMAP messages are immutable). No error is generated, but the original message, without the changes, is kept.

3.2. The Keep Action

The keep action is applicable in all cases that fall under IMAP events in Sieve. Its behaviour is as described for implicit keep, in [Section 3.1](#).

3.3. The Fileinto Action

If the Sieve implementation supports the fileinto action, that action is applicable in all cases that fall under IMAP events in Sieve. If the Copy extension [[RFC3894](#)] is available and the :copy option is specified, the implicit keep is retained; otherwise, fileinto cancels the implicit keep, as specified in the base Sieve specification.

For APPEND, MULTIAPPEND, and COPY, the message is stored into the fileinto mailbox IN ADDITION TO the original target mailbox. For flag changes, the message is COPIED into the fileinto mailbox, without removing the original.

If a keep action is NOT also in effect, the original message is then marked with the \Deleted flag (and a flag-change Sieve script is NOT invoked). The implementation MAY then expunge the original message (WITHOUT expunging other messages in the mailbox), or it MAY choose to have expunges batched, or done by a user. If the server does the

expunge, the effect is as though a client had flagged the message and done a UID EXPUNGE (see [[RFC4315](#)]) on the affected message(s) only. Handling it this way allows clients to handle messages consistently, and avoids hidden changes that might invalidate their message caches.

3.4. The Redirect Action

The redirect action is applicable in all cases that fall under IMAP events in Sieve. It causes the message to be sent, as specified in the base Sieve specification, to the designated address. If the Copy extension [[RFC3894](#)] is available and the :copy option is specified, the implicit keep is retained; otherwise, redirect cancels the implicit keep, as specified in the base Sieve specification.

It's possible that a message processed in this way does not have the information necessary to be redirected properly. It might lack necessary header information, and there might not be appropriate information for the MAIL FROM command. In such cases, the "redirect" action uses Message Submission [[RFC4409](#)], and it is up to the Sieve engine to supply the missing information. The redirect address is, of course, used for the "RCPT TO", and the "MAIL FROM" SHOULD be set to the address of the owner of the mailbox. The message submission server is allowed, according to the Message Submission protocol, to perform necessary fix-up to the message (see [section 8 of RFC 4409](#)). It can also reject the submission attempt, if the message is too ill-formed for submission.

For APPEND, MULTIAPPEND, and COPY, the message is stored into the target mailbox in addition to being redirected. For flag changes, the message remains in its original mailbox.

If a keep action is NOT also in effect, the original message is then marked with the \Deleted flag (and a flag-change Sieve script is NOT invoked). The implementation MAY then expunge the original message (WITHOUT expunging other messages in the mailbox), or it MAY choose to have expunges batched, or done by a user. If the server does the expunge, the effect is as though a client had flagged the message and done a UID EXPUNGE (see [[RFC4315](#)]) on the affected message(s) only. Handling it this way allows clients to handle messages consistently, and avoids hidden changes that might invalidate their message caches.

3.5. The Discard Action

The discard action is applicable in all cases that fall under IMAP events in Sieve. For APPEND, MULTIAPPEND, and COPY, the message is first stored into the target mailbox. If an explicit keep action is also in effect, the discard action now does nothing. Otherwise, the original message is then marked with the \Deleted flag (and a flag-

change Sieve script is NOT invoked). The implementation MAY then expunge the original message (WITHOUT expunging other messages in the mailbox), or it MAY choose to have expunges batched, or done by a user. If the server does the expunge, the effect is as though a client had flagged the message and done a UID EXPUNGE (see [RFC4315]) on the affected message(s) only. Handling it this way allows clients to handle messages consistently, and avoids hidden changes that might invalidate their message caches.

3.6. The Notify Action

If the Notify extension [RFC5435] is available, the notify action is applicable in all cases that fall under IMAP events in Sieve. The result is that the requested notification is sent, and that the message is otherwise handled as it would normally have been.

3.7. The Addheader and Deleteheader Actions

If the EditHeader extension [RFC5293] is available, it can be used to make transient changes to header fields, which aren't saved in place, such as for "redirect" or "fileinto" actions. Because messages in IMAP mailboxes are immutable, such changes are NOT applicable for the "keep" action (explicit or implicit). See [Section 3.1](#).

3.8. The Setflag, Deleteflag, and Removeflag Actions

Implementations of IMAP events in Sieve MUST also support the IMAP4Flags extension [RFC5232], and the actions associated with it are all applicable to any case that falls under IMAP events in Sieve.

It is worth noting also that the "hasflag" test that is defined in the IMAP4Flags extension might be particularly useful in scripts triggered by flag changes ("hasflag" will see the new, changed flags). The flag changes behave as though a client had made the change.

As explained above, in order to avoid script loops flag changes that are made as a result of a script that was itself invoked because of flag changes SHOULD NOT result in another script invocation. In any case, implementations MUST take steps to avoid such loops.

3.9. MIME Part Tests and Replacement

If the MIME Part Tests extension [RFC5703] is available, all of its functions can be used, but any changes made to the message, using the "replace" or "enclose" action, MUST be considered transient, and are only applicable with actions such as "redirect" and "fileinto". Because messages in IMAP mailboxes are immutable, such changes are

NOT applicable for the "keep" action (explicit or implicit). See [Section 3.1](#).

[3.10](#). Spamtest and Virustest

If the Spamtest and Virustest extensions [[RFC5235](#)] are available, they are applicable in all cases that fall under IMAP events in Sieve.

[3.11](#). Inapplicable Actions

The following actions and extensions are NOT applicable to any case that falls under IMAP events in Sieve, because they are specifically designed to respond to delivery of a new email message. Their appearance in the "require" control or their use in an IMAP event MUST result in an error condition that will terminate the Sieve script:

reject [[RFC5228](#)]

ereject [[RFC5429](#)]

vacation [[RFC5230](#)]

Future extensions that are specifically designed to respond to delivery of a new email message will likewise not be applicable to this extension.

4. Interaction With Sieve Environment

4.1. Base Sieve Environment Items: location and phase

The Sieve Environment extension defines a set of standard environment items (see [\[RFC5183\]](#), [Section 4.1](#)). Two of those items are affected when the script is invoked through an IMAP event.

The value of "location" is set to "MS" -- evaluation is being performed by a Message Store.

The value of "phase" is set to "post" -- processing is taking place after (or perhaps instead of, in the case of APPEND) final delivery.

4.2. New Sieve Environment Items: imapuser and imapemail

In the normal case, when Sieve is used in final delivery, there is no identity for the "filer" -- the user who is creating or changing the message. In this case, there is such an identity, and a Sieve script might want to access that identity.

Implementations MUST set and make available two new environment items:

"imapuser" -- the identity (login ID) of the IMAP user that caused the action. This MUST be the empty string if it is accessed during normal (final delivery) Sieve processing.

"imapemail" -- the primary email address of the IMAP user that caused the action (the user identified by "imapuser"). In some implementations, "imapuser" and "imapemail" might have the same value. This MUST be the empty string if it is accessed during normal (final delivery) Sieve processing.

4.3. New Sieve Environment Item: cause

Each mailbox uses a single script for all the change conditions described in this document (append, copy, flag changes). To support that, the implementation MUST set the Environment [\[RFC5183\]](#) item "cause", which contains the name of the action that caused the script to be invoked. Its value is one of the following:

- o APPEND (for invocations resulting from APPEND or MULTIAPPEND)
- o COPY (for invocations resulting from COPY)
- o FLAG (for invocations resulting from flag changes)

Future extensions might define new events and, thus, new causes. Such extensions will come with their own capability strings, and the events they define will only be presented when their capabilities are requested. Scripts that do not request those capabilities will not see those events, and will not encounter the new cause strings.

4.4. New Sieve Environment Item: mailbox

The implementation MUST set the Environment [[RFC5183](#)] item "mailbox" to the name of the mailbox that the affected message is in, in the case of existing messages, or is targeted to be stored into, in the case of new messages. The value of this item is fixed when the script begins, and, in particular, MUST NOT change as a result of any action, such as "fileinto".

4.5. New Sieve Environment Item: changedflags

If the IMAP4Flags extension [[RFC5232](#)] is available, AND the script was invoked because of flag changes to an existing message, the implementation MUST set the Environment [[RFC5183](#)] item "changedflags" to the name(s) of the flag(s) that have changed. If the script was not invoked because of flag changes, the value of this item MUST be the empty string. The script will not know from this item whether the flags have been set or reset, but it can use the "hasflag" test to determine the current value. See example 2 in [Section 5](#) for an example of how this might be used.

4.6. Interaction With Sieve Tests (Comparisons)

Any tests against message envelope information, including the "envelope" test in the Sieve base specification, as well as any such test defined in extensions, are either inapplicable or have serious interoperability issues when performed at other than final-delivery time. Therefore, envelope tests MUST NOT be permitted in the cases described here, and their use MUST generate a runtime error.

This extension does not affect the operation of other tests or comparisons in the Sieve base specification.

5. Examples

Example 1:

If a new message is added to the "ActionItems" mailbox, a copy is sent to the address "actionitems@example.com".

```
require ["copy", "environment", "imapsieve"];

if anyof (environment :is "cause" "APPEND",
          environment :is "cause" "COPY") {
    if environment :is "mailbox" "ActionItems" {
        redirect :copy "actionitems@example.com";
    }
}
```

Example 2:

If the script is called for any message with the \Flagged flag set (tested through the IMAP4Flags extension [[RFC5232](#)]), a notification is sent using the Notify extension [[RFC5435](#)]. No notification will be sent, though, if we're called with an existing message that already had that flag set.

```
require ["enotify", "imap4flags", "variables",
          "environment", "imapsieve"];

if environment :matches "mailbox" "*" {
    set "mailbox" "${1}";
}

if allof (hasflag "\\Flagged",
          not environment :contains "changedflags" "\\Flagged") {
    notify :message "Important message in ${mailbox}"
           "xmpp:tim@example.com?message;subject=SIEVE";
}
```


6. Security Considerations

It is possible to introduce script processing loops by having a Sieve script that is triggered by flag changes use the actions defined in the IMAP4Flags extension [[RFC5232](#)]. Implementations MUST take steps to prevent such loops. One way to avoid this problem is that if a script is invoked by flag changes, and that script further changes the flags, those flag changes SHOULD NOT trigger a Sieve script invocation.

It is also possible to introduce loops through the "redirect" or "notify" actions. See [section 10](#) of Sieve [[RFC5228](#)], [section 8](#) of Sieve Notify [[RFC5435](#)], and the Security Considerations sections of the applicable notification-method documents for loop-prevention information. This extension does not change any of that advice.

Other security considerations are discussed in IMAP [[RFC3501](#)], and Sieve [[RFC5228](#)], as well as in some of the other extension documents.

7. IANA Considerations

7.1. Registration of "imapsieve" IMAP capability

This document defines a new IMAP capability. IANA is asked to add "imapsieve" to the IMAP 4 Capabilities registry.

7.2. Registration of imapsieve Sieve extension

The following template specifies the IANA registration of the Sieve extension specified in this document:

To: iana@iana.org
Subject: Registration of new Sieve extension
Capability name: imapsieve
Description: Add Sieve processing for IMAP events.
RFC number: this RFC
Contact address: Sieve mailing list <sieve@ietf.org>

This information should be added to the list of sieve extensions given on <http://www.iana.org/assignments/sieve-extensions>.

7.3. Registration of environment item: cause

The following template specifies the IANA registration of a sieve environment item specified in this document:

To: iana@iana.org
Subject: Registration of new Sieve environment item
Item name: cause
Description: The name of the action that caused the script to be invoked. Its value is one of the following:

- o APPEND (for invocations resulting from APPEND or MULTIAPPEND)
- o COPY (for invocations resulting from COPY)
- o FLAG (for invocations resulting from flag changes)

RFC number: this RFC
Contact address:
Sieve mailing list <sieve@ietf.org>

This information should be added to the list of sieve environment item names given in the Environment extension [[RFC5183](#)].

7.4. Registration of environment item: mailbox

The following template specifies the IANA registration of a sieve environment item specified in this document:

To: iana@iana.org
Subject: Registration of new Sieve environment item
Item name: mailbox
Description: The name of the mailbox that the affected message is in, in the case of existing messages, or is targeted to be stored into, in the case of new messages. The value of this item is fixed when the script begins, and, in particular, MUST NOT change as a result of any action, such as "fileinto".
RFC number: this RFC
Contact address:
 Sieve mailing list <sieve@ietf.org>

This information should be added to the list of sieve environment item names given in the Environment extension [[RFC5183](#)].

7.5. Registration of environment item: changedflags

The following template specifies the IANA registration of a sieve environment item specified in this document:

To: iana@iana.org
Subject: Registration of new Sieve environment item
Item name: changedflags
Description: If the script was invoked because of flag changes to an existing message, this contains the name(s) of the flag(s) that have changed. Otherwise, the value of this item MUST be the empty string.
RFC number: this RFC
Contact address:
 Sieve mailing list <sieve@ietf.org>

This information should be added to the list of sieve environment item names given in the Environment extension [[RFC5183](#)].

7.6. Registration of environment item: imapuser

The following template specifies the IANA registration of a sieve environment item specified in this document:

To: iana@iana.org
Subject: Registration of new Sieve environment item
Item name: imapuser
Description: The identity (IMAP login ID) of the IMAP user that caused the action.

RFC number: this RFC

Contact address:

Sieve mailing list <sieve@ietf.org>

This information should be added to the list of sieve environment item names given in the Environment extension [[RFC5183](#)].

7.7. Registration of environment item: imapemail

The following template specifies the IANA registration of a sieve environment item specified in this document:

To: iana@iana.org

Subject: Registration of new Sieve environment item

Item name: imapemail

Description: The primary email address of the IMAP user that caused the action (the user identified by "imapuser").

RFC number: this RFC

Contact address:

Sieve mailing list <sieve@ietf.org>

This information should be added to the list of sieve environment item names given in the Environment extension [[RFC5183](#)].

7.8. Registration of IMAP METADATA mailbox entry name

The following template specifies the IANA registration of an IMAP METADATA entry name specified in this document:

To: iana@iana.org

Subject: IMAP METADATA Registration

Please register the following IMAP METADATA item:

[x] Entry [] Attribute

[x] Mailbox [] Server

Name: /IMAPSieve/Script

Description: This entry name is used to define mailbox metadata associated with IMAP events in Sieve for the associated mailbox. Specifically, this specifies the Sieve script that will be invoked when IMAP events occur on the specified mailbox.

Content-type: text/plain; charset=utf-8

RFC number: this RFC

Contact person: Sieve mailing list

Contact email: sieve@ietf.org

This information should be added to the list of IMAP METADATA item names given in the Metadata extension [[RFC5464](#)].

7.9. Registration of IMAP METADATA server entry name

The following template specifies the IANA registration of an IMAP METADATA entry name specified in this document:

To: iana@iana.org
Subject: IMAP METADATA Registration
Please register the following IMAP METADATA item:
☒ Entry ☐ Attribute
☐ Mailbox ☒ Server
Name: /IMAPSieve/Script
Description: This entry name is used to define metadata associated globally with IMAP events in Sieve for the associated server. Specifically, this specifies the Sieve script that will be invoked when IMAP events occur on any mailbox in the server that does not have its own mailbox-level /IMAPSieve/Script entry.
Content-type: text/plain; charset=utf-8
RFC number: this RFC
Contact person: Sieve mailing list
Contact email: sieve@ietf.org

This information should be added to the list of IMAP METADATA item names given in the Metadata extension [[RFC5464](#)].

8. References

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