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IANA registry for Sieve actions
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Abstract

This document creates a registry of Sieve ([RFC 5228](#)) actions in order to help developers and Sieve extension writers track interactions between different extensions.

Status of This Memo

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[1.](#) Introduction

Sieve Email Filtering Language [[RFC5228](#)] is a popular email filtering language used upon final mail delivery. Popularity of Sieve resulted in a myriad of Sieve extensions that can interact with each other in wonderful and complex ways. There is currently no easy way to find out all actions defined by Sieve extensions published in RFCs, which make it quite difficult for Sieve extension writers and Sieve implementation developers to foresee interactions between Sieve actions.

This document creates a registry of Sieve [[RFC5228](#)] actions in order to help developers and Sieve extension writers track interactions between different extensions.

[2.](#) Conventions Used in This Document

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "NOT RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [BCP 14](#) [[RFC2119](#)] [[RFC8174](#)] when, and only when, they appear in all capitals, as shown here.

[3.](#) IANA Considerations

IANA is requested to create a new registry for Sieve actions (see [Section 2.9 of \[RFC5228\]](#) for details on Sieve actions). Registration of both actions specified in IETF Stream RFCs and vendor specific actions is allowed and encouraged. The registration template contains 1) name of the action; 2) short description; 3) references: one or more documents describing the action and any significant updates to its definition (this field is REQUIRED for actions described in RFCs and OPTIONAL otherwise); 4) name(s) of Sieve

capabilit(ies) associated with the Sieve action being registered; 5) interactions with other Sieve actions, if any; 6) flag specifying whether the action cancels the implicit keep (see [Section 2.10.2 of \[RFC5228\]](#)); 7) whether or not this action can be used with IMAP events in Sieve ([\[RFC6785\]](#)), and 8) optional comment.

Registration procedure for this registry is Expert Review. The Designated Expert only checks that the name of the action being registered matches documentation, that the description field is accurate, that the correct documents are referenced and that the list of relevant documents is as complete as possible. The Designated Expert can't reject a registration based on personal dislike of the document defining an action and should always err on the side of registering, even if documentation is not complete.

Addition of a new reference to an existing registration or change to the description field goes through the same registration procedure as a new registration.

[4.](#) Security Considerations

The sole purpose of this document is to create a new IANA registry, so it doesn't create new security considerations for Sieve implementations.

The new registry should help Sieve extension writers and Sieve implementors track interactions between different Sieve actions, so it might improve quality of specifications and implementations, including security aspects.

[5.](#) Normative References

- [RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", [BCP 14](#), [RFC 2119](#), DOI 10.17487/RFC2119, March 1997, <<https://www.rfc-editor.org/info/rfc2119>>.
- [RFC5228] Guenther, P., Ed. and T. Showalter, Ed., "Sieve: An Email Filtering Language", [RFC 5228](#), DOI 10.17487/RFC5228, January 2008, <<https://www.rfc-editor.org/info/rfc5228>>.
- [RFC6785] Leiba, B., "Support for Internet Message Access Protocol

(IMAP) Events in Sieve", [RFC 6785](#), DOI 10.17487/RFC6785, November 2012, <<https://www.rfc-editor.org/info/rfc6785>>.

[RFC8174] Leiba, B., "Ambiguity of Uppercase vs Lowercase in [RFC 2119](#) Key Words", [BCP 14](#), [RFC 8174](#), DOI 10.17487/RFC8174, May 2017, <<https://www.rfc-editor.org/info/rfc8174>>.

[Appendix A](#). Acknowledgements

TBD.

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