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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.

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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.](#) IANA Considerations

IANA is requested to create a new registry for Sieve actions (see [Section 2.9 of \[RFC5228\]](#)). The registration template contains 1) name of the action, 2) short description, 3) one or more documents describing it and any significant updates (references), 4) name(s) of Sieve capability(ies) associated with the Sieve action being registered, 5) interactions with other Sieve actions, if any and 6) flag specifying whether the action cancels implicit keep (see [Section 2.10.2 of \[RFC5228\]](#)).

[[Optional "comment" field?]]

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 or change to the description field goes through the same registration procedure as a new registration.

3. Open Issues

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Should we include information for IMAP Sieve ([RFC 6785](#))?

Shall vendor specific actions be allowed to be registered?

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.

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>>.

[Appendix A](#). Acknowledgements

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