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**Sieve Vacation Extension: "Seconds" parameter
draft-ietf-sieve-vacation-seconds-03**

Abstract

This document describes a further extension to the Sieve Vacation extension, allowing multiple auto-replies to the same sender in a single day by adding a ":seconds" parameter.

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Table of Contents

1.	Introduction	3
1.1.	Terminology Used in This Document	3
2.	The ':seconds' Parameter	3
3.	Examples	4
4.	Security Considerations	5
5.	IANA Considerations	5
5.1.	Registration of Sieve Extension	5
6.	References	5
6.1.	Normative References	5
6.2.	Informative References	5
	Authors' Addresses	6

1. Introduction

The Sieve [[RFC5228](#)] Vacation extension [[RFC5230](#)] defines a mechanism to generate automatic replies to incoming email messages. Through the ":days" parameter, it limits the number of auto-replies to the same sender to one per [n] days, for a specified number of days. But there are cases when one needs more granularity, if one would like to generate "vacation" replies more frequently.

This extension defines a ":seconds" parameter to provide more granularity for such situations.

1.1. Terminology Used in This Document

The upper-case key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [RFC 2119](#) [[RFC2119](#)].

2. The ':seconds' Parameter

The purpose of the ":seconds" parameter is to specify the minimum time interval (in seconds) between consecutive auto-replies to a given sender. The ":seconds" value, if specified, is used instead of the ":days" value, and works in a similar way (see the Vacation extension [[RFC5230](#)] for details). Only one of ":days" and ":seconds" is allowed -- use of both parameters in the same vacation action MUST result in a Sieve processing error.

The capability string associated with this extension is "vacation-seconds". Note that "vacation-seconds" implies "vacation", and a script with "vacation-seconds" in a "require" list can omit "vacation" from that list.

The time value is specified in seconds, and MUST be greater than or equal to 0 and less than 2**31. All valid values MUST be accepted without error, but sites MAY define a minimum value to actually be used if a smaller value is specified, and/or a maximum value to be used if a larger value is specified. If a site imposes a maximum value, that value MUST be at least 86400 (one day).

If ":seconds 0" is specified and used, it means that all auto-replies are sent, and no attempt is made to suppress consecutive replies. This differs from the base vacation specification, which does not allow a time period of zero (":days 0" is forbidden); the change is necessary to allow operation of an auto-responder (see [[I-D.ietf-sieve-autoreply](#)], and note especially example 4 in section

3 of that document).

If `":seconds"` and `":days"` are both omitted, a site-defined interval is used (see [\[RFC5230\]](#)).

```
Usage: vacation [":days" number | ":seconds" number]
        [":subject" string]
        [":from" string]
        [":addresses" string-list]
        [":mime"]
        [":handle" string]
        <reason: string>
```

3. Examples

This example will automatically reply to senders with a message that the recipient is in a meeting. Multiple replies to the same sender will only be sent every half hour (1800 seconds).

```
require ["vacation-seconds"];
vacation :addresses ["tjs@example.edu", "ts4z@landru.example.edu"]
        :seconds 1800
        "I am in a meeting, and do not have access to email.";
```

This example is used to send an acknowledgment to every message received. A `:seconds` value of zero is used to reply to every message, with no removal of duplicates to the same sender. This requires that the Sieve engine allow an interval of zero; if it does not, and it imposes a minimum value, not every message will receive an auto-reply.

```
require ["vacation-seconds"];

vacation :handle "auto-resp" :seconds 0
        "Your request has been received. A service
        representative will contact you as soon as
        possible, usually within one business day.";
```


4. Security Considerations

Security considerations for the Sieve Vacation extension [[RFC5230](#)] apply equally here. In addition, implementations SHOULD consider the number of auto-replies that might be generated by allowing small values of ":seconds" (including 0), and MAY impose additional limits on that number. See the Security Considerations section of [RFC 3834](#) [[RFC3834](#)] for a fuller discussion.

5. IANA Considerations

5.1. Registration of Sieve Extension

To: iana@iana.org
Subject: Registration of new Sieve extension
Capability name: vacation-seconds
Description: adds the ":seconds" parameter to the Sieve Vacation extension. Implementations that support this MUST also support "vacation".
RFC number: this RFC
Contact address: The Sieve discussion list <sieve@ietf.org>

6. References

6.1. Normative References

- [RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", [BCP 14](#), [RFC 2119](#), March 1997.
- [RFC3834] Moore, K., "Recommendations for Automatic Responses to Electronic Mail", [RFC 3834](#), August 2004.
- [RFC5228] Guenther, P. and T. Showalter, "Sieve: An Email Filtering Language", [RFC 5228](#), January 2008.
- [RFC5230] Showalter, T. and N. Freed, "Sieve Email Filtering: Vacation Extension", [RFC 5230](#), January 2008.

6.2. Informative References

- [I-D.ietf-sieve-autoreply]
George, R., Leiba, B., and A. Melnikov, "Sieve Email Filtering: Use of Presence Information with Auto Responder functionality", [draft-ietf-sieve-autoreply-02](#) (work in progress), October 2010.

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