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ManageSieve Protocol: QUOTA/MAXSTORAGE Response Code
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Abstract

This document defines the new QUOTA/MAXSTORAGE response code for the ManageSieve protocol. It indicates that the total amount of storage occupied by the user's private Sieve scripts exceeds the site-defined quota constraint.

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1. Introduction

Sieve [[RFC5228](#)] scripts allow users to filter incoming email. Using the ManageSieve protocol [[RFC5804](#)], users can securely manage their Sieve scripts on a remote server. This protocol allows a user to have multiple scripts on the server. To limit the resources required for script storage and execution, the server may refuse to accept a newly uploaded script based on site-defined quota constraints.

All queries from a ManageSieve client are replied to with either an OK, NO, or BYE response. Each response may be followed by a response code to describe the event in a more detailed machine-parsable fashion (see [[RFC5804](#)], [Section 1.3](#)). The ManageSieve protocol defines specific response codes to notify the client about exceeded quota. The following quota response codes are currently defined:

QUOTA	This generic response code is returned to indicate that some unspecified quota is exceeded. This is used when no more detailed response code is applicable.
QUOTA/MAXSIZE	This response code is returned when the size of the currently uploaded script exceeds the limit.
QUOTA/MAXSCRIPTS	This response code is returned when the number of private scripts of this user exceeds the limit.

This document defines a new quota response code that indicates that the total amount of storage occupied by the user's private Sieve scripts exceeds the site-defined quota constraint.

2. The QUOTA/MAXSTORAGE Response Code

This document defines the following new response code for ManageSieve

([\[RFC5804\]](#), [Section 1.3](#)):

QUOTA/MAXSTORAGE

If this response code is returned in the NO/BYE response, it means

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that the command would have placed the user above the site-defined limit on the total amount of storage occupied by the user's private Sieve scripts. If this response code is returned in the OK response, it can mean that the user is near its quota or that the user exceeded its quota, but the server supports soft quotas. This response code is a more specific version of the QUOTA response code defined in [\[RFC5804\]](#).

This extends the ManageSieve ABNF ([\[RFC5804\]](#), [Section 4](#)) as follows:

```
resp-code      =/ "QUOTA/MAXSTORAGE"
                ; resp-code is defined in \[RFC5804\]
```

[3.](#) Acknowledgements

Thanks to Alexey Melnikov for comments and suggestions.

[4.](#) IANA Considerations

The following requests IANA to register a new ManageSieve response code according to the IANA registration template specified in [\[RFC5804\]](#):

To: iana@iana.org

Subject: ManageSieve Response Code Registration

Please register the following ManageSieve response code:

Response Code: QUOTA/MAXSTORAGE

Arguments (use ABNF to specify syntax, or the word NONE if none can be specified): NONE

Purpose: If this response code is returned in the NO/BYE response, it means that the command would have placed the user above the site-defined limit on the total

amount of storage occupied by the user's private Sieve scripts. If this response code is returned in the OK response, it can mean that the user is near its quota or that the user exceeded its quota, but the server supports soft quotas. This response code is a more specific version of the QUOTA response code.

Published Specification(s): [RFCXXXX]

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[5.](#) Security Considerations

Security considerations are discussed in [[RFC5804](#)]. This document only registers a new response code for the ManageSieve protocol and as such it does not introduce any additional security concerns.

[6.](#) References

[6.1.](#) Normative References

[RFC5804] Melnikov, A. and T. Martin, "A Protocol for Remotely Managing Sieve Scripts", [RFC 5804](#), July 2010.

[6.2.](#) Informative References

[RFC5228] Guenther, P. and T. Showalter, "Sieve: An Email Filtering Language", [RFC 5228](#), January 2008.

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