

MSGFILTER

- Constrains Visible Message Set
 - Per Folder
 - Subset of message set subject to criteria
- Captures two primary use cases
 - Use case where a mobile mail client desires to mitigate resource consumption, either bandwidth or memory

Example: Mail after a certain date

- Use case where a mobile mail client desires to keep focused on a user defined subset of messages regardless of resource costs.

Example: Only mail from *@customer.com

MSGFILTER

- Minimal Protocol Modification
 - Single Command
 - FILTER SET
 - Single Response
 - FILTER SET
 - Single Response Code
 - FILTERED
- Syntax borrowed from similar draft – WINDOW

```
C: 2 FILTER SET SEARCH SINCE "10-Sep-2004"  
S: * 3 EXISTS  
S: * FILTER SET 76 78 90  
S: 2 OK FILTER SET Completed
```

MSGFILTER

- Transient Mode
 - Criteria specified via
 - SEARCH arguments
 - Explicit UID ADD/REMOVE
 - Less likely to burden server with persistent state
- Non-Transient Mode
 - Protocol Opaque TAG Identifier
- Easier cleanup – “Self Cleaning”
 - No Command needed to terminate filtering
- Filters are definitive
 - If they are not in the filter then they will not be seen either through “polling” or through events

MSGFILTER

- Filters may be built dynamically
 - Accumulation rules to allow a filter to be modified incrementally
- Accumulation rules have a precedence
 - TAG
 - SEARCH
 - UID ADD/REMOVE