

# Lemonade

## New Drafts Towards Version 2 of Lemonade Profile

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# Tasks in plan

- Profile items (possibly) not in profile version 1:
  - Media conversion
  - Quick Reconnect
- Per plan agreed during Lemonade 61.5 interim meeting in Redwood Shores (+ Lemonade 62 discussions):
  - Firewall Traversal
  - Filtering
  - Server to client notifications
  - Transport optimizations (mobile issues)

# Latest Related Documents

- 1) Profile version 1: (draft-ietf-lemonade-profile-03)
- 2) OMA Mobile e-mail RD (see liaison from OMA)
- 3) draft-smaes-lemonade-intermediary-challenges-01
- 4) draft-maes-lemonade-mobile-email-04
- 5) draft-maes-lemonade-p-imap-07 (08 submitted since)

# Starting to address these issues:

## Proposed new drafts

- draft-maes-lemonade-notifications-server-to-client-01
- draft-maes-lemonade-lconvert-01
- draft-maes-lemonade-lzip-01
- draft-maes-lemonade-ldeliver-00
- draft-maes-lemonade-http-binding-01
- draft-maes-lemonade-monoincuid-01

# Server to Client Notifications and Filtering

- Notion of Event-based synchronization
- Server-side filtering
  - Poll and push repository
  - View, notification and event filters
- Inband and outband notifications
- Events
  - Payload
  - SMS binding

# Server to Client Notifications and Filtering

- Declared via CAPABILITY
- LPROVISION
  - The LPROVISION command is used to allow a device to obtain service specific parameters of the server.
- LSETPREFS and LGETPREFS
  - The LSETPREF command allows a user to define certain configuration parameters, while the LGETPREFS command allows a user to retrieve the configuration values.
- LFILTER:
  - The LFILTER command allows users to name a set of IMAP search terms to be used as a view filters or notification filters, or to get the description or search terms associated with a named filter.

# LCONVERT

- Declared via CAPABILITY
- LCONVERT BODY and BINARY data item extension
  - FETCH extension used to transcode the media type of a leaf MIME part into another media type, and/or the same media type, with different encoding parameters.
- FETCH response extensions
- Status responses, Response code extensions
- Formal Syntax
- LCONVERT transcoding parameters
  - OMA STI 1.0 spec [OMA-STI]

# LZIP

- Declared via CAPABILITY
- The LZIP command is used for zipping the response (and optionally the request) of a command and can be used while the server is in any state.



# LDELIVER

- Declared via CAPABILITY
- LDELIVER defines an extensions to enable sending email as an IMAP command.
  - LDELIVER is not intended to replace SMTP. Instead it is envisaged as a simple way to implement gateways that support features like reply and forward without downloading complete messages when the email and submit servers may not support the commands described in lemonade profile for forward without download.
  - LDELIVER also allows reducing the amount of protocols to support on the client and parameters to set or provisions.

# HTTP Binding

- Use HTTP as binding for IMAP
  - describes how an HTTP binding may be provided to provide inband notification and facilitate traversal of firewalls and proxy-based deployments
- Non-Persistent HTTP for In-response Connectivity Mode
- Using Persistent HTTP/HTTPS + Chunked Transfer Encoding for In-band Connectivity Mode

# Monoincuid

- Declaration via CAPABILITY that UIDs are persistent and monotonically increasing
  - To allow simplified client implementations
- Recent UID extensions may provide better ways to achieve this.

# Next Steps

- Collect comments and alternatives
- Moves to WG drafts
- Progress as appropriate