

# lemonade

Eric Burger

[eburger@snowshore.com](mailto:eburger@snowshore.com)

Glenn Parsons

[gparsons@nortelnetworks.com](mailto:gparsons@nortelnetworks.com)

# Note Well

All statements related to the activities of the IETF and addressed to the IETF are subject to all provisions of Section 10 of RFC 2026, which grants to the IETF and its participants certain licenses and rights in such statements. Such statements include verbal statements in IETF meetings, as well as written and electronic communications made at any time or place, which are addressed to

- the IETF plenary session,
- any IETF working group or portion thereof,
- the IESG, or any member thereof on behalf of the IESG,
- the IAB or any member thereof on behalf of the IAB,
- any IETF mailing list, including the IETF list itself, any working group or design team list, or any other list functioning under IETF auspices,
- the RFC Editor or the Internet-Drafts function

Statements made outside of an IETF meeting, mailing list or other function, that are clearly not intended to be input to an IETF activity, group or function, are not subject to these provisions.

## JABBER details

Room: lemonade

Server: ietf.xmpp.org

Logs: <http://www.xmpp.org/ietf-logs/lemonade@ietf.xmpp.org/>

# Agenda

- Agenda Bashing (Chairs) 5 min
- Charter (Eric) 5 min
- Document Status (Glenn) 10 min
- Push vs Pull
  - IMAP push/pull (Eric) 10 min
  - IMAP pull (Alexei) 20 min
  - IMAP push (Pete) 20 min
  - Discuss 50 min
- P-IMAP (Stephane) 20 min
- Next Steps & Milestones 10 min

# Charter

## Enhancements to Internet email to support diverse service environments

- LEMONADE Goals
- IMAP4 extensions for VM playback
- IMAP4/SUBMIT extensions for forwarding
- IMAP4 profile for diverse endpoints
- Server-to-Server Notification Protocol
- Translation to and from other messaging systems

# Charter

## Enhancements to Internet email to support diverse service environments

- LEMONADE Goals
- IMAP4 extensions for VM playback
- IMAP4/SUBMIT extensions for forwarding
- IMAP4 profile for diverse endpoints
- Server-to-Server Notification Protocol
- Translation to and from other messaging systems

A reminder of our main activities

# Document Status

- Goals
  - draft-ietf-lemonade goals-02
  - Nits review, then WG last call
- Channel
  - draft-ietf-lemonade-imap-channel-01
  - Hold for pull/push
- MMS mapping
  - draft-gellens-lemonade-mms-mapping-00
  - Wait for pull/push & IMAP profile progression
- Notifications
  - draft-decktor-s2s-notif-01
  - Nits review, then WG last call
- Other extensions
  - draft-shveidel-mediasize-04
    - Proceed to AD review
  - draft-vaudreuil-futuredelivery-02
    - Hold for pull/push

# IMAP push - pull

- Decision:
  - Do we want to progress 1 or 2 or n solutions
    - IMAP push
    - IMAP pull
    - ...
  - If only 1, do we know enough now to make this decision or do we need to flesh out more of the details
    - Decide based on current draft
    - Decide based on detailed technical proposals
      - Post & decide by Dec 2003



# IMAP push - pull

- Decision:
  - Do we want to progress 1 or 2 or n solutions
    - IMAP push
    - IMAP pull
    - ...
  - If only 1, do we know enough now to make this decision or do we need to flesh out more of the details
    - Decide based on current draft
    - Decide based on detailed technical proposals
      - Post & decide by Dec 2003

IETF 57 - 1 solution

# IMAP push - pull

- Decision:
  - Do we want to progress 1 or 2 or n solutions
    - IMAP push
    - IMAP pull
    - ...
  - If only 1, do we know enough now to make this decision or do we need to flesh out more of the details
    - Decide based on current draft
    - Decide based on detailed technical proposals
      - Post & decide by Dec 2003

IETF 57 - 1 solution

IETF 58

# Push/Pull Issues

# Marketplace Realities

- MM1 is Real and Widely Deployed
- Anything the IETF Does **MUST** Be Compelling Versus MM1 for our Work to be Relevant
  - Service Providers Won't Be Interested in Changing "Something that Works"
- Market Window is Closing
  - Deployments this year
  - Hard to Change Later
  - Must Have Published Direction Now

# What If We Are Not Compelling?

- MM1 Becomes *the* Client Access Method for Wireless Devices
- Wireless Devices Will Constitute The Bulk of Messaging Clients
- IMAP, POP, Mumble Become Irrelevant
- IMAP Push versus Pull Becomes Irrelevant

# What If We Are Not Compelling?

- MM1 Becomes *the* Client Access Method for Wireless Devices
- Wireless Devices Will Constitute The Bulk of Messaging Clients
- IMAP, POP, Mumble Become Irrelevant
- IMAP Push versus Pull Becomes Irrelevant

**We MUST decide now!**

# Push v. Pull Issues

- Pull (SMTP Submit w/ Object Retrieval)
- 3<sup>rd</sup>-Party Trust Model
  - FCC: Submit Server Has to Send Message to User; Store Needs to Know Message for Sent Items Folder
  - Future Delivery: Where Does Message Get Queued? How Revoked?

- Push (IMAP Submit)
- Adds Complexity to IMAP
  - Reduces Deployment Flexibility
  - SUBMIT Features Need to Track ESMTP Developments
  - How to Handle DSN's?

# IMAP push or IMAP pull

Randy Gellens

`draft-ietf-lemonade-imap-submit-01`



# IMAP push or IMAP pull

Randy Gellens

`draft-ietf-lemonade-imap-submit-01`

This is a WG document.  
The intent is that this will document the chosen method.

# IMAP pull

Alexei Melnikov

`draft-newman-lemonade-compose-01 - Feb 2004`

`draft-crispin-lemonade-pull-01 - Feb 2004`

`draft-crispin-imap-urllauth-06 - Jan 2004`

# IMAP push

Pete Resnick

`draft-ietf-lemonade-catenate-01` - Dec 2003

`draft-gellens-lemonade-push-00` - Dec 2003

# Let's Discuss

# Let's Discuss

...and decide.

# HUM POLL

## Where is Best Place to Do Assembly?

- In Client (No, that's point of lemonade)
- In IMAP Server?
- In Submit Server?
- Option to do both?

# HUM POLL

## Where is Best Place to Do Assembly?

- In Client (No, that's point of lemonade)
- In IMAP Server?
- In Submit Server?
- Option to do both?



Slightly louder hum..

# IMAP4 profile

- LEMONADE profile, similar to
  - VPIM
  - IFAX
  - IVM
- Not appropriate to start until new IMAP4 extensions are sufficiently along



# P-IMAP

Stephane Maes

`draft-maes-lemonade-p-imap-00`

# P-IMAP

Stephane Maes

`draft-maes-lemonade-p-imap-00`

Potential 1st draft of IMAP profile...

# WG Deliverables

- LEMONADE Goals
  - `draft-ietf-lemonade-goals-02.txt`
- IMAP4 extensions for VM playback
  - `draft-ietf-lemonade-imap-channel-00.txt`
- IMAP4 extensions for forwarding
  - `draft-ietf-lemonade-imap-submit-01.txt`
  - `draft-ietf-lemonade-catenate-01.txt`
- IMAP4 profile for diverse endpoints
- Server-to-Server Notification Protocol
  - `draft-decktor-s2s-notif-01.txt`
- Translation to and from other messaging systems
  - `draft-gellens-lemonade-mms-mapping-00.txt`

# Milestones

- Jun 03 Submit LEMONADE requirements and architecture specification to the IESG
- Jul 03 Submit server to server notification protocol to the IESG
- Sep 03 Submit IMAP4 and message submission extensions for streaming multimedia to the IESG
- Nov 03 Submit IMAP4 profile for mobile devices to the IESG

# Milestones

proposed update - Nov 2003

- Jan 04 Submit LEMONADE goals and use-cases specification to the IESG
- Jan 04 Submit server to server notification requirements to the IESG
- Jan 04 Submit IMAP4 extensions for streaming multimedia to the IESG
- Apr 04 Submit IMAP4 extensions for forwarding without download to the IESG
- Jul 04 Submit IMAP4 profile for mobile devices to the IESG
- Jul 04 Submit translation to other messaging systems to the IESG

# Milestones

## proposed update - Mar 2004

- Apr 04 Submit LEMONADE goals and use-cases specification to the IESG
- Sep 04 Submit IMAP4 extensions for streaming multimedia to the IESG
- Jul 04 Submit IMAP/SUBMIT extensions for forward without download to IESG
- Aug 04 Submit IMAP4 profile for mobile devices to the IESG
- Apr 04 Submit server to server notification requirements to the IESG
- Sep 04 Submit translation to other messaging systems to the IESG

# Thanks!

- Mail List:
  - General Discussion: [lemonade@ietf.org](mailto:lemonade@ietf.org)
  - To Subscribe: [lemonade-request@ietf.org](mailto:lemonade-request@ietf.org)
  - In Body: in body 'subscribe'
  - Archive: <ftp://ftp.ietf.org/ietf-mail-archive/lemonade/>
- Supplemental Draft Page
  - <http://flyingfox.snowshore.com/i-d/lemonade/>