Generalizing Email Messages Digests

Romain Vuillemot, Jean-Marc Petit, Mohand-Saïd Hadid

Database Team (BD), LIRIS, CNRS UMR 5205
Université de Lyon, France
romain.vuillemot@insa-lyon.fr
http://liris.cnrs.fr/romain.vuillemot/

MOTIVATION

• Users receive useful emails.. .they want to read them but not now
• Email digest is an existing technique to compile N emails into 1 email
• Existing email clients don’t generate digests, only mailing lists systems

GOAL

• Creating meaningful email digests for any set of user-selected messages
• Keeping an email centric interface
• Compliant with email standards and thus resulting in a regular email

CHALLENGES

• Extracting data and task from emails
  - semi-structured headers
  - plain text body
  - others: attachments, contacts, etc.
• Aggregating data and embedding compact visualizations
• Setting up a flexible system to support and include new visualizations
  ..In other words dealing with existing email clients and facing the diversity of email usages

ACKNOWLEDGEMENT

This work takes part in the ongoing research project DLM 3.0 http://www.dlm30.com/ devoted to semantic email, and has been partially funded by the French Ministry of Economics and Labor.

DEMOs

• Live GWT webmail http://digestme.appspot.com/
• Thunderbird add-on

PERSPECTIVES

• Support more data and tasks
• Setup a collaborative template design system