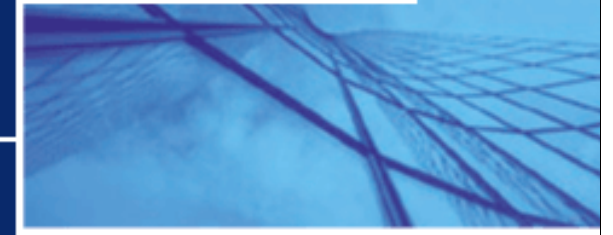




Communication Tools

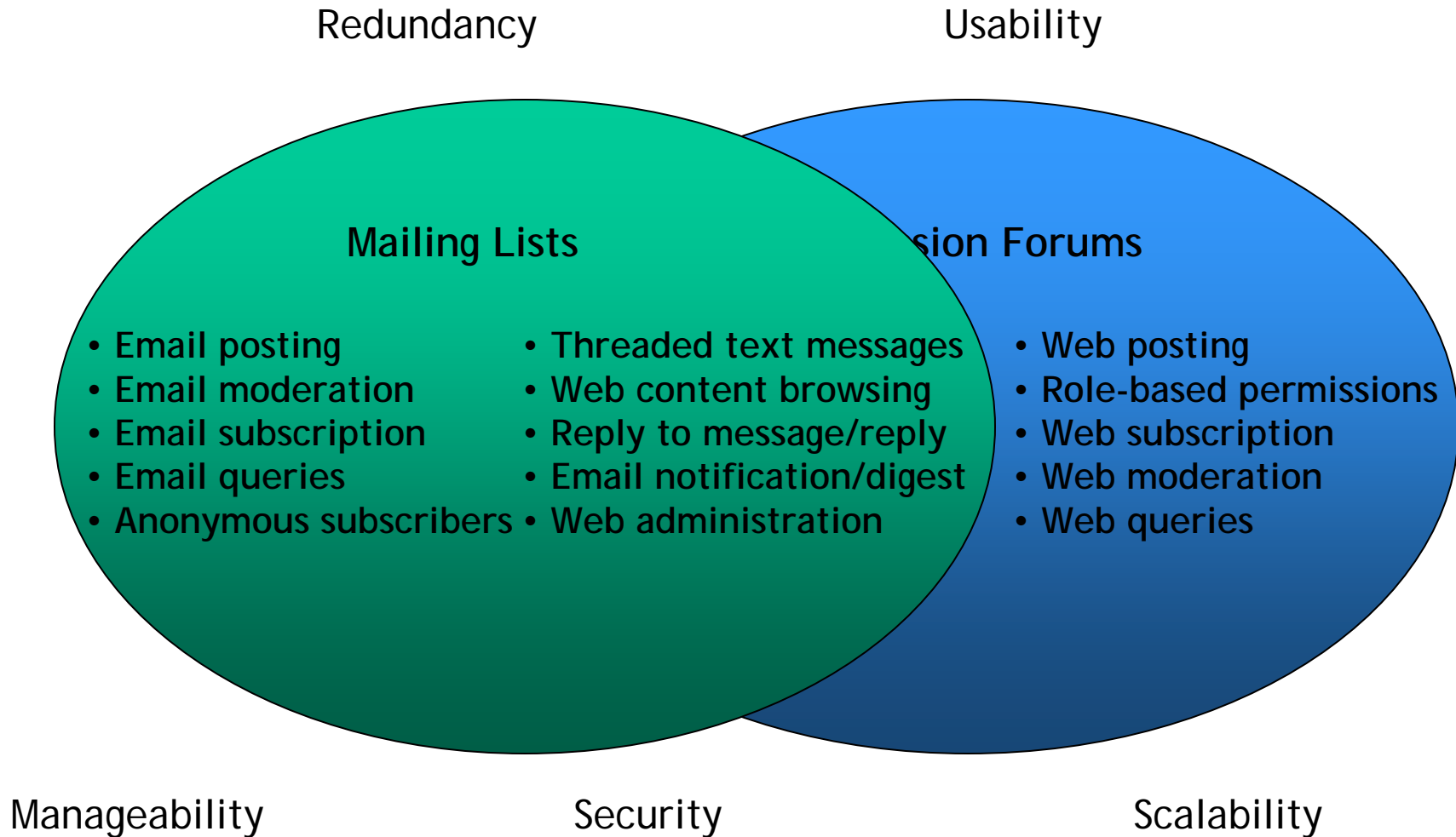


Discussion Service

Overview

Jeff Eastman

Current Product Issues



Features We'd Like to Offer

- "To which lists am I subscribed?"
- "Please change my email address from x@y to a@b in all lists"
- "Please remove user 'z' from all lists"
- "Please subscribe user group 'g' to this list"
- "Please subscribe members of project 'p' to this list"
- Per-user metrics & reporting across all CEE services
- Bad email address handling for all CEE services
- Better security, performance, scalability & reliability
- Merged mailing list and web-based discussions

- To provide these features, we need to know who our subscribers are
- We also need to bring lists under CEE's role-based permissions

Some Things Just Need To Go

- Ezmlm's email-based queries & commands
 - Email commands are redundant with web interface and are infrequently used
 - Many are officially not supported, but some seem to work anyway
 - Some do not coexist well with CEE permissions e.g. allow & deny lists
 - Insecure: if you can guess the list alias you can probably subscribe to it
 - Insecure: if you can guess the list alias you can probably obtain its content

Redundant Ezmlm Commands & Queries

The following email commands are redundant with the web interface and will longer be supported

- subscribe other (command)
- confirm subscribe
- unsubscribe other (command)
- confirm unsubscribe
- subscribe to digest
- subscribe other to digest
- unsubscribe from digest
- unsubscribe other from digest
- query (am I subscribed?)
- get message #
- get recent messages
- get range of messages
- get index (subject, author) for list
- get range of indexes
- get entire thread
- get list info (if info exists)
- get list faq (if faq exists)
- show list subscribers *
- show deny list *
- show allow list *
- show list digest subscribers *
- show deny list *
- show allow list *
- view subscription log *
- view digest subscription log *
- contact list owner

* Functionality described in Ezmlm documents
but not enabled in CEE

Some Abilities Won't Change

- Guest viewing of appropriate content
 - Governed by permissions assigned to Guest user role
- Guest posting via email
 - Governed by permissions assigned to Guest user role
- Guest subscription
 - If enabled at the domain and discussion level, anonymous subscriptions allowed
- Posting from multiple different email accounts
 - Users can register alternative accounts to post with their full permissions
 - Otherwise, they can post with Guest permissions
- Email-based moderation of postings by others
 - Moderators must also be CEE users and have view + post permission
- Email-based subscription and un-subscription
 - Users may manage their own subscriptions using email messages

New CEE Discussion Service

Discussion Service

- Email posting
- Email moderation
- Email subscription
- Anonymous subscribers
- Threaded text messages
- Web content browsing
- Reply to message/reply
- Email notification/digest
- Web administration
- Web posting
- Role-based permissions
- Web subscription
- Web moderation
- Web queries

Discussion Service Summary

➤ New Features

- Full role-based permissions throughout (security)
- Unified email & web access to threaded discussions (usability)
- New web user interface (usability)

➤ Deprecated Features

- Email commands & queries (security, redundancy & infrequently used)

➤ Performance, Scalability & Reliability

- New Postfix MTA
- SOA clusterable implementation
- Test-driven development

➤ Migration

- Existing mailing lists & forums merged into DS
- Unregistered subscribers to be migrated as anonymous subscribers
- URL compatibility to content will be maintained

New Discussion Permissions

Forum Type	Access	Viewing & Subscribing	Moderated Posting	Unmoderated Posting
Unmoderated	Public	<i>View</i>		<i>Post</i>
	Private	<i>View + Private</i>		<i>Post + Private</i>
Trusted	Public	<i>View</i>	<i>Post</i>	<i>Post + Trusted</i>
	Private	<i>View + Private</i>	<i>Post + Private</i>	<i>Post + Trusted + Private</i>
Moderated	Public	<i>View</i>	<i>Post</i>	
	Private	<i>View + Private</i>	<i>Post + Private</i>	

Summary & Questions

- New DS merges mailing list & discussion forum features
- New user interface blends both discussion idioms
- A few features are being deprecated
- Modern SOA implementation improves scalability
- Modern TDD engineering improves reliability
- Full migration of existing archives
- URL compatibility for content maintained

- Q&A

