

Message Processing: Concepts And Tools

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Part I

Message Processing: Concepts And Tools

Part 1: Message Processing: Concepts And Tools

- 1 What Do We Mean By Message Processing
- 2 MIME And History Of MIME

What Do We Mean By Messaging Processing

- Take An Input Message
- Parse And Validate Its Headers
- Decompose It Body Parts
- Process And Act On Its Body Parts

MIME And History Of MIME

- MIME's place in the full picture
- MIME Conceptual Error
- MIME Evolution Problems

Part II

Message Processing Tools

Part 2: Message Processing Tools

3 nmh

4 Reformail

What Is New MH?

- Made As A Compositional Mail Handler And Mail Reader
- Really Useful As A Batch Utility

Reformail

- Extracts And Appends Mail Header Fields

Part III

Class Activities

Part 3: Class Activities

- 5 Accessing Your Accounts On ByStar Mail Server
 - Your Domains, Your Account+Passwd
 - ByStar Mail Server Basic Tests

- 6 Bash Scripting – MailBot and MailInjector Exercise
 - MailBot Evolution
 - MailBot Functional Specification
 - MailBot Deeper Dive

Your Domains, Your Account+Passwd

- smtp.first.1.last.byname.net – imap.first.1.last.byname.net
- Your account is the first field in the /etc/passwd file that was emailed
- Your passwd was emailed to you

ByStar Mail Server Basic Tests

- ping smtp.first.1.last.byname.net
- From Your Bellevue College Account Send Messages To main@first.1.last.byname.net
- Submit Server Tests Against smtp.first.1.last.byname.net

MailBot Evolution

- `cd /isit442`
- `mv mailBot mailBot.20160223`
- `cp -r -p /opt/public/osmt/bin/mailBot .`

MailBot Functional Specification

- Read In An RFC-822 Message File
- Validate Its Headers
- Subject It To Some Access Control
- Decompose Its Body to file body-parts
- Process Its Body Parts – Print pdfs, fax pdfs

MailBot Deeper Dive

- Top-Down Design, Bottom-Up Implementation
- Managing Complexity, Cohision, Consistency – mailInjector.sh
- Panel.org Omni-Available Features
- lim Omni-Available Features
- Bashing – Procedural vs Functional Vs Object-Oriented

Part IV

Assignments

Part 4: Assignments

7 Review Of Last Week's Assignments

8 Next Set Of Assignments

Review Of Last Set Of Assignments

Two Teams Of 3.

Team 1 uses swaks. Team 2 uses ssmtp

Customize the mailinjector.sh to hit lightly against Bellevue College with your student mail credentials.

Next Set Of Assignments (2/25)

- Using The By* Account And Passwd Information Configure An Imap Client
- Using The By* Account And Passwd Information Configure An SMTP-Submit Client
- Look Into Fetchmail For Integration With mailBot.sh

Continue your work on swaks and ssmtp