

BC-isit442 Class Overview And Structure

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Part I

Qmail Installation And Qmail Overview

1 Installation

Installation

- Look At Running Qmail Process
- Check Current Status Of Qmail
- Check hostname -fqdn
- Fix /etc/hosts
- Re-Install Qmail

2 Qmail Processes WalkThrough

- `ps -ef | grep -i mail` – also with `pgrep`
- Map these over to the qmail picture

3 Qmail Control Files WalkThrough

- Visit `/var/qmail/control`
- Map these over to the qmail picture

Part II

Qmail Customizations Overview

4 Message Transfer Blee Panel – Walkthrough

Message Transfer Blee Panel – Walkthrough

- IIM BinsPreps
- Send And Receive
- Send
- Receive
- Monitor
- Test and Diagnose

5 Overview Of Mailfront Replacement

Overview Of Mailfront Replacement

- What is mailfront – How It Fits In Our Picture
- Mailfront's Architecture
- <http://untroubled.org/mailfront>
- <http://untroubled.org/mailfront/mailfront.html>

Part III

Class Activities

6 Bash Scripting – The IIM Framework Oriented Approach

6.1 Using Emacs For Text Processing – Instead Of sed/awk

- Emacs can be programmed to filter files – much more powerful than sed/awk
- Visit `/opt/public/osmt/bin/elispBleePanelUpdate.el`
- Let's Walkthrough That elisp Code
- M-x load file
- Visit An Old Style Panel
- Try F7-y and F7-z
- Follow the layers: Interactive Becomes Code Becomes Batch
- Follow the layers: One-Line – Whole Buffer – Any Set Of Files
- Experiment With Key-Board Macros

6.2 Adding An iimPanel to Our iimBash Examples

- `cd /isit442`
- `cp /opt/public/osmt/bin/startIimBash.org Panel.org`
- F11-F11
- Let's Customize

6.3 Framework Oriented IIM Bash Scripting

- `cp /opt/public/osmt/bin/startIimGeneric.sh /isit442/lastName-iim.sh`
- Add VisExample
- Add Describe
- Add Functionality
- Add EH_problem
- Invoke Through Emacs Client
- Grep for value in a particular field – Check gerp’s exit code – Add grepPasswd to Panel.org

6.4 Using Org-Mode For Structure And Assignments/Time-Management

- Visit [/libre/ByStar/InitialTemplates/activeDocs/bxLanguages/standards/rfc/fullUsagePanel-en.org](http://libre/ByStar/InitialTemplates/activeDocs/bxLanguages/standards/rfc/fullUsagePanel-en.org)
- Same Set Of RFCs, Two Seperate Perspectives/Hierarchies
- Todo Lists
- Deadlines
- Panel features

Part IV

Assignments

7 Assignments

- Read through <http://untroubled.org/mailfront>
- Read through <http://untroubled.org/mailfront/mailfront.html>
- Complete the section assigned to you in the RFCs Blee Panel
- Visit [/libre/ByStar/InitialTemplates/activeDocs/bxLanguages/standards/rfc/fullUsagePanel-en.org](http://libre/ByStar/InitialTemplates/activeDocs/bxLanguages/standards/rfc/fullUsagePanel-en.org)
- Learn And Experiment With Regular Expressions
- Run: `apropos "regular expression"`
- Read through – `man regex`

References