Introduction to E-Mail system
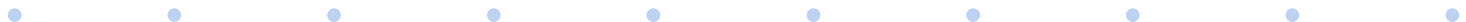## 電子郵件信箱系統入門

- Wei-li Tang 唐瑋勵
- September 19th, 2008.

Outline 大綱

- Concept of client/server architecture
- E-Mail Transportation
- Mail User Agents
  - Microsoft Outlook Express
  - Mozilla Thunderbird
  - Webmail
    - NCNU Webmail
- Mail letter format 寫信的正確格式
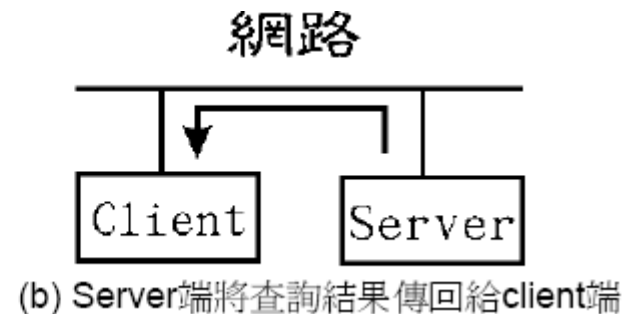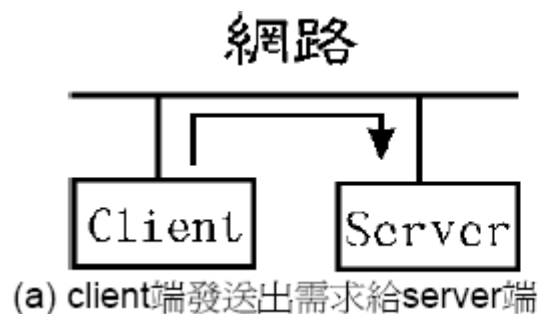
Concept of client/server architecture

- Client/Server（主從式架構）
  - One of the central ideas of network computing.

Concept of client/server architecture

- Client 用戶端
  - Initiates requests.
  - Typically interacts directly with end-users using a graphical user interface.

- Server 伺服端
  - Never initiates requests or activities.
  - Listens to network and responds only to requests from connected clients.

網路

Client → Server

(a) client端發送出需求給server端

網路

Client ← Server

(b) Server端將查詢結果傳回給client端

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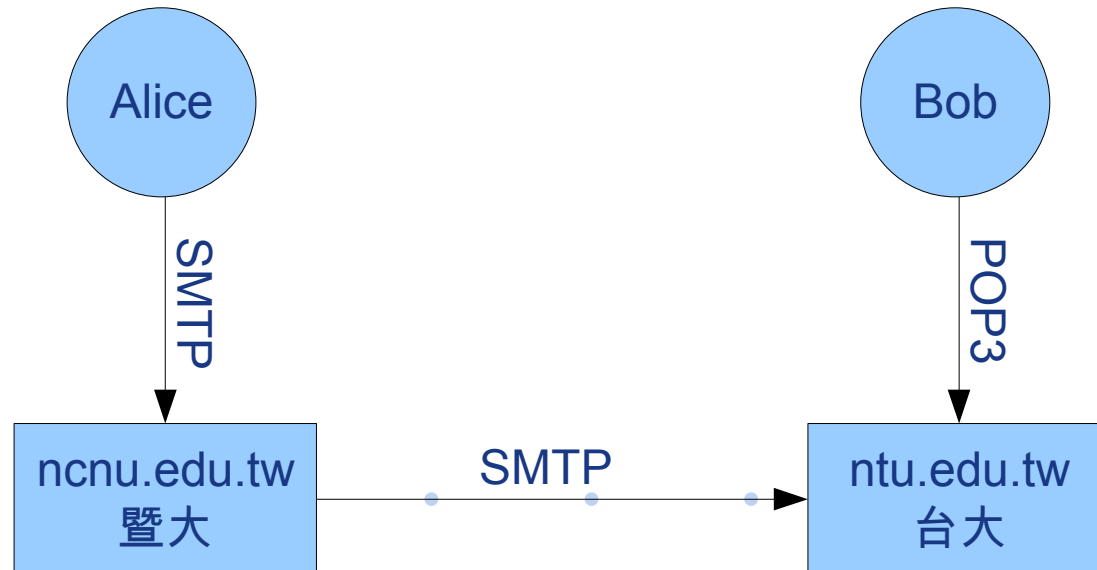# Concept of client/server architecture

- Advantage
  - High Efficiency
    - Enables the roles and responsibilities of a computing system to be distributed among several independent computers.
    - For example, client displays pretty interface to user, and server concentrates on data access, system maintenance, and security management.

E-Mail Transportation

- Walkthrough of sending a e-mail
    1. 暨大的 Alice 想寄信給台大的 Bob，於是用 SMTP 將信先送到 ncnu.edu.tw 暨大的 Mail Server
    2. 暨大 Mail Server 以 SMTP 將信送給台大 Mail Server
    3. Bob 用 POP3 從台大 Mail Server 取回信件

Alice

Bob

SMTP

POP3

ncnu.edu.tw
暨大

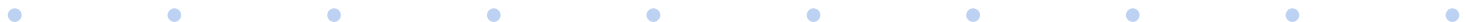SMTP

ntu.edu.tw
台大

E-Mail Transportation

- ## Simple Mail Transfer Protocol (SMTP)
  - A de facto standard for e-mail transmissions across the Internet.

- ## Post Office Protocol version 3 (POP3)
  - A standard for retrieving e-mail from a remote server over a TCP/IP connection.
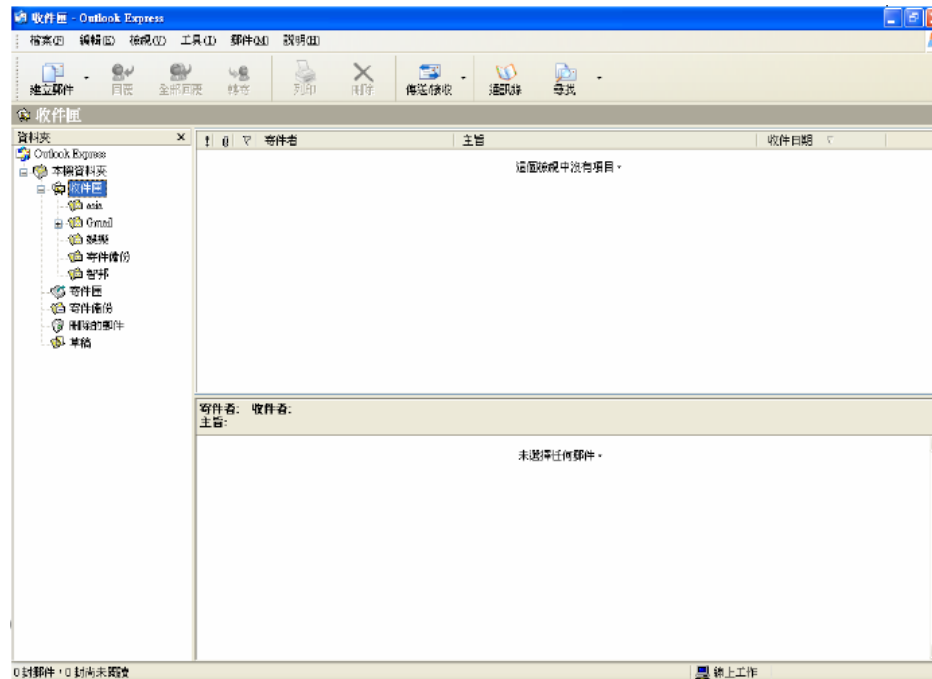
Mail User Agents

- An e-mail client, aka Mail User Agent (MUA), aka e-mail reader is a frontend computer program used to manage e-mail.

- Popular MUAs
  - Microsoft Outlook Express
  - Mozilla Thunderbird
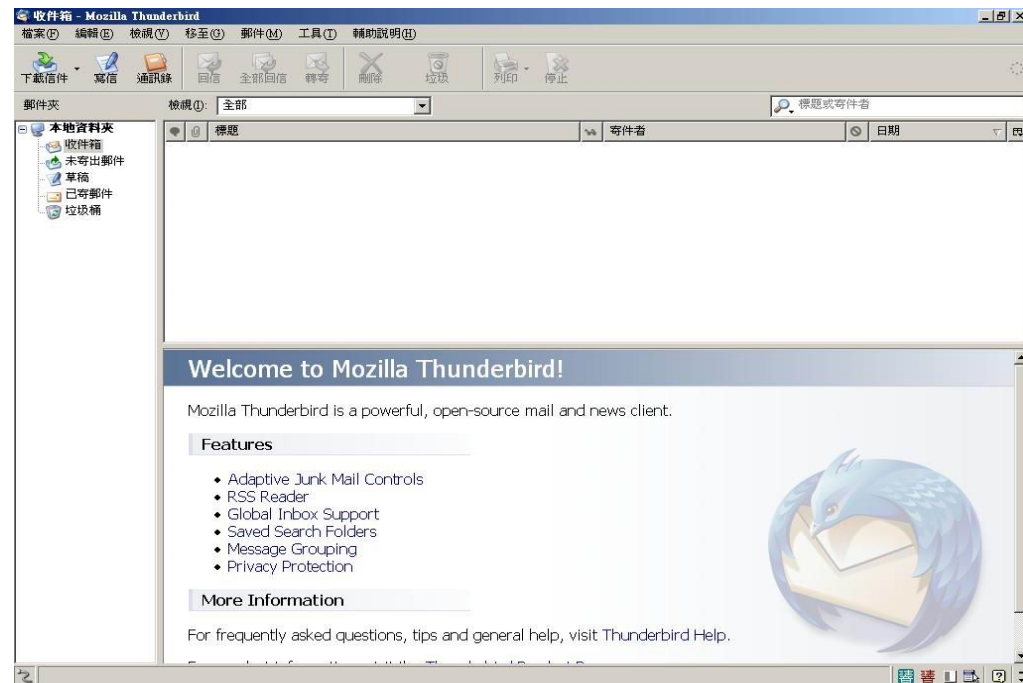 - Webmail

Mail User Agents

- ## Microsoft Outlook Express
  - – Bundled with Microsoft Windows.
  - – Easy to use.

Mail User Agents

- **Mozilla Thunderbird**
  - A free, open source, cross-platform e-mail client.
  - Features junk filtering, extensions, themes, etc.

Mail User Agents

- Webmail
  - An email service intended to be primarily accessed via a web browser.
  - For example: Gmail, Yahoo! Mail, Hotmail, and NCNU Webmail, etc.

Mail Letter Format 寫信的正確格式

- 簡易格式說明
  - 稱謂及敬語
  - 開頭問候語 (問候、思念、欽佩、祝賀、致謝 ...)
  - 正文
  - 結尾祝福語
  - 署名及敬語
  - 日期
- 遵守格式的優點
  - 禮貌、尊重他人
  - 展現誠意

Mail Letter Format 寫信的正確格式

- 範例

  吳坤熹 老師：

  　　老師好，我是唐瑋勵。我想知道我的期末成績，能否煩請老師查詢一下？
  　　謝謝！

  祝 身體健康

  資工系 唐瑋勵 敬上
  2008/09/19

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Mail Letter Format 寫信的正確格式

- Fatal Error 致命錯誤
  - 種類一：毫無誠意的一行文
    - 範例：老師我期末成績如何 ?? 考不好讓我過好不好 ???
  - 種類二：ㄅㄆㄇㄈ注音文滿天飛
    - 範例：ㄋㄇㄅ做業寫好ㄌㄇ？ 偶解ㄅ出來 ??
  - 種類三：寫錯字，用錯標點符號
    - 新注音、新酷音、自然輸入法愛用者務必注意，自動選詞選字並非 100% 正確！
    - 其他情況者 ... 呃 ... 請好好上國文課。
  - 用心寫信不會少塊肉，有好處沒壞處。務必避免發生！

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Q&A: Any questions?

Thanks!

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September 19th, 2008.