

Homework#2 SIP Project



Embedded Systems and Wireless Networking Labs

NTU CSIE VoIP 2005 Spring



Homework#2 SIP User Mobility

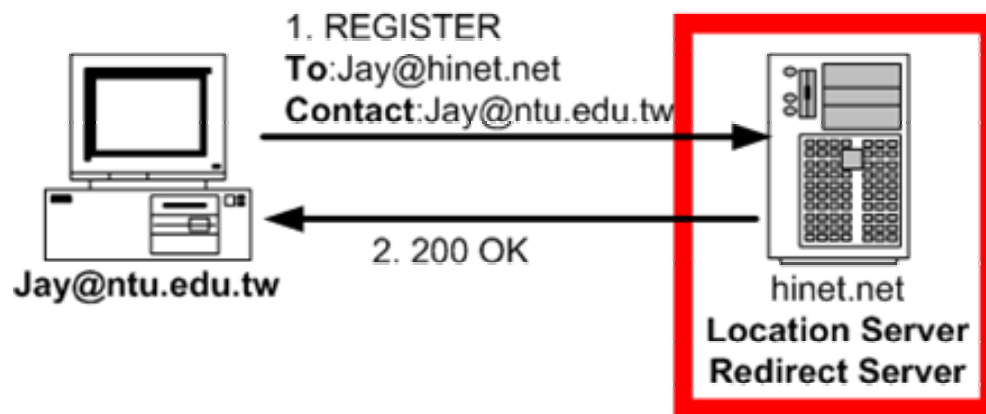
- **實驗目的**

- 藉由Location Server和Redirect Server的設計，深入瞭解SIP的運作及訊息格式。

- **實作部分**

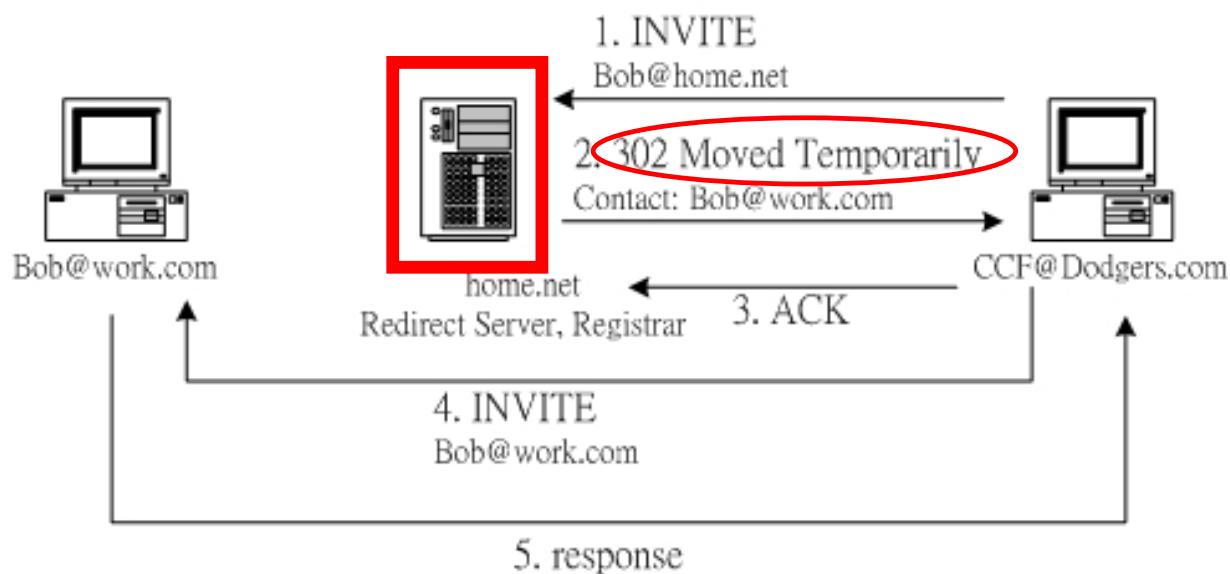
- 實作一個 Location Server 來接收 SIP REGISTER，而且要將 REGISTER 中 Contact header 裡的URI記錄下來。
- 作出一個Redirect Server可以正確的提供302 Moved Temporarily及正確的位置。

Location Server



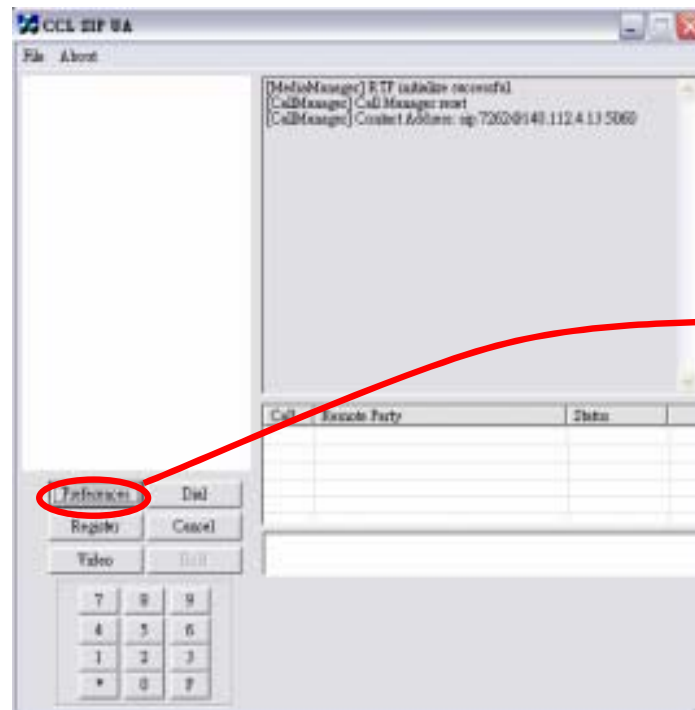
Redirect Server

RFC3261 8.3 Redirect Servers



Sample [1/5]

- CCL SIP User Agent

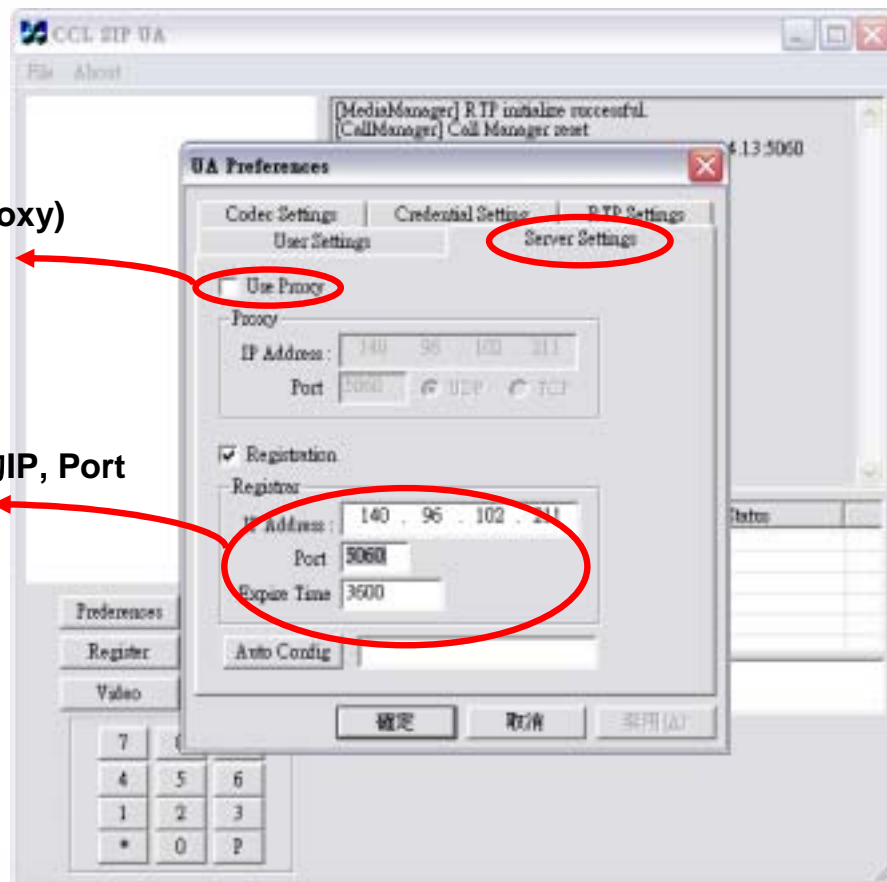


(1) Preference
(喜好設定)

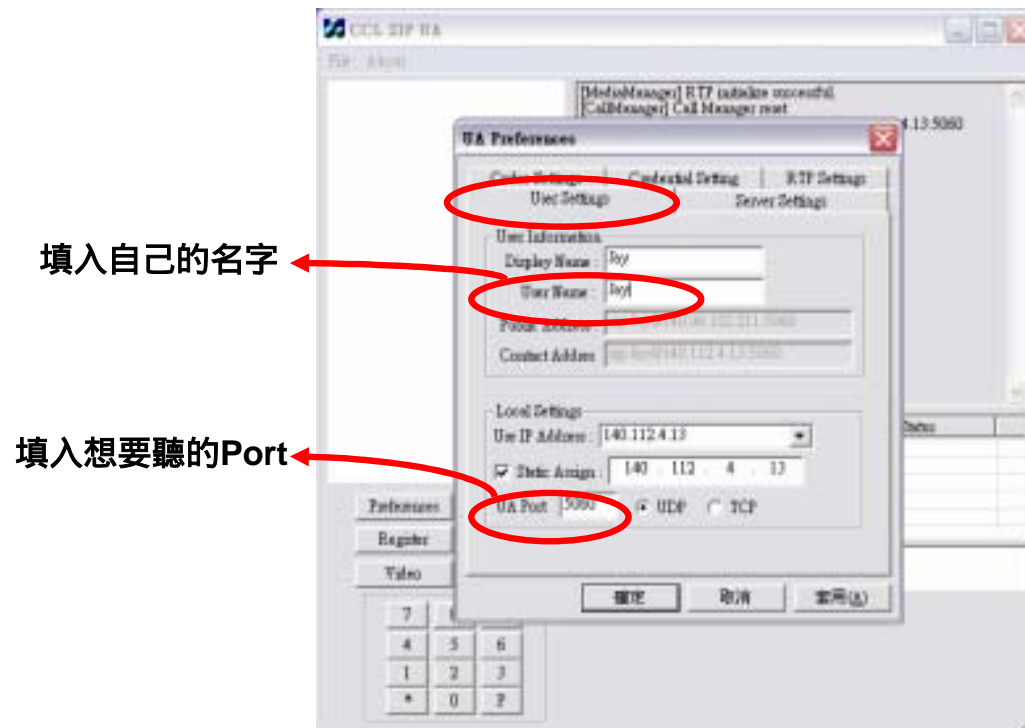
Sample [2/5]

勾掉(因為不用Proxy)

填入Registrar的IP, Port

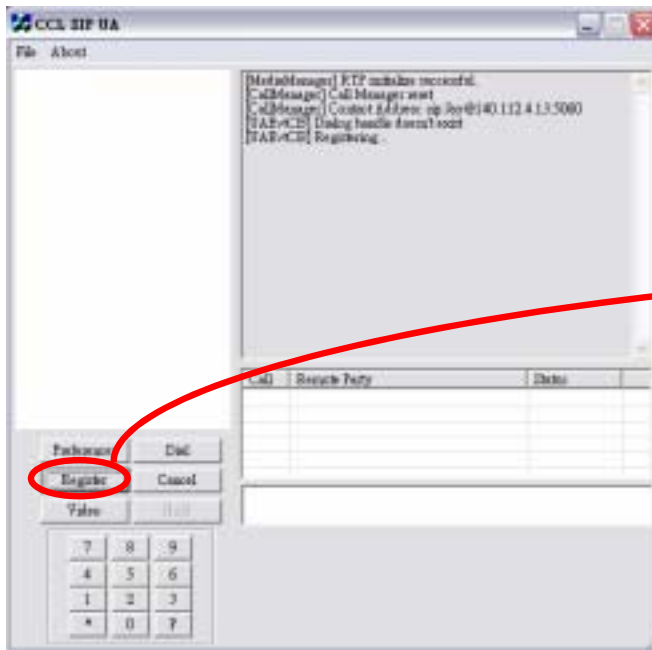


Sample [3/5]

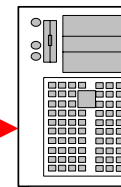


Sample [4/5]

Jay@ntu.edu.tw



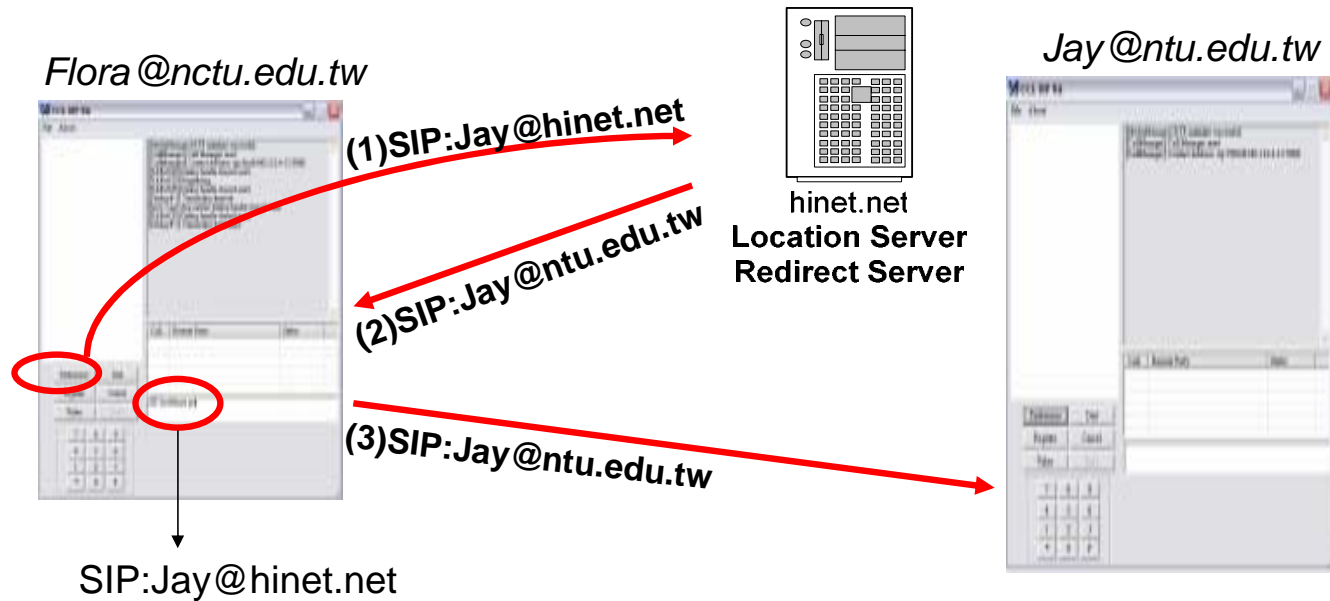
REGISTER
To: Jay@hinet.net
Contact: Jay@ntu.edu.tw



hinet.net
Location Server
Redirect Server

200 OK

Sample [5/5]



程式實做部分

- Location Server, Redirect Server可用各種程式語言實做，包括Java Socket, WinSock, Perl, Berkely Socket
- 程式架構如下：

