

六、BBS 設置

1. 首先請取得 BBS source (中山大學 140.117.11.3 /pub1/nsysu)。

```
ftp 140.117.11.3
```

```
Connected to 140.117.11.3.
```

```
220- =====
220- ==          ***** 中華民國國立中山大學電算中心 *****          ==
220- ==          ***** -- 美麗之島檔案伺服器 -- *****          ==
220- == ***** FTP.NSYSU.EDU.TW *****          ==
220- ==  _/_/_/_/  _/_/_/  _/_/_/  _/  _/  _/_/_/  _/_/_/  _/_/_/  ==
220- ==  _/      _/  _/  _/  _/  _/_/  _/_/  _/  _/  _/  _/  _/  ==
220- ==  _/      _/  _/  _/  _/  _/_/_/_/  _/  _/  _/  _/  _/  ==
220- ==  _/_/_/_/  _/  _/  _/_/_/  _/  _/  _/  _/  _/  _/_/_/  _/_/_/_/  ==
220- ==  _/      _/  _/  _/  _/  _/  _/  _/  _/  _/  _/  _/  ==
220- ==  _/      _/  _/  _/  _/  _/  _/  _/  _/  _/  _/  _/  ==
220- ==  _/      _/_/_/_/  _/  _/  _/  _/  _/_/_/_/  _/_/_/_/  _/  _/  ==
220- == ***** National Sun Yat Sen University *****          ==
220- == ***** Computer Center *****          ==
220- ==          ***** -- FORMOSA -- *****          ==
220- ==          ***** Ftp Server *****          ==
220- =====
```

```
220-
```

```
220 <NSYSU.edu.tw> Anonymous FTP Server Welcome User From
moesun.nsysu.edu.tw(140.117.1.250)
```

```
Name (140.117.11.3:hsu): ftp
```

```
331 Guest login ok, send your complete e-mail address as password.
```

```
Password:
```

```
230- =====
230- == Following are some new functions in NSYSU anonymous ftp:          ==
230- == -----          ==
230- == (I) Example: "cd Chinese-star" , you can type as follow format ==
230- == 1: "cd C"      --> match the string from the first char.      ==
230- == 2: "cd C*"     --> same as 1. match from the first char.      ==
230- == 3: "cd *inese" --> match the string from the last char.      ==
230- == 4: "cd *hine*" --> match the string at any place.              ==
230- ==          ==
230- == (II) Example: "ls --chin" and "ls ++chin"          ==
230- == 1. "ls --chin" --> search all files which name match "chin" ==
230- ==                  from root directory.                    ==
230- == 2. "ls ++chin" --> same as 1. but match "chin","ChIn"..etc ==
230- ==                  capital and small letters are the same.    ==
```

```

230- ==
230- == (III) "ls ##" --> report the total files size under your ==
230- == current directory. But please dont use this ==
230- == in "/" or "/pub", it will slow down system. ==
230- == ----- ==
230- == Admin MBox: (lmj@cc.nsysu.edu.tw) (ether@cc.nsysu.edu.tw) ==
230- =====
230-
230 Hi! Welcome Guest hsu@cc.nsysu.edu.tw (from 140.117.1.250) Login NSYSU Ftp Server!
ftp> cd publ
250 CWD command successful.
ftp> cd nsysu
250 CWD command successful.
ftp> dir
200 PORT command successful.
150 Opening ASCII mode data connection for /bin/ls.
total 4
drwxr-xr-x  4 root    1          512 Dec 21 14:20 mac
drwxr-xr-x  2 root    1          512 Apr 13 17:27 nsysu-bbs
drwxr-xr-x  6 root    1          512 Apr 16 05:07 pc
drwxr-xr-x 16 root    1          512 Apr 13 17:40 unix
226 Transfer complete.
255 bytes received in 0.17 seconds (1.5 Kbytes/s)
ftp> cd nsysu-bbs
250 CWD command successful.
ftp> dir
200 PORT command successful.
150 Opening ASCII mode data connection for /bin/ls.
total 256
-rw-r--r--  1 root    1          251416 Apr 13 17:26 nsysu-bbs-1.0.tar.gz
226 Transfer complete.
88 bytes received in 0.14 seconds (0.63 Kbytes/s)
ftp> bin
200 Type set to I.
ftp> get nsysu-bbs-1.0.tar.gz
200 PORT command successful.
150 Opening BINARY mode data connection for nsysu-bbs-1.0.tar.gz (251416 bytes).
226 Transfer complete.
local: nsysu-bbs-1.0.tar.gz remote: nsysu-bbs-1.0.tar.gz
251416 bytes received in 1.5 seconds (1.6e+02 Kbytes/s)
ftp> quit
221 Goodbye.

```

```
moesun# ls -l
total 266
drwxr-xr-x  3 root          512 Apr 20 09:15 .
drwxr-sr-x 19 root          512 Apr 19 13:45 ..
drwxr-xr-x  2 root        8192 Apr 16 08:41 lost+found
-rw-r--r--  1 root       251416 Apr 20 09:15 nsysu-bbs-1.0.tar.gz
```

2. 解壓縮檔

```
moesun# /usr/local/bin/gunzip nsysu-bbs-1.0.tar.gz
moesun# ls
total 1306
drwxr-xr-x  3 root          512 Apr 20 09:27 .
drwxr-sr-x 19 root          512 Apr 19 13:45 ..
drwxr-xr-x  2 root        8192 Apr 16 08:41 lost+found
-rw-r--r--  1 root       1318912 Apr 20 09:15 nsysu-bbs-1.0.tar
moesun# tar xvf nsysu-bbs-1.0.tar
```

3. 修改 config.h 中。

MAXUSERS：系統中最大註冊人數。

MAXACTIVE：最大同時上線人數。

HOME_BBS：指定 bbs 的根目錄。

MAXBOARD：可容納最多的 board 數目。

以上幾個常數，可依機器上的硬體，記憶體做適當的調整及

CLOAK：能使用隱形的等級

SEE_CLOAK

管理者可視自己理念加以設定

4. 修改 bbs.h 中

*HOME*BBS: bbs 的根目錄。

5. 在 /etc/passwd 開設 bbs 的帳號

```
bbs::9999:99:Bulletin Board System:/apps/bbs:/apps/bbs/bin/bbsrf
```

6. make 開始編譯程式得到執行檔 bbs, bbsrf, bbs.chatd

```
moesun# make
```

```
moesun# make bbsrf
```

7. 建立 HOME**BBS** 的目錄

```
moesun# make install
```

8. 在 HOME**BBS** 的目錄下，編寫 Welcome 畫面，存成 Welcome

9. 將須要的外部程式的執行檔置於 HOME**BBS**/bin 下。

(irc, tin, gopher, okbridge, 4m.....)