艾揚教育訓練教材

- 課程編號:TEmbedded-10-002-tw
- 課程名稱: Remote Administration Framework

講師:

課程章節

- Remote Administration Framework 設計架構
- Client-side Plug-in
- Server-side Plug-in
- Lab

iPush[®] Embedded 架構



Remote Administration Framework 設計架構

Tush Embedded Remote Administration Connection Help Autoexec Programs System Informati	lient PC] ×	RA Service On WinCon-8000		
At most 10 programs can be specified to execute automatically when system started. And there is none dependency between programs.	Program 1: Program 2: Program 3: Program 4: Program 5: Program 5: Program 7: Program 7: Program 9: Program 10:	VCompact FlashUceTechnologyùPushBoot.4		RA Framework	Server Plug-in Server Plug-in
Ready		Connected			

Client Plug-in

Server Plug-in

Client-side Plug-in





Client-side Plug-in 實作

- 使用 Visual C++ 6.0 建立的 Windows DLL
- 實作介面函式
- 畫出對話方塊
- 設定對話方塊名稱 m_PluginName
- 客戶端需求的傳送方式
- 接收回應的方式
- 必須編輯 Plugins.ini

Client 送出命令的方法

```
void CMyDialog::OnBtnSend()
ł
  CString sRequest;
  GetDlgItemText(IDC_EDIT_REQUEST, sRequest);
  q_SendRequest(g_nPluginID,
                          (long)this,
                    "ServerSample.dll",
                    (LPCTSTR)sRequest,
                    sRequest.GetLength(),
                    OnResponse);
```

Server-side Plug-in



Server-side Plug-in 實作

- ・ 實作成 Windows CE.NET DLL (eVC 4.2 + SP3)
- 實作介面的函式
- 接收客戶端訊息
- 傳回回應的方式

```
PLUGIN_MESSAGE struct
{
    long ConnID;
    long TotalBytes;
    long StgHandle;
    WRITE_FUNC WriteData;
    TRANSMIT_FUNC TransmitFile;
}
```

Lab

Lab (40 分鐘)

如何利用遠端管理架構 取得遠端系統時間

Lab 內容

- Section 1: 建立客戶端 Visual C++ 對話方塊專案
- Section 2: 建立客戶端的對話方塊介面
- Section 3: 加入對話方塊物件類別資料
- Section 4: 實作 Client Sample DLL 被呼叫的介面
- Section 5: 傳送命令的處理方式
- Section 6: Callback 的函式宣告與實做
- Section 7: 伺服端的 DLL 設計 (WinCon-8000)
- Section 8: 實作伺服端的回應訊息
- Section 9: 部署與測試功能