



## FAQ / Application Note

**Subject : How to implement FTP and TELNET Server in Windows CE 5.0**

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Model Name. all

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Category: General H/W S/W Others, 寫小分類

Purpose :

### I. OS design information:

The following components are necessary to implement security for FTP and telnet server:

➤ **FTP server:**

Core OS→Windows CE devices→Communication Services→Servers->FTP server

➤ **Telnet server:**

Core OS→Windows CE devices→Communication Services→Servers->Telnet server

➤ **Authentication Services [SSPI] NTLM:**

Core OS→Windows CE devices→Security-> Authentication Services (SSPI)->NTLM

The attached application SetUserPass.exe is used to dynamically add User name and password for security. And it should be included within NK.bin.

➤ **SetUserPass.exe:**

Copy SetUserPass.exe to \WINCE500\PBWorkspaces\ [Your workspace] \WINCE500\ [Your BSP] \_x86\OAK\files. And then modify your Project.bib as follows:

**SetUserPass.exe \$(\_FLATRELEASEDIR)\SetUserPass.exe NK**

### II. Registry:

Add the following registry keys and values into Platform.reg

➤ **FTP server:**

[HKEY\_LOCAL\_MACHINE\COMM\FTPD]

"AllowAnonymous"=dword:0

"AllowAnonymousUpload"=dword:0

"DefaultDir"="\\Temp" ;;This should be modified by end user

"IsEnabled"=dword:1

"UseAuthentication"=dword:1

"AllowLowPortValues"=dword:0

"UserList"="@\*"

➤ **Telnet sever:**

[HKEY\_LOCAL\_MACHINE\COMM\TELNETD]

"IsEnabled"=dword:1

"UseAuthentication"=dword:1

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"UserList"="@\*"

### III. Implement Sysgen to get final NK.bin

### IV. SetUserPass.exe

In Command Prompt in windows CE 5.0, execute SetUserPass.exe to add user name and password as follows:

**> setuserpass [username] [password]**

### V. Implement FTP server

In your host PC explorer, use the following command to link windows CE FTP server:

**[ftp://\[username\]@\[IP Address\]](ftp://[username]@[IP Address]) (Ex: <ftp://admin@192.168.0.157>)**

After a logon window appears: input username and password to complete connection.

### VI. Implement Telnet server

In your host PC console window, use the following command to link windows CE telnet server:

**C:\telnet [IP Address] (Ex: telnet 192.168.0.157)**

Press Enter and then input username and the respective password.

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