How to use VCEP to remotely control and monitor WinPAC and ViewPAC from anywhere on the Ethernet

Applies to:

Platform	*OS Version*	*PAC Utility Version*
WinPAC	*All Versions*	*All Versions*
ViewPAC	*All Versions*	*All Versions*

The ICP DAS VCEP is designed to help you manage your WinPAC/ViewPAC for any location. No matter where you are, the ICP DAS VCEP provides a convenient environment on your PC to remotely control the WinPAC and ViewPAC, capture screen of the WinCE PAC on PC, and synchronize files on the two sides and record screen activity to video.

The ICP DAS VCEP is composed of two main components: the ‘Server’ which runs on WinCE PAC and the ‘Client’ which runs on a regular PC. Once a connection is established between the client and server, the client periodically requests screen updates and sends mouse/key events to the server.



For more detailed information on VCEP applications, please refer to:

http://www.icpdas.com/products/PAC/wincon-8000/wincon_VirtualCE.htm

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

In this article it introduces

1. How to get started with VCEP to link the WinPAC or ViewPAC via the LAN (page 2)
2. How to get started with VCEP to link the WinPAC or ViewPAC via the WAN (page 6)
3. After VCEP 5.0, make the Win PAC/ViewPAC active Connection from Server (page 10)
4. How to make the VCEP server always on over the PAC working time period (page 13)

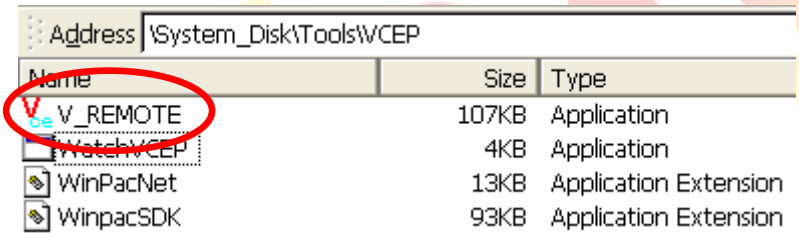
1. Linking the WinPAC or ViewPAC via the LAN

You just need to run the VCEP server on PAC, and then configure the VCEP client on the PC. The VCEP client would scan all the servers on the LAN automatically and list them for you to select one server to link with.

Note: If your WinPAC/ViewPAC is behind the firewall, please make sure to keep port **1899** and **1903** open.

Server execution on WinPAC/ ViewPAC Side

Step 1: Go to “\System_disk\Tools\VCEP” folder and double click **v_remote.exe**.



Client configuration on PC Side

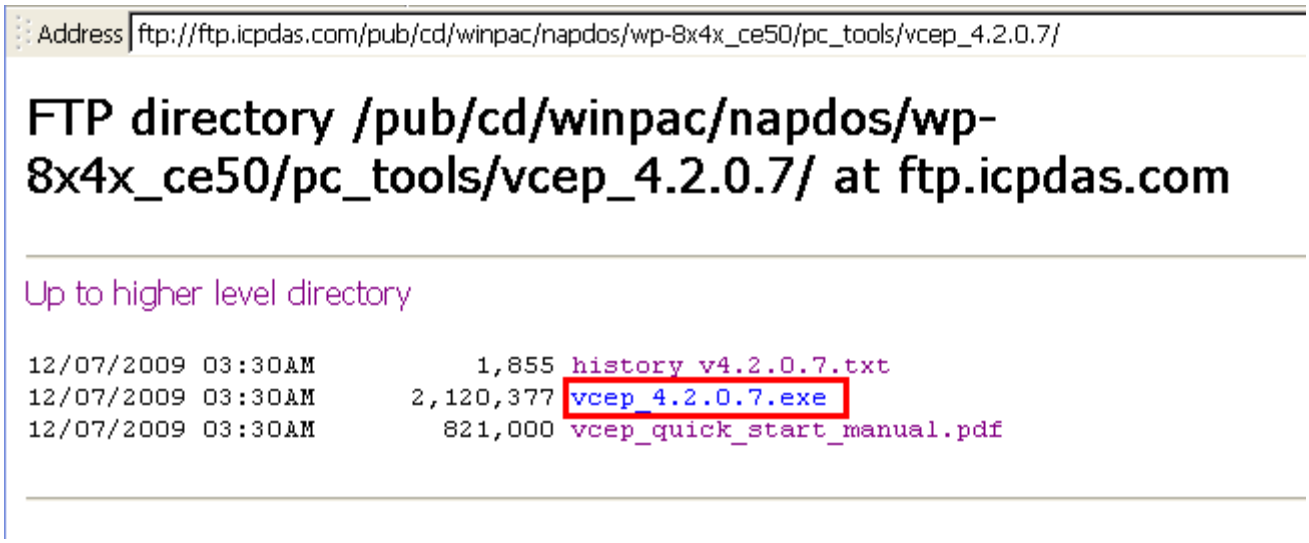
Step 2: Install the VCEP client on your host PC.

The “vcep_4.2.0.7.exe” file is located at

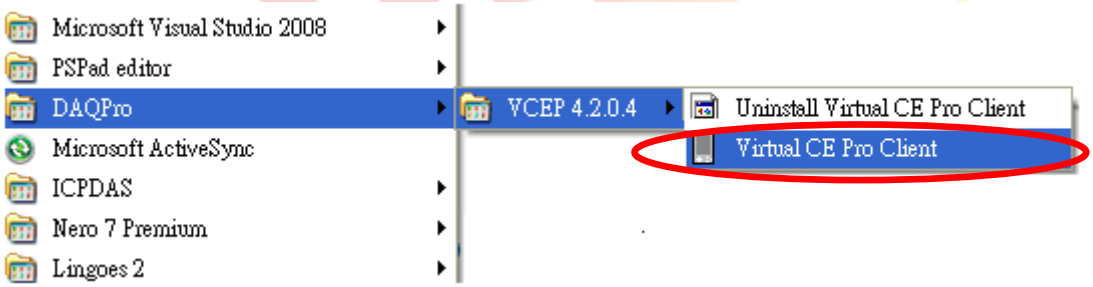
Companion CD: \ napdos\wp-8x4x_ce50\pc_tools\vcep_4.2.0.7\ or

ftp://ftp.icpdas.com/pub/cd/winpac/napdos/wp-8x4x_ce50/pc_tools/vcep_4.2.0.7/

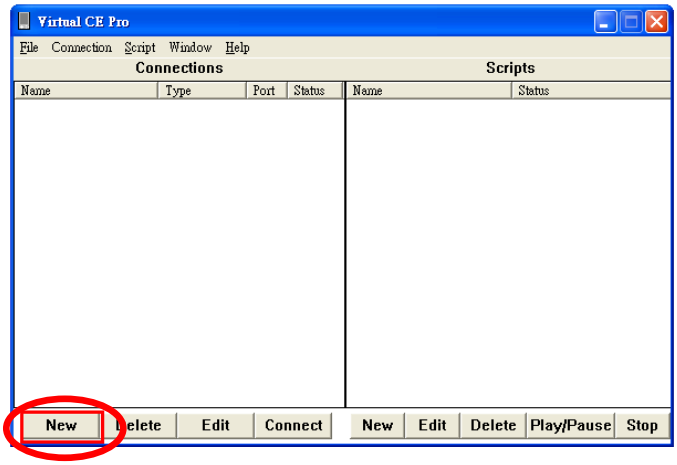
Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000



Step 3: Run the "**Virtual CE Pro Client**"

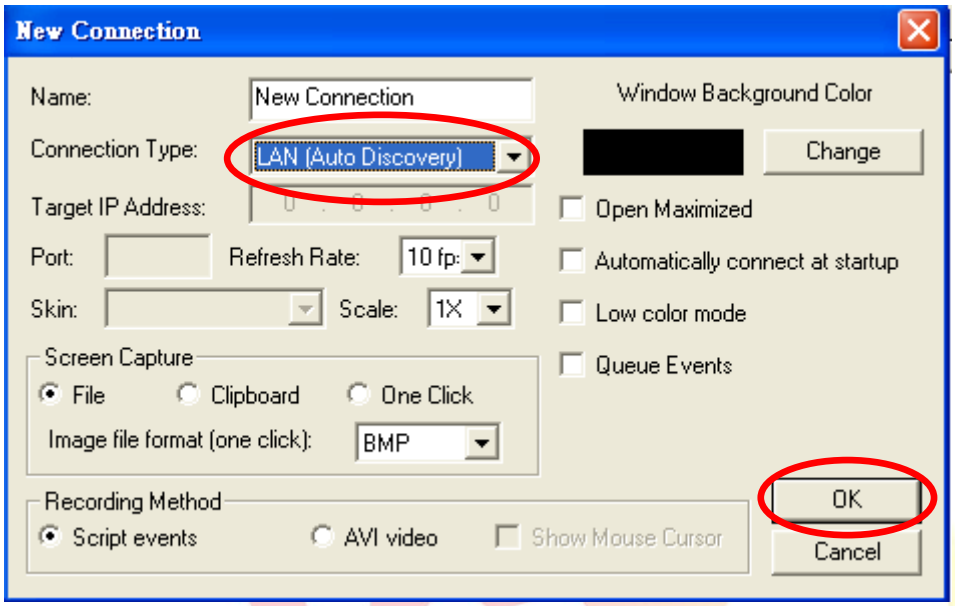


Step 4: Click the "New" button to add a new connection.

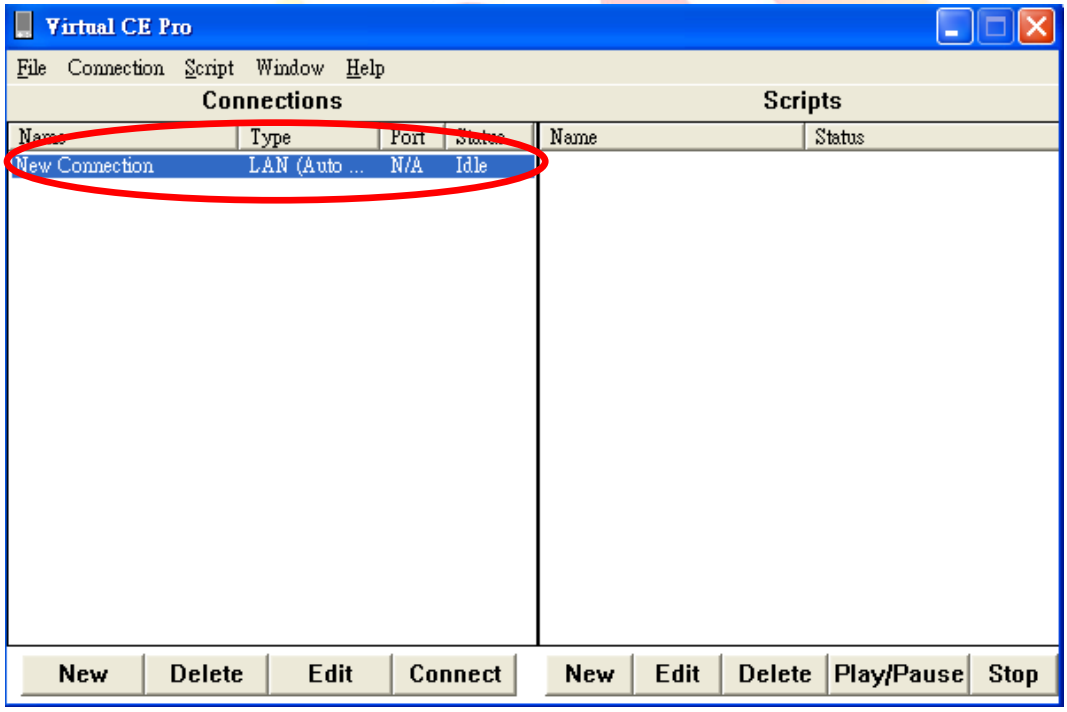


LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Step 5: Enter a name in the “Name” textbox, choose the “LAN (Auto Discovery)” item from the “Connection Type” comboBox and click the “OK” button.



The new connection is created in the “Connections” List as shown below.



Step 6: Double click the “New connection” item in the “Connections” List; the VCEP client program starts to scan the servers on the LAN.

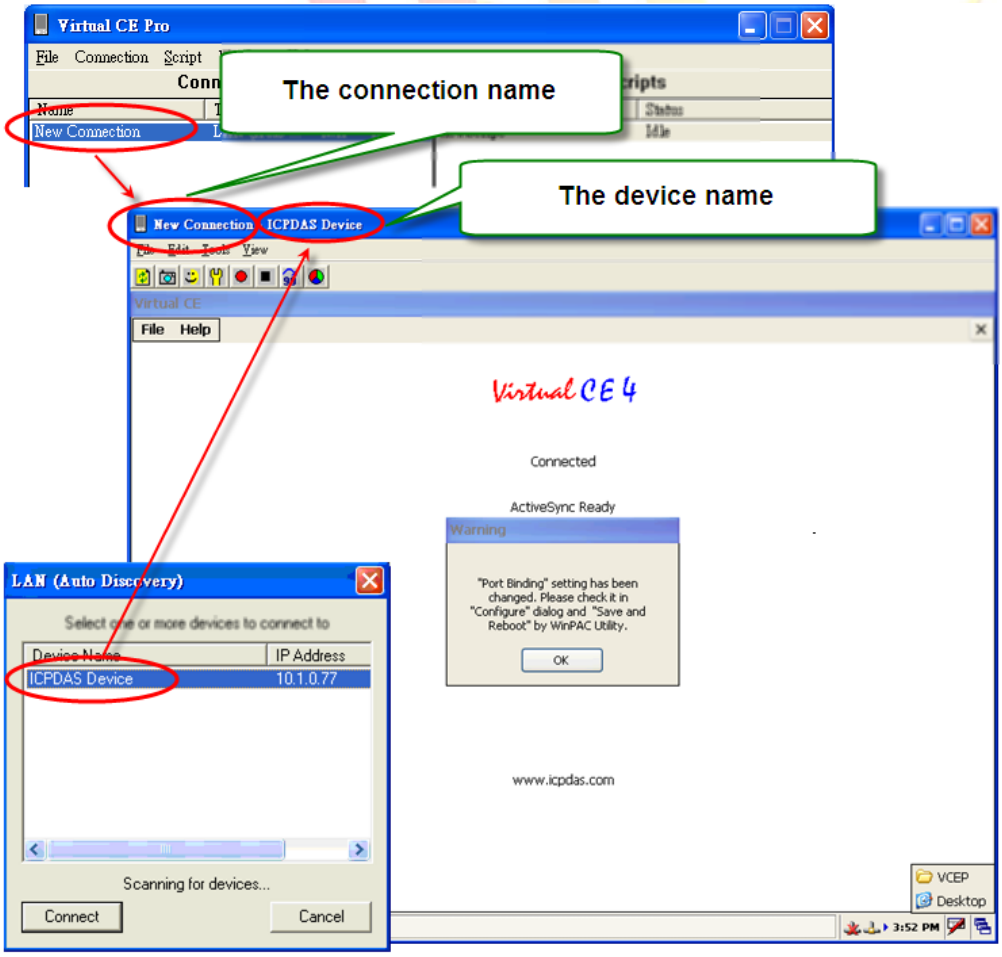
Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

The PAC which is running the v_remote.exe will be searched and added to the device list.

For example, the server is listed with Device Name "ICPDAS Device" and IP Address "10.1.0.77".



Step 7: Double click the target server; the desktop of the remote PAC will be displayed on the Host PC.

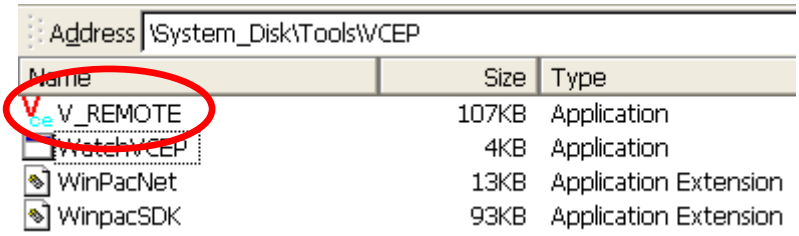


LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

2. Linking the WinPAC or ViewPAC via the WAN

Server execution on WinPAC/ ViewPAC Side

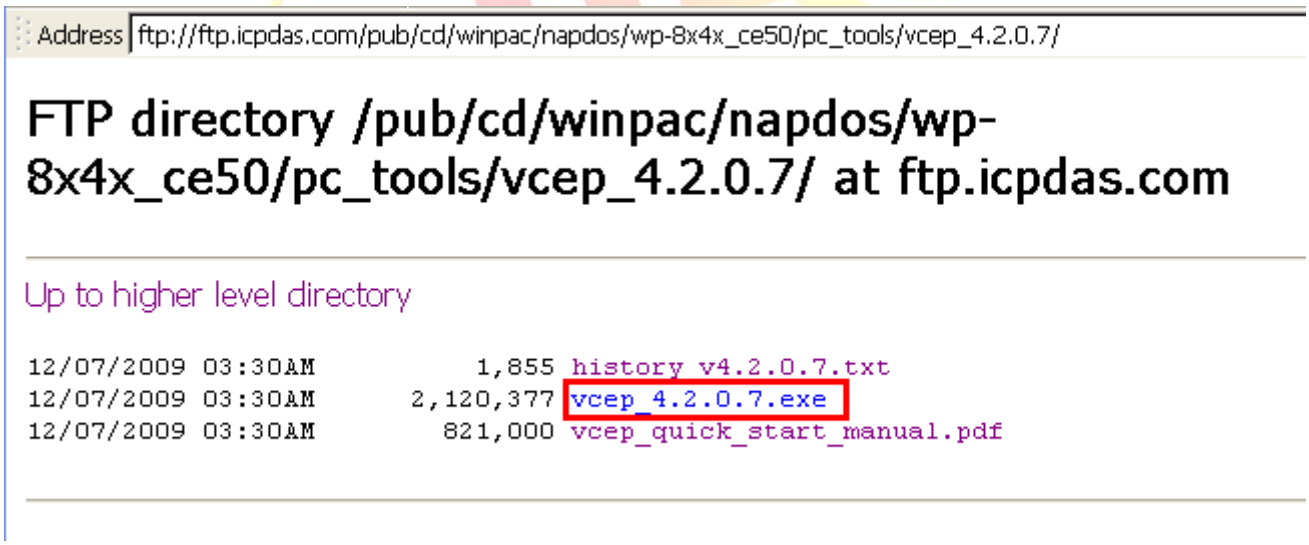
Step 1: Go to “\System_disk\Tools\VCEP” folder and double click **v_remote.exe**.



Client configuration on PC Side

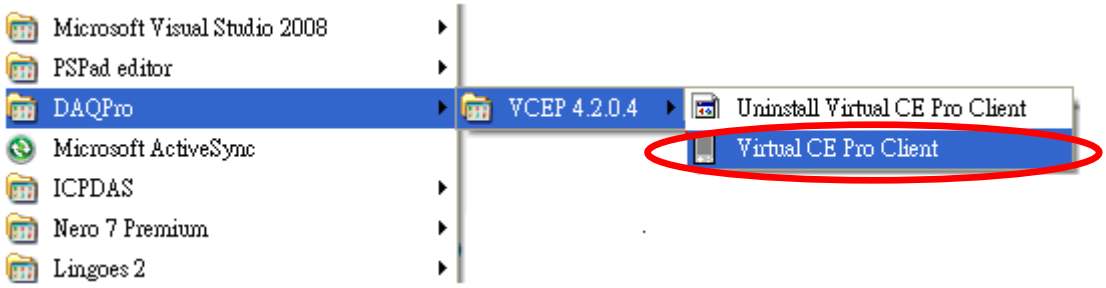
Step 2: Install the VCEP client on your host PC.

The “vcep_4.2.0.7.exe” file is located at Companion CD:\ napdos\wp-8x4x_ce50\pc_tools\vcep_4.2.0.7\ or ftp://ftp.icpdas.com/pub/cd/winpac/napdos/wp-8x4x_ce50/pc_tools/vcep_4.2.0.7/

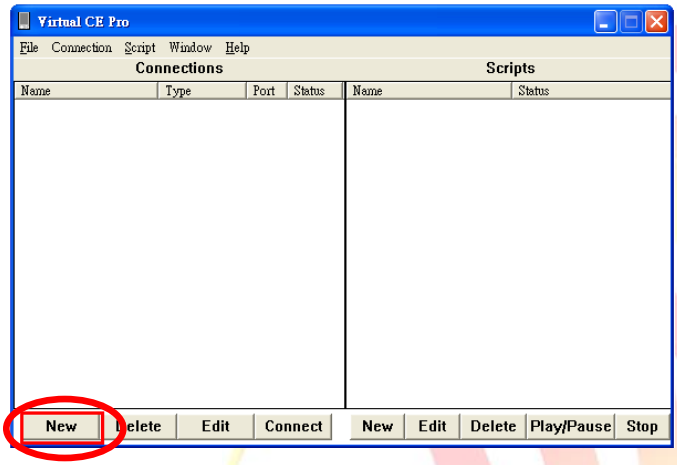


Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Step 3: Run the "**Virtual CE Pro Client**"



Step 4: Click the "New" button to add a new connection.



LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

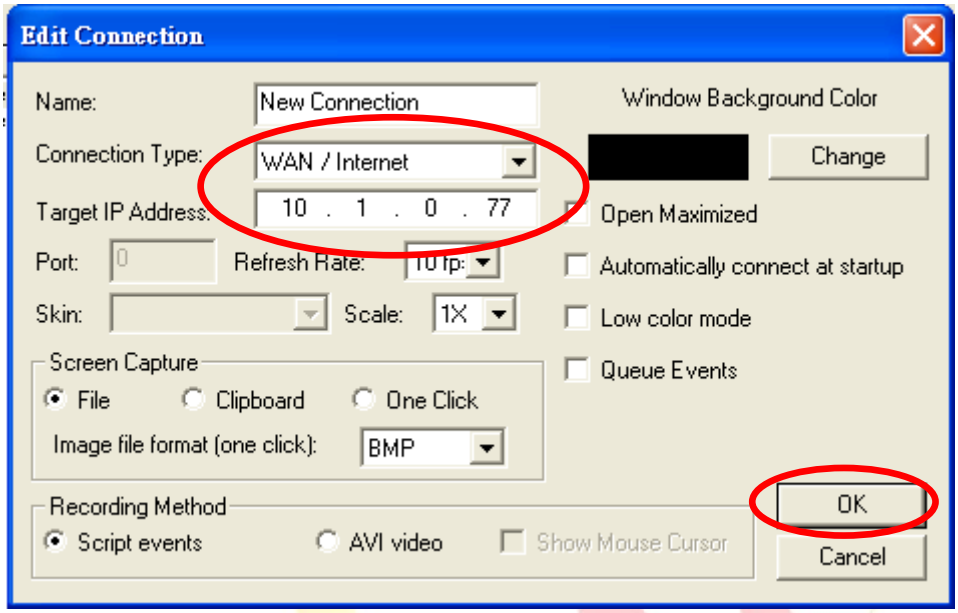
Step 5:

5.1 Enter a name in the “Name” textbox

5.2 Choose the “WAN / Internet” item from the “Connection Type” comboBox

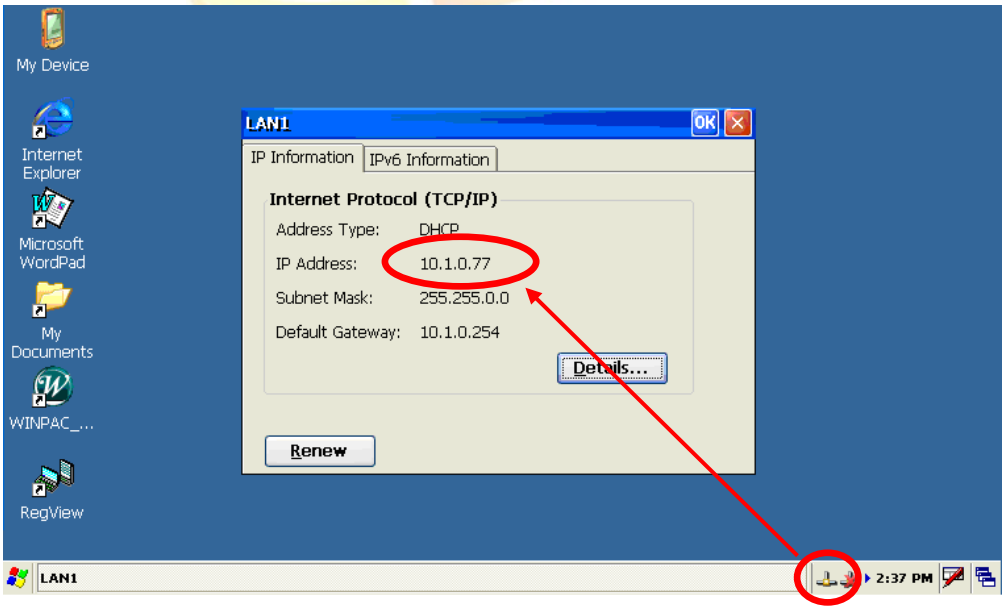
5.3 Enter the IP address of PAC (server) in the “Target IP Address” address box.

5.4 Click the “OK” button.



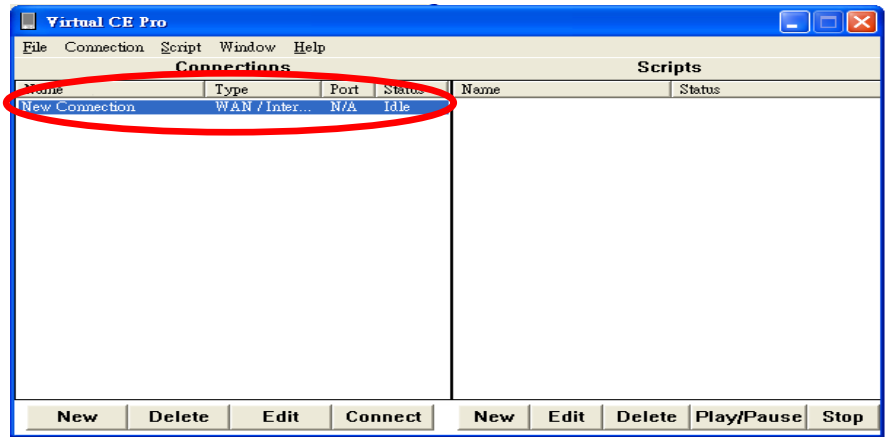
Tips & Warnings

⚠ *Get the IP Address of the PAC by double-clicking the connection icon on the task bar of the PAC.*

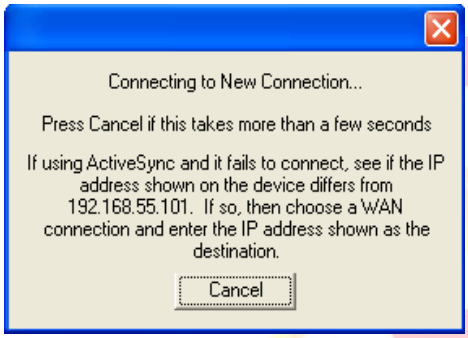


LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

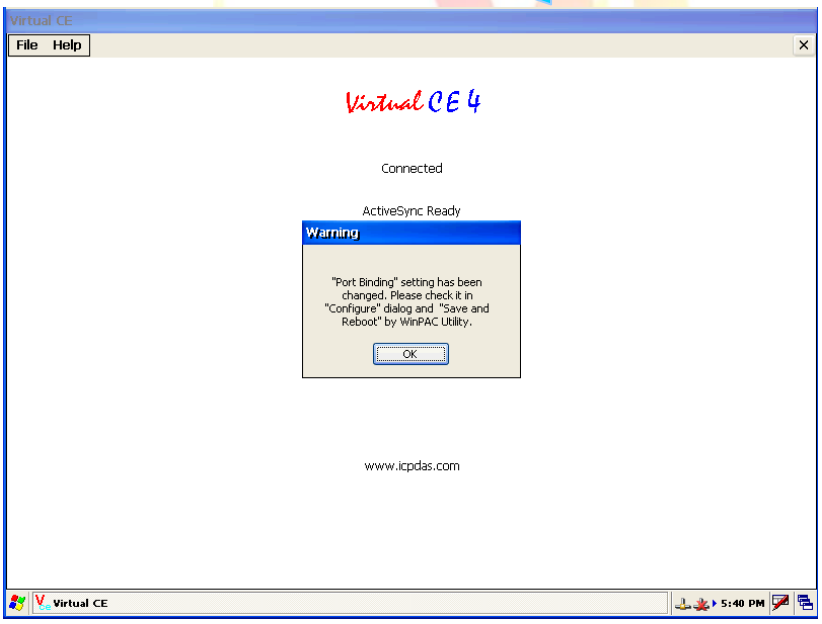
Step 6: Double click “New connection”.



Step 7: Wait few seconds for connection establishment. (Don’t click the “Cancel” button.)



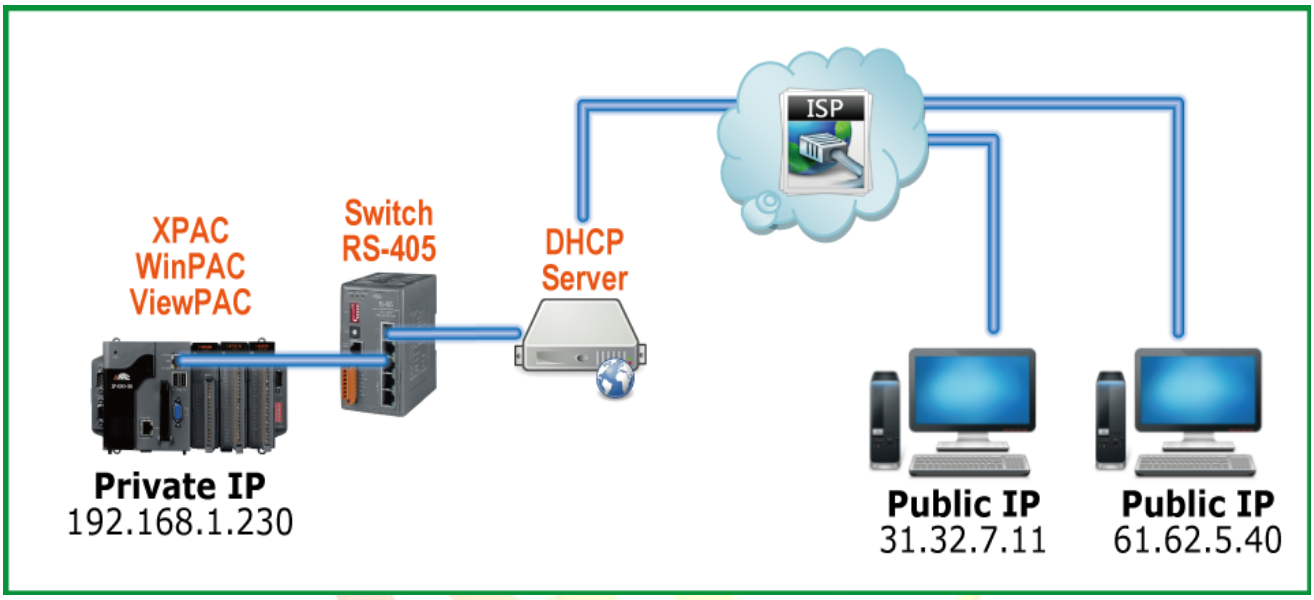
When the connection is established, the PAC Desktop is displayed on the Host PC.



LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

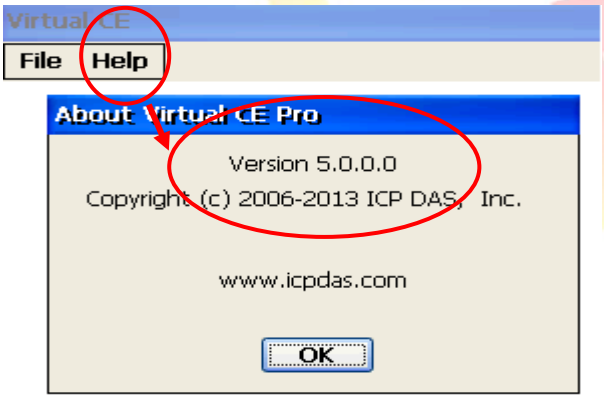
3. After VCEP 5.0, make the Win PAC/ViewPAC active Connection from Server

In some situation, WinPAC/XPAC/ViewPAC only has private IP in LAN, but has to communicate with PC in WAN

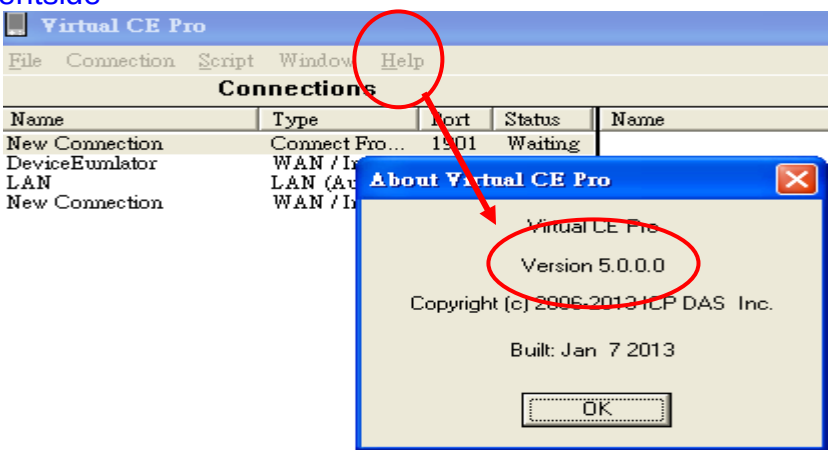


Step 1: Make sure the VCEP server and Client is version 5.0 or later.

Server side



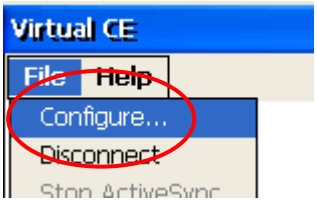
Clientside



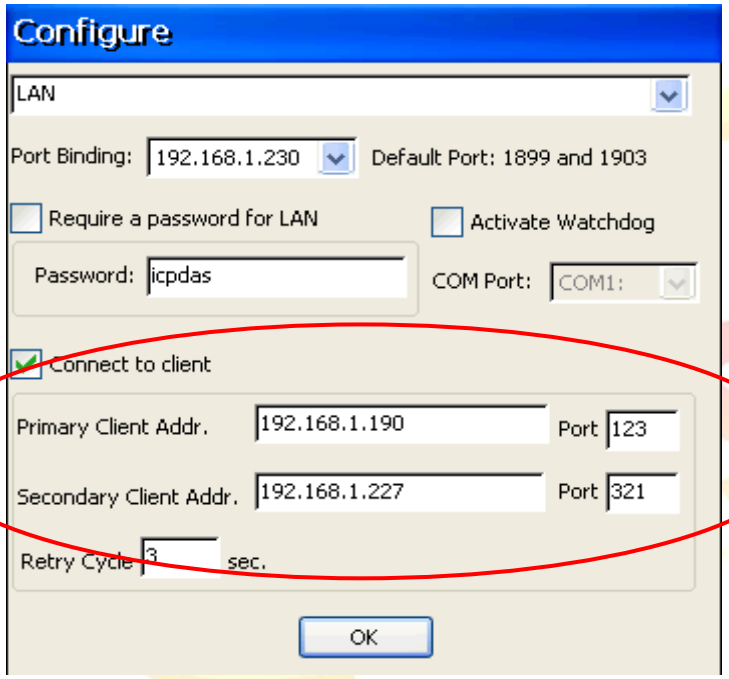
Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

PAC Side:

Step 2: Execute the VCEP, click the File->Configure menu operation.

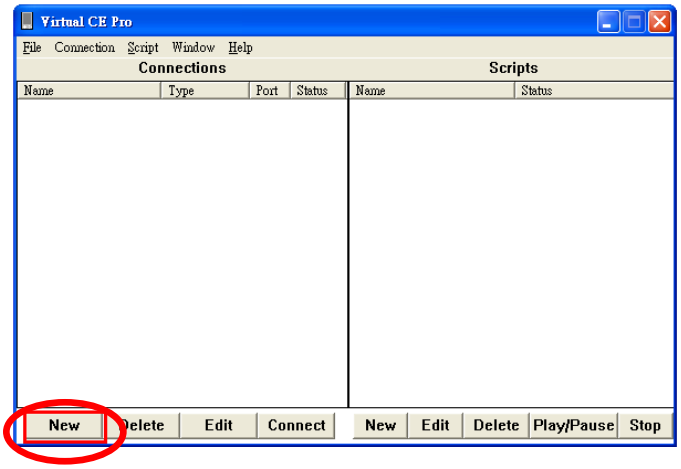


Step 3: Check 'Connect to client' and assign two 'Client Addr.' for active connection from WinPAC/ XPAC/ViewPAC. If the first 'Primary Client Addr.' cannot be connected to, VCEP will connect to the second 'Secondary Client Addr' automatically. If the connection of the first 'Client Addr.' restore, you have to disconnect the second connection manually to connect to the first one. The 'Retry Cycle' means the time between two connections



PC side:

Step 4: Click the "New" button to add a new connection.



Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Step 5:

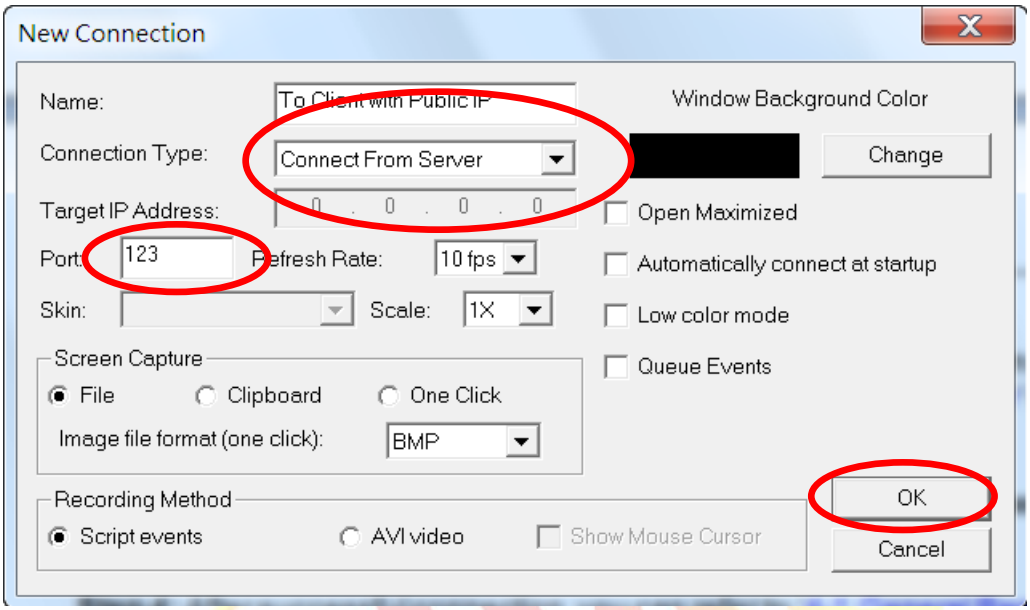
5.1 Enter a name in the “Name” textbox

5.2 Choose the “‘Connect From Server” item from the “Connection Type” comboBox

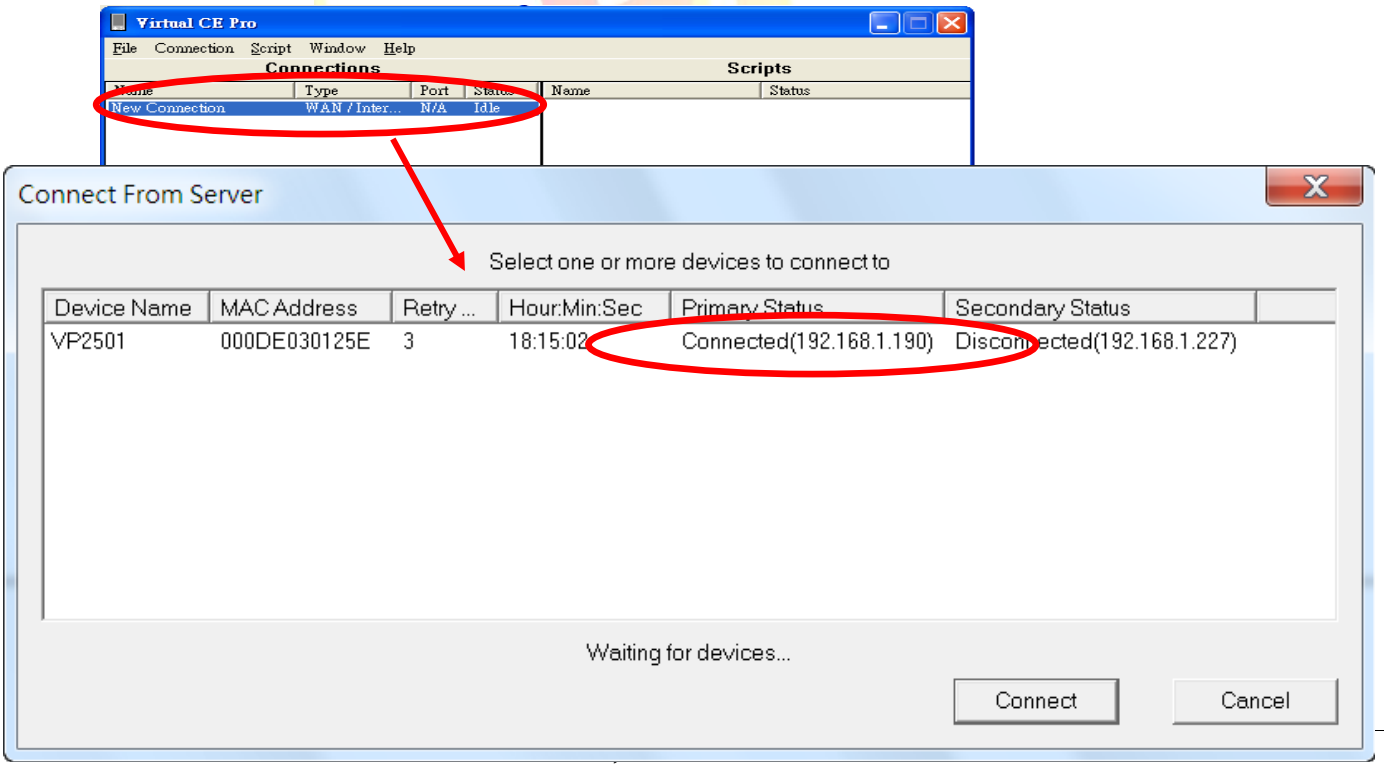
5.3 Enter the port number of PAC in the “Port: ” textbox.

(The ‘Port’ number should be the same with the ‘Port’ number at **Step 3**.)

5.4 Click the “OK” button.



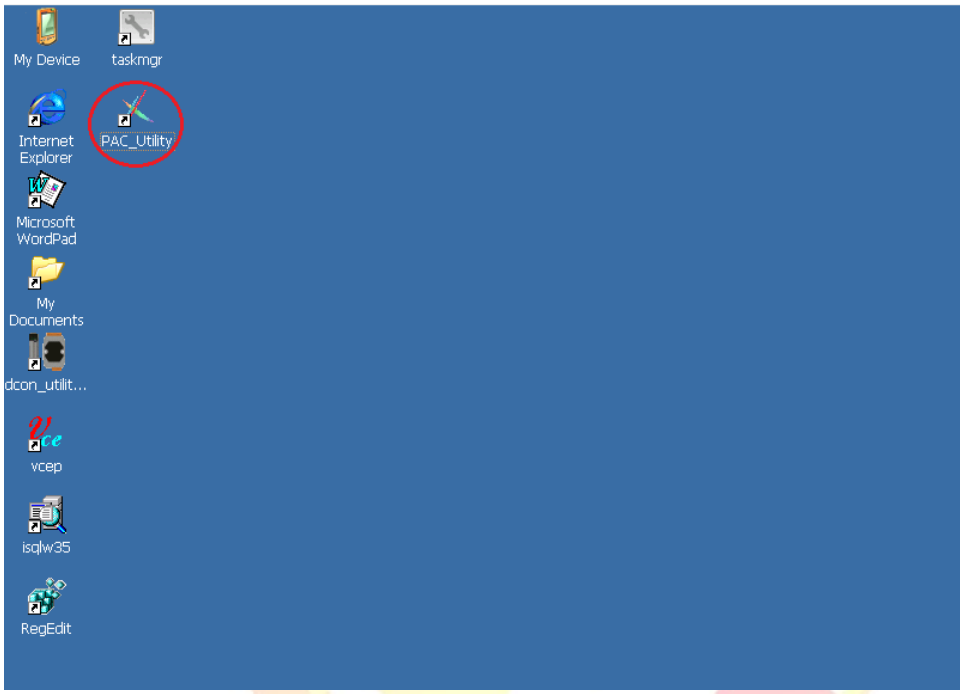
Step 6: Press the ‘Connect’ button and have patient waiting the connection from WinPAC/ViewPAC.



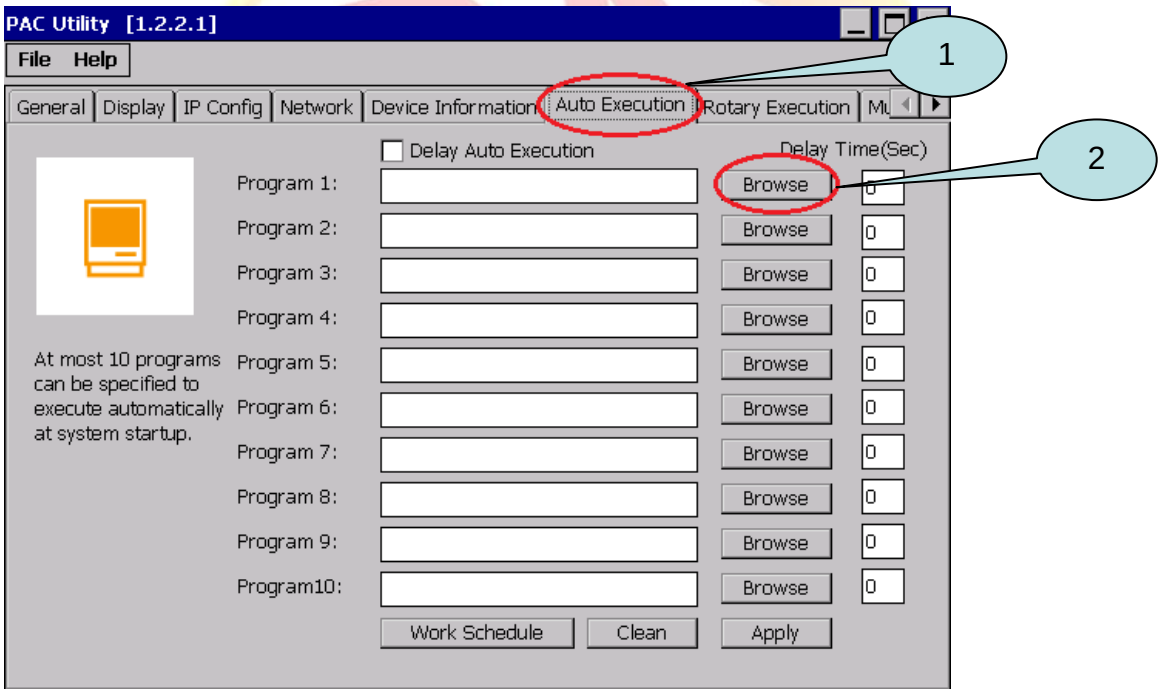
LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

4. Reboot mode for VCEP server always on

Step 1: Click” PAC_Utility ”

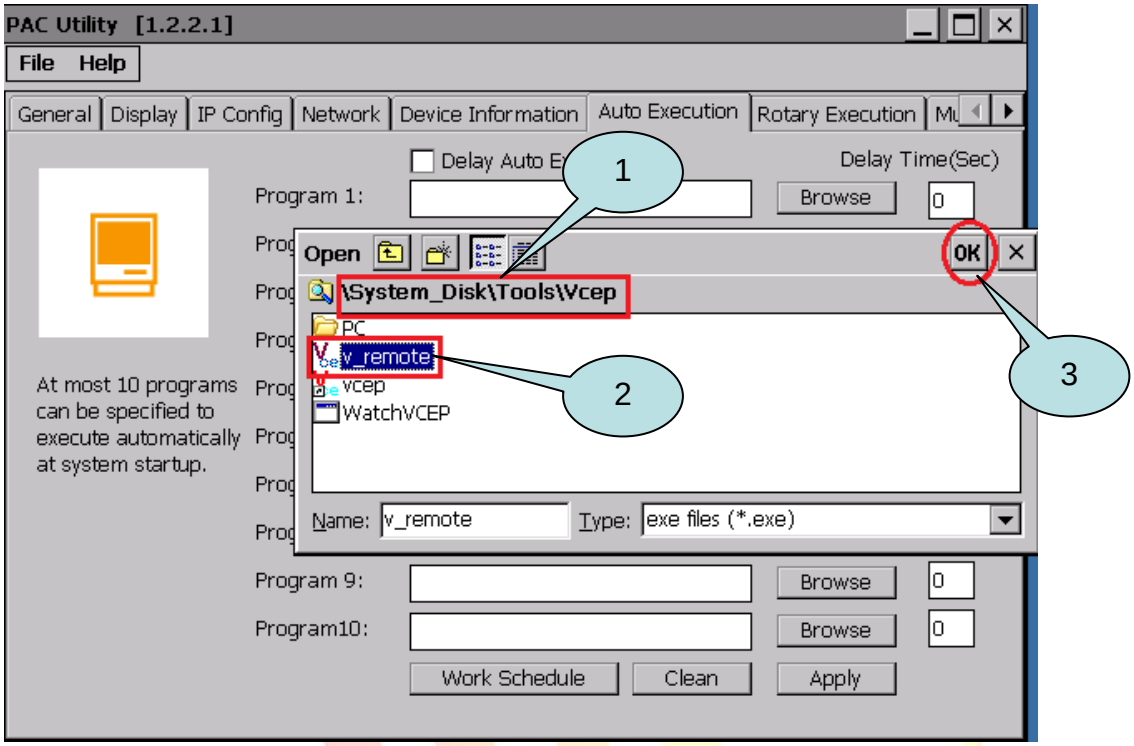


Step 2: Select” Auto Execution ” →Click” **Browse** ”

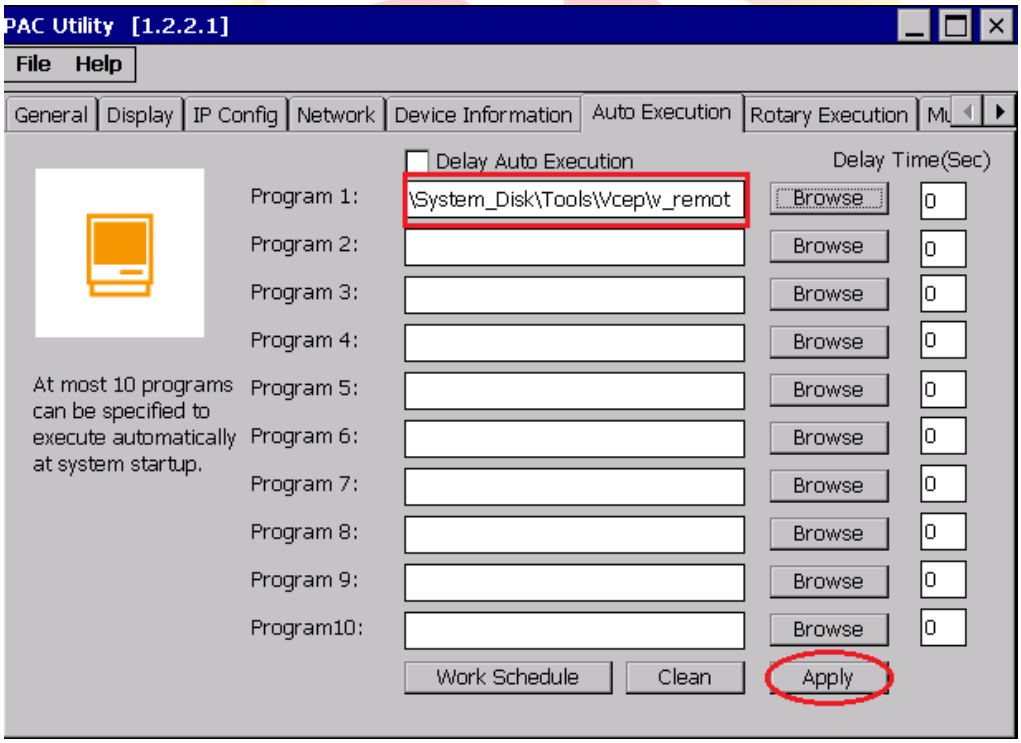


LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Step 3: Select the program by path



Step 4: click” Apply ” to save setting



LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000