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How to configure an authoritative time server in Windows Server

Appli	es to:		
	Platform	OS Version	PAC Utility Version
	WinPAC	All Versions	All Versions
	ViewPAC	All Versions	All Versions

The system time on the WinPAC is not always accurate, so you may need to use an authoritative time server in order to synchronize the system time on WinPAC. However, many people rely on the time server in their own network environment for security reasons. However the may not depend on an active internet connection and the availability of an external time server. To overcome this, you can use the Windows system be the PC as an authoritative LAN time server. ICPDAS now provide a program that allows you to control the Windows XP or Windows 2000 time sever settings, so that you can synchronize the system time on Win PAC with the LAN time server.

To configure an authoritative time server in Windows XP or Windows 2000, perform the following steps:

From the PC Side

Step 1: Execute the SNTP_server_interface.exe program to set the time server on the PC. (The SNTP_server_interface.exe program is located at CD:\\napdos\wp-8x4x_ce50\PC_Tools\ SNTP_server_interface)

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This interface can be used to start the time(SI or Windows Server 2003. When the time server is running, the other W the system time with this PC. Click the Start time service button to start tim	NTP) service on Windows XP FinPAC can automatically synchronize ne server
Start time service	Close time service

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Step 2: Click the "Start time service" button to start the time server. (If you want to close the time service, click the "Close time service" button)

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This interface can be used to start the time(SNTP) or Windows Server 2003. When the time server is running, the other WinPA the system time with this PC.) service on Windows XP AC can automatically synchronize			
Click the Start time service button to start time server				
Start time service	Close time service			

Step 3: After starting the time service, you will see the following message box. (click the "Yes" button to coutinue.)

The time server is running. If you cannot synchronize the WinPAC system time with the PC, try to synchronize the PC system time using the internet time server.
Tips & Warnings
Before you sychronize the WinPAC system time with the LAN time server, make sure the WinPAC and LAN time server can be connected to each other.
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From the WinPAC/ViewPAC Side

Step 4: Sychronize the WinPAC system time with the LAN time server.Step 4.1: Execute the PAC utility on the desktop and click the "General" page.Step 4.2: Click the "Configure" button.

PAC Utility [1.2.2.1] File Help Step 4.1		
General Display IP Config Network Device Informat	ion Auto Execution Rotary Execution Mu	
	Welcome to use PAC Utility This tool will help you easy to use PAC CE series.	
PAC Utility	Task Bar setting:	
· · · ·	🗖 Auto Hide	
	🔽 Always On Top	
	HIVE Registry:	
	Auto Save To Flash (Default)	
	Maunal Save To Flash	
Backplane Battery	Enable Autorun in plugging USB Disk	
Battery1 : OK OK	Enable Autorun in plugging Micro SD	
Configure the synchronization with a time server	Configure	Step 4.2

Step 4.3: Enter the IP address for the LAN time server.

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Step 4.4: Enter a value for the Synchronization frequency.

Step 4.5: Check the "Automatically synchronize with an internet time server" check box.

Internet Time 1.0.0.2 Step 4.3
Step1: perver: tock.usno.nav.mit Step 4.4
Step2: Autoupdate Frequency: 5 minute
Step3: Step 4.5
Automatically synchronize with an internet time server
Update Now
Step 4:Go to "File">"Save and Reboot" to enable driver
Auto update running
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Step 4.6: Click the "File-> Reboot->Yes"



Step 4.7: After rebooting, the service for automatically synchronizing with the internet time server will execute and update the system time after connecting to the internet. **Step 4.8:** Click the "Update Now" button to immediately update the system time.

Internet Time 1.0.0.2
Step1: Server: tock.usno.navy.mil
Step2: Autoupdate Frequency: 5 minute
Step3:
Automatically synchronize with an internet time server
Update Now
Step 4:Go to "File">"Save and Reboot" to enable driver
Auto update running

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