

## **Configuring a Windows Network Time Protocol Client**

This document will review the settings required to configure Windows as a NTP time client.

## Windows NTP Client:

Requirements: Windows XP Professional/Windows Server 2003 or greater

1. Click on Start, and then select Run. In the Run box enter gpedit.msc and click OK.

Run	? 🛛
-	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:	gpedit.msc 😪
	OK Cancel <u>B</u> rowse

2. In the Group Policy window that opens, navigate to Computer Configuration, Administrative Templates, System, Windows Time Service, Time Providers. You should then see 3 options like the screenshot below shows.

m Group Policy			
<u> Eile Action View H</u> elp			
Local Computer Policy	📮 Time Providers		
Windows Settings	Select an item to view its description.	Setting	
		🎇 Enable Windows NTP Client	
Windows Components		🚳 Configure Windows NTP Client	
E System		🙀 Enable Windows NTP Server	
User Profiles			
🔁 Scripts			
Logon			
🚞 Disk Quotas			
🕀 🚞 Net Logon			
Group Policy			
Remote Assistance			
System Restore			
Error Reporting			
Windows File Protection			
Remote Procedure Call			
Printers			
User Configuration			
🗄 📄 Windows Settings			
🕂 🖶 🦳 Administrative Templates 💦 🎽			>
	\ Extended / Standard /		



3. Right click on "Enable Window NTP Server" and select properties. In the property page that appears, click the "Enabled" radio button, and then click on OK.

Enable Windows NTP Client Properties				
Setting Explain				
Enable Windows NTP Client				
Not Configured				
Supported on: At least Microsoft Windows XP Professional or Windo <u>Previous Setting</u> <u>N</u> ext Setting				
OK Cancel Apply				



4. Right click on "Configure Windows NTP Client" and select properties. In the property page that appears, click the "Enabled radio button. In the "NtpServer" box enter the IP address of the time server on the network. In the "Type" box select NTP. Then click OK.

Configure Windows NTP Client Properties 🛛 🔹 💽			
Setting Explain			
Configure Windows NTP Client			
<ul> <li>Not Configured</li> <li>Enabled</li> <li>Disabled</li> </ul>			
NtpServer time.windows.com,0x1			
Type NT5DS			
CrossSiteSyncFlags 2			
ResolvePeerBackoffMinutes 15			
ResolvePeerBackoffMaxTimes 7			
SpecialPollInterval 3600 🗢			
EventLogFlags			
Supported on: At least Microsoft Windows XP Professional or Windo			
Previous Setting <u>N</u> ext Setting			
OK Cancel Apply			

5. Close out all group policy windows. Your system should sync itself within a few minutes!\* If you are over 15 hours apart, please adjust your system manually as windows will not sync gaps larger than 15 hours by default.

\*Note: Sometimes it is necessary to reboot the PC to force an update to the group policy. You can also force an update by typing "gpupdate /force" at the command prompt. You may also need to restart the Windows Time Service as well. This can be done from the services page under Administrative Tools.