

# Using NTP in Windows NT Networks

The StorPoint CD-ROM servers support the NTP-protocol for time-synchronization from software version 4.20. The NTP-protocol is widely used in UNIX environments for time-synchronization.

Windows NT has no native support for NTP (the Timesynch utility in the Resource-kit only enables you to use NT workstations and servers as NTP-clients). To be able to use NTP for synchronization of the StorPoints clock in an NT-based network you have two methods to choose between.

1. If you have a direct connection to the Internet you can define the IP-address or hostname of a external NTP server, note that if you are to use the hostname you will have to correctly configure the DNS-parameter in the StorPoint . Do not use this option if you have a dial-up connection to the Internet.
2. Install a NTP-server software on a NT machine of your choice There are a number of commercial and shareware products available a few of them are listed below.

Axis do not provide support for these software -packages.

## Commercial software

	<b>GetTime Time Synchronization Software</b>
<b>Description:</b>	NTP Server for NT distributed with NTP client for Windows 95/NT
<b>URL:</b>	<a href="http://www.gettime-sync.com/">http://www.gettime-sync.com/</a>
	<b>IGEL Clock</b>
<b>Description:</b>	NTP Server for Windows NT distributed together with GPS receiver
<b>URL:</b>	<a href="http://www.igel.de">http://www.igel.de</a>
	<b>TCSRSYNC-NT TCSRSYNC –NT –NTP Server</b>
<b>Description:</b>	A KMD (Kernel Mode Driver) that runs on a Windows NT (3.XX or 4.XX) file server or workstation.
<b>URL:</b>	<a href="http://www.masterclock.com/">http://www.masterclock.com/</a>

## Shareware/Freeware

	<b>UniTime</b>
<b>Description:</b>	UniTime - Network Time Synchronization. This program allows an NT PC to work as either a time client and/or a time server supporting four protocols: SNTP, TIME, UniTime, and NetRemoteTOD. Version 2.1a. File size 239 k. Shareware. Alpha™ and PowerPC™ versions also available. Released by Franz Krainer. Shareware.
<b>URL:</b>	<a href="http://www.netal.com/">http://www.netal.com/</a>
	<b>RCC Time Server</b>
<b>Description:</b>	RCC Time Server is an Internet standard based time server (RFC 868). Version 1.0. File size 35 k. Source code included. Released by Brian Roberson. Free.
<b>URL:</b>	<a href="http://www.rccinc.com/RCCTimeServer/RCCTimeServer.html">http://www.rccinc.com/RCCTimeServer/RCCTimeServer.html</a>
	<b>XNTP</b>
<b>Description:</b>	XNTP is a Windows NT-platform port of XNTP. Several choices: binaries and source, GUI binary, and non-GUI binary. This Windows NT port made possible through the efforts of a number of contributors including Greg Schueman and Viraj Bais. For information on retrieving this copy of XNTP (Network Time Protocol) send an email request to <a href="mailto:access@drcoffsite.com">access@drcoffsite.com</a> . Freeware.