

HP LeftHand SAN Solutions

Support Document

Service Notes

Using a Windows Time Server as an NTP Server for NSMs



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Using a Windows Time Server as an NTP Server for LeftHand NSMs

Summary

When using a Windows Time Server as a Network Time Protocol (NTP) Server for a LeftHand Network Storage Module (NSM), the Windows Time service (W32Time) must be configured to use an external time source.

Details

A LeftHand NSM can be configured to use an NTP Server to manage time for the NSM. This is done via the Centralized Management Console (Console).

If the NTP Server being used is a Windows Time Server – i.e., a Windows server running the Windows Time service (W32Time) – you can configure the server in one of two ways:

- W32Time uses an internal hardware clock
- W32Time uses an external time source

If W32Time is configured to use the server's internal hardware clock, the NSM will not recognize the server as an NTP Server. When attempting to designate the server as an NTP Server in the Console, the NSM reports that the server doesn't respond to NTP requests.

In order for the NSM to communicate with the Windows server as an NTP Server, you must configure W32Time on the server for an external time source only.

More Information

The procedure for configuring an NSM to use an NTP Server is described in the LeftHand SAN User Manual, in the section titled "Setting the Date and Time."

- LeftHand SAN User Manual
For information on how to set up and configure a Windows Time Server, including the Windows Time service (W32Time), refer to Microsoft Knowledge Base Article 216734.
- How to configure an authoritative time server in Windows 2000
<http://support.microsoft.com/default.aspx?scid=kb;en-us;216734>