B

HUBwatch for Windows and SLIP Protocol

Overview

In This Appendix

This appendix describes how to run HUBwatch with the SLIP protocol and how to exit from a SLIP session. This appendix includes the following topics:

- Running HUBwatch with a SLIP connection through an access server.
- Running HUBwatch with a SLIP connection to a DECagent 90.
- Running HUBwatch with a SLIP connection to a DEChub 900MS.

All SLIP Connections

Steps: All SLIP Configurations

Complete the following steps for all SLIP configurations.

Step	Action
1	Connect your PC to a DECagent 90, a DEChub 900MS, or an access server that supports SLIP through a serial port on your PC or through a modem.
2	If you are running Windows, you must exit from Windows to set up for using SLIP.
3	Use the CD command from the DOS prompt to make your \HUBWATCH\IPSTACK directory the default directory. **Example:** `c: cd \hubwatch\ipstack`
4	Ensure that the [TCPIP] section of file PWTCP.INI includes the following line: `NetworkType = 2`
5	Enter the SETHOST terminal emulator command by using the following command: `c: sethost`

Using a SLIP Connection Through an Access Server

Introduction

This section explains how to create and exit from a SLIP connection through an access module that is installed in DEChub 900MS. The examples that follow use the Local> prompt displayed by DECservers 90TL, 90M, and 900TM. Your prompt might look different.

Steps: Connecting Through an Access Server

Complete the following steps to run HUBwatch with a SLIP connection to an access server.

Step	Action
1	Go to the access server's prompt with one of the following methods: • If you are using a modem, when you have made the connection to the access server, press Return until you get the Local> prompt. • If your PC is directly connected to a SLIP access server through a serial port, press Return until you get the Local> prompt.

2	Check that the MTU value is 1000 or greater. At the Local> prompt, enter the following command:
	`Local> show port slip`
	Changing the MTU value: Enter the following command:
	`Local> change port slip MTU number`
	If the MTU value is too low, the SLIP connection will not work.

3	At the Local> prompt, enter the following commands.
	`Local> clear port slip host`
	`Local> change port slip host ip-address-of-your-pc`
	`Local> change port flow control disable`
	`Local> connect slip`
	The *ip-address* variable is in the form *n.n.n.n*, where *n* is an integer from 0 to 255.

Step	Action
4	Exit the SETHOST program by pressing Ctrl/F10. Enter the following command at the DOS prompt to start your network: `c: strtslip` If you like, you can test your network here by entering the Ping command with the IP address of a network station that is known to be in working order.
5	Enter the following command at the DOS prompt to start Windows: `c: win`
6	Start HUBwatch, following the instructions in “Task 12: Before Starting HUBwatch for Windows” in Chapter 1. HUBwatch should run as it does under IP networks, except that it will be somewhat slower.

Steps: Exiting the SLIP Session

Complete the following steps to exit from your SLIP session.

Step	Action
1	Exit software. Complete the following steps : a. Exit from HUBwatch by selecting Exit from the File menu on the Hub Front Panel. b. Exit from Windows. For example, select Exit Windows from the Program Manager's File menu.
2	Enter the following command at the DOS prompt to stop your network: `c: stopnet`

Step	Action
3	Disconnect the SLIP connection. Complete the following steps : a. Enter the following command at the DOS prompt to run the SETHOST program again: **`c: sethost`** b. Press F5 to enter a Break character. Your modem must be configured to pass the Break character to the other modem. c. Enter the following command at the Local> prompt to find the number of your SLIP session: **`Local> show sessions`** d. Enter the following command at the Local> prompt to disconnect your SLIP session: **`Local> disconnect session n`** The **`n`** variable is the number of your session. e. Enter the following command at the Local> prompt to disable the SLIP port: **`Local> set port slip disable`** f. Enter the following command at the Local> prompt to clear the SLIP address: **`Local> clear port slip host`** It is not enough to disable the SLIP port (step e). You must also clear the address of the SLIP host (step f). Clearing the address prevents routing problems that can occur if you use the same IP address later on a different server port.
4	If you are using a modem, enter the following command at the Local > prompt to log out: **`Local> logout`**
5	Press Ctrl/F10 at the Local> prompt to exit from the SETHOST program.

Using a SLIP Connection to a DECagent 90

Steps: Connecting with SLIP to a DECagent 90

Complete the following steps to run HUBwatch with a SLIP connection to a DECagent 90.

Step	Action
1	Set up the Communications port. Complete the following steps : a. From the SETHOST Main menu, press F3 to access the Setup menu. b. From the Setup menu, select Communications. c. From the Communications menu, select Network Communications Port. d. From the Networks Communications Port menu, select the Comm Port you are using. e. Select the speed for the Comm Port. The speed you select will be the baud rate for the SLIP connection. **Note:** Be sure that the speed you select matches the baud rate in the [SLIP] section of the file TCP.INI in your *hubwatch-path*\IPSTACK directory. f. From the SETHOST Main menu, press Return to access the DECagent 90 menu.
2	From the DECagent 90 menu, select Start SLIP Connection and do the following: a. Press Ctrl/F10 to exit from the SETHOST program. b. Enter the following command at the DOS prompt to start your network: `c: strtslip` c. If you like, you can test your network here by entering the Ping command with the IP address of a network station that is known to be in working order.
3	Start Windows. Enter the following command at the DOS prompt: `c: win`
4	Start HUBwatch, following the instructions in *Starting HUBwatch for Windows* in Chapter 1. HUBwatch should run as it does under IP networks except somewhat slower.

Steps: Exiting the SLIP Session

Complete the following steps to exit from the SLIP session.

Step	Action
1	Exit from HUBwatch by selecting Exit from the File menu on the Hub Front Panel.
2	Exit from Windows. **Example:** Select Exit Windows from the Program Manager's File menu.
3	Enter the following command at the DOS prompt to stop your network: `c: stopnet`
4	Reset the DECagent 90.

Using a SLIP Connection to a DEChub 900MS OBM Port

Steps: Connecting with SLIP to a DEChub 900MS OBM Port

Complete the following steps to run HUBwatch with a SLIP connection directly to a DEChub 900MS OBM port.

Step	Action
1	Configure DEChub 900MS for out-of-band management following the instructions in *Configuration* in Chapter 5. **Important**: Be sure to use an IP address for the OBM port that is different from the PC's IP address.
2	From the DEChub 900MS Installation menu, set the OBM port speed. The speed you select will be the baud rate for the SLIP connection. **Note**: Be sure that the speed you select matches the baud rate in the [SLIP] section of the file TCP.INI in your *hubwatch-path*\IPSTACK directory.
3	Enter the following command at the DOS prompt to start your network: `c: strtslip` **Test Your Network:** You can test your network here by entering the Ping command with the IP address of a network station that is known to be in working order.
4	Enter the following command at the DOS prompt to start Windows: `c: win`
5	Start HUBwatch, following the instructions in the "Task 12: Before Starting HUBwatch for Windows" in Chapter 1. HUBwatch should run as it does under IP networks, except that it will be somewhat slower.

Steps: Exiting the SLIP Session

Complete the following steps to exit from the SLIP session.

Step	Action
1	Exit from HUBwatch by selecting Exit from the File menu on the Hub Front Panel.
2	Exit from Windows. **Example:** Select Exit Windows from the Program Manager File menu.
3	Enter the following command at the DOS prompt to stop your network: `c: stopnet`