

We Bring Security To Light™

## **Application Note: Upgrading Interceptor software with FTP server on local PC**

The Interceptor has the capability to accept software upgrades, which are available from NIS Tech Support ([support@networkintegritysystems.com](mailto:support@networkintegritysystems.com)). These upgrades can be downloaded by the Interceptor from a FTP or HTTP server by selecting Upgrade in the Main Menu:

```
Upgrade Menu
->Upgrade Via FTP/HTTP Server
  Reboot
  Back
```

The URL of the upgrade file is entered into the Upgrade Via FTP/HTTP Server field:

```
Enter Upgrade URL
ftp://interceptor:password@10.2.1.2/ids-
<OK> <CANCEL>
```

The Interceptor will then display the following message:

```
Background upgrade started.
System will automatically reboot if the upgrade was successful.
Inspect the net log for results.
<OK>
```

The Interceptor will indicate in the Network Log and syslog (if enabled) if the upgrade has been successful:

```
Network Logs
datetime="2006-10-04 14:31:42" event="system_started"
datetime="2006-10-04 14:29:19" event="system_rebooting"
datetime="2006-10-04 14:29:19" event="upgrade_success" user="admin"
datetime="2006-10-04 14:27:08" event="upgrade_start" user="admin"
datetime="2006-10-04 14:25:56" event="session_start" user="admin"
datetime="2006-10-04 14:25:56" event="auth_success" user="admin"
datetime="2006-10-04 14:25:54" event="auth_success" user="admin"
datetime="2006-10-04 14:25:40" event="ssh_connect" src_address="10.2.1
datetime="2006-10-04 11:28:45" event="session_end" user="admin"
datetime="2006-10-04 11:12:04" event="session_start" user="admin"
datetime="2006-10-04 11:12:03" event="auth_success" user="admin"
datetime="2006-10-04 11:12:02" event="auth_success" user="admin"
datetime="2006-10-04 11:11:49" event="ssh connect" src address="10.2.1
->datetime="2006-10-04 10:08:33" event="session_end" user="admin"

CTRL-n: Next page      CTRL-b: Beginning  <- ->: Scroll text
CTRL-p: Previous page  CTRL-e: End        RETURN: Exit
```

If the Interceptor is used in a "sensor" application and a FTP or HTTP server is not available, it is possible to upgrade the Interceptor by configuring a FTP server on a desktop or laptop PC, and connecting the PC to the Interceptor using an Ethernet crossover cable.

### **Setting up an FTP server on a PC**

In order to configure the FTP server on your computer, you can either use Windows Integrated Information Services utility (present in Windows 2000 and XP Professional) or a third party application such as Serv-U: <http://www.serv-u.com/> Here is a link from pcstats.com describing how to set up an FTP server on your PC: <http://www.pcstats.com/articleview.cfm?articleid=1491&page=1>

**IMPORTANT NOTE:** Be sure to disable the FTP server on your PC when it is not in use, as a security vulnerability will exist if your server is enabled and set for Anonymous users. If you wish, you can set up your server to accept a specific user and password, and these may be entered into the Interceptor (details below).

After your server is set up, copy the Interceptor upgrade file (named ids-ddc.v2.XXXX.upgrade.bin) to the proper directory for the FTP server (usually called ftproot), and your server will be ready to provide the file to the Interceptor.

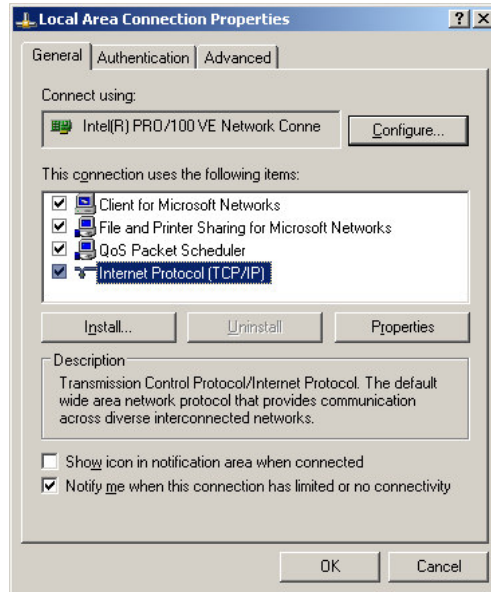
### **Configuring your Ethernet connection to communicate with the Interceptor via a crossover cable**

You will need to configure your Ethernet connection to have a static IP address if it will be used with the Interceptor and will not be on a network with a DNS. First, you will need to determine

We Bring Security To Light™

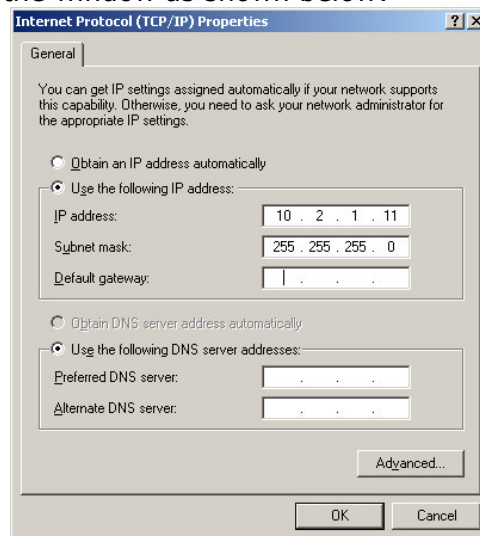
a network address that is in the same range as the one entered into the Interceptor (for example, if the Interceptor is set to network address 10.2.1.10, set your Ethernet settings to 10.2.1.11). This can be done as follows:

- 1: Under Start/Settings/Network Connections, select your Ethernet connection or card. The Local Area Connection Properties window should appear:



- 2: Select Internet Protocol (TCP/IP) and press Properties:

- 3: Enter the PC address into the window as shown below:





**Network Integrity Systems**  
301 10<sup>th</sup> Street NW · Suite E101  
Conover, NC 28613  
Phone: 828.466.3491  
Fax: 828.466.3767

info@networkintegritysystems.com  
www.networkintegritysystems.com

We Bring Security To Light™

4. Select OK to close this window, then select Ok in the Local Area Connection Properties window.

Your PC is now configured to communicate with the Interceptor. Use a crossover cable (such as Radio Shack p/n 278-2011)