Setting up Access to a Dongle License Server

If the Dongle License Server (DLS) is on the same Local Area Network (LAN) as the computer running the badging software, then no specific set-up is needed at the badging station to access the DLS. The badging security system uses a broadcast system to determine where any DLS systems are located. Note that it will find any DLS on the LAN that has a valid dongle and available licenses.

If the DLS is not on the LAN, or if you would like to direct LAN requests to a particular server, then you can define the IP address that the badging station should use to locate a license. This can be done on either of two ways; one is by setting an environment variable and the other is to edit an XML file.

It may be desirable to use this technique even on a LAN, as it eliminates the requirement for broadcast messages and can speed up access to the DLS.

To set up the badging station to point to a specific DLS, use either one of these methods (if you use both, method 2 will take precedence):

1. **Environment Variable**
   Set the environment variable NSP_HOST to the IP address or domain name of the DSL. If you use a domain name it must be resolvable to an IP. On most Windows® systems an environment variable is set using these steps:

   Go to **Control Panel**
   Select **System**
   Select the **Advanced** tab
   Click the **Environment Variables** button
   In the **System Variables** section click **New**
   In the **Name** box enter **NSP_HOST**
   In the **Value** box enter the IP or domain name of the DSL
   Click **OK** as needed to complete the operation

   You may need to have **System Administrator** privileges to complete this process.

2. **XML Configuration File**
   This file is called **SNTLCONFIG.XML** and is located in the same directory as the badging program executable is located. This is normally in the **Program Files** folder on drive **C** under **Badging**. If you move it from the installed location it will not provide the desired functionality. It is necessary to edit this file to add the IP or domain name of the DSL server and **System Administrator** privileges may be necessary to accomplish this. Edit this file using a simple editor program such as **NOTEPAD** and put the IP or domain address of the DSL between the <AccessMode></AccessMode> tags. For example:

   ```
   <AccessMode>
   123.456.789.123
   </AccessMode>
   ```
   or
   ```
   <AccessMode>
   mydongleserver.mydomain.com
   </AccessMode>
   ```

   It is not necessary to enter data anywhere else in this file. However, if you have a poor or slow Internet connection then you may wish to try a longer heartbeat time by setting a suitable value between the **HeartBeat** tags. The default is 120 seconds. A symptom that this might be necessary is if the badging software loses access to the DSL during normal operation.

The DSL is accessed using port 6001 and the UDP protocol. When the software is installed on the DSL a hole in the Windows firewall is automatically created for this service. But if there are any intervening firewalls between the badging station and the DSL then access to that port using that protocol must be provided.