

## Installation of TRIFLEX in a TCP/IP Network

The TRIFLEX pipe stress analysis program may be installed in both standalone and network versions. If it is installed in a network environment, we strongly recommend that the program be installed on each workstation from which TRIFLEX will be used. In the standalone version, each workstation is supplied with its own activator that is to be plugged into the individual computers. In the network version, only one activator is supplied, that activator to be plugged into a single computer on the network. Although this computer can be any computer on the network that can be pinged from the computer running TRIFLEX, let us call it the server and call those computers running TRIFLEX workstations. There is no reason why the server cannot also be a workstation. We also suggest that the server have a fixed IP address.

On the server, install TRIFLEX from the CD. Also install the Hasp License Manager, preferably to be run as a service such that each time the computer is powered up, the License Manager starts to run. Make sure the Hasp device drivers are also installed on the server, and plug the activator into either a USB or Parallel port of the server, depending on the activator type. When installing a network version of TRIFLEX onto any computer, whether server or workstation, be sure to set the Serial Number during the installation process such that the second digit of the

last group of five is a '2', as in xxxxx-x<sup>2</sup>xxx. For instance 60403-1<sup>2</sup>948. Create a file on the server, using Notepad, to be named NETHASP.INI. We would like to suggest the following five line file which works well on a wide variety of TCP/IP networks:

```
[NH_COMMON]
NH_TCPIP = Enabled
[NH_TCPIP]
NH_SERVER_ADDR = xxx.xxx.xxx.xxx
NH_USE_BROADCAST = Disabled
```

where xxx.xxx.xxx.xxx, the server address, is to be replaced by your server's fixed IP address, telling the TRIFLEX where it can find the License Manager and the activator. Save this file to the installation folder of TRIFLEX on the server, typically the directory:

C:\Program Files\PipingSolutions\TRIFLEXWindows.

This will be the same folder in which the TRIFLEXWindows.exe is located. When this is done on the server, try running TRIFLEX, from the server. TRIFLEX should start running with no activator error messages. If errors are found at this point, stop, make sure all the above is correct, and give PipingSolutions Technical Support a call. If there are errors at this point, there is little value in installing on all the workstations. TRIFLEX will not work from there either. Only if this test succeeds should you continue on.

On each workstation that is to run TRIFLEX, install TRIFLEX from the CD, making sure to give the same serial number used on the server installation, with a 2 located as the

second second in the last group of five to indicate that TRIFLEX should go to the network to search for the activator. Copy the NETHASP.INI file prepared for the server into the installation folder of TRIFLEX on each workstation. This should be an exact copy of the server file. The xxx.xxx.xxx.xxx should point to the SERVER's fixed IP address, not that of the workstation. Again, run TRIFLEX. It should again come up with no activator messages. If it does then the network installation of the program is complete for that workstation.

If a message appears which indicates that the activator could not be found, please verify that the NETHASP.INI file is located in the installation folder and contains the SERVER's IP address. Ping the server IP address to make sure that a line of communication exists between workstation and server. If this is ok, look at the serial number of TRIFLEX on the workstation to make sure it has a valid format for a network license, a 2 as the second digit after the hyphen, and that the first digit after the hyphen is either a 1 or a 2. The serial number can be found in the registry by using REGEDIT.EXE from the START/RUN command. Once in REGEDIT, look at:

HKEY\_LOCAL\_MACHINE/SOFTWARE/PipingSolutions/TRIFLEXWindows/SerialNumber

The value key at this location should have the serial number set in it.

If all these items check out OK, and there is still an error message indicating that the activator cannot be located, please give PipingSolutions Technical Support a call. Should any other error message appear, please contact us also.

Thank you,

PipingSolutions Technical Support

1-713-849-3366

or toll free:

1-800-729-2228