This document describes the use of network licenses with TreeAge Pro 2011.

Schematic

The graphic below describes the communication/licensing flow.
Network Server

TreeAge Pro (TP) must be installed first. When the TreeAge Pro Network License Server (TPNLS) is installed, it changes the config.ini file in the TP installation path’s configuration folder to include the key “-tpnls <hostname>”.

With that configuration change, the regular License Manager dialog is replaced in the menu with a read-only panel that shows the serial number, host name and the number of users for the network license (possibly add the number of tokens available in the pool at that time).

TreeAge Pro Network License Manager (TPNLS)

License management and token availability is handled by the TPNLS. When TP is started, the configuration network key directs the license check to TPNLS. TPNLS creates a pool of available tokens based on the number of users for the network license. Each time TP is started (on the server or via a client connection), TPNLS takes one token from the token pool. When the pool of tokens is exhausted, TPNLS will not provide another token. The TPNLS checks each TP client/token every five minutes to see if a token should be released back to the pool.

TPNLS can be run in a console or as a service. It must be run in a console to authorize the software. Once the software is authorized, it should be run as an automatic service, which will restart when the server is restarted. Messages from clients are written to a log file.

Client Computers

Client installations use a small installer that basically points to the network share where the full software is installed.

Clients are self-identified with a unique ID, so if TP closes and reopens, it will use the same token. When TP closes normally, it will release the token associated with the client’s unique ID.

The network license will work with TPNLS if the full software is installed on a client machine and the network key is manually added to config.ini.

The network server displays information about active clients by using the command “license info” from the command line. It displays client’s host id, client host name and time of latest activity.

TPNLS should work on all platforms currently supported by TP 2011.

Installation Instructions

Instructions are provided in a separate document.
Developers only - To run within Eclipse development environment...

1. To start TPNLS use com.treeage.treeagepro.license.server/tls.product.launch.
   a. Right-click the launcher: Debug As -> Eclipse Application
   b. See the TPNLS running in the Debug perspective
   c. Use the Console “osgi>” prompt for TPNLS commands
2. To start a Network Client use any appropriate treeagepro.product.* launcher from com.treeage.treeagepro.ui:
   a. Right-click the launcher: Debug As -> Debug Configurations
   b. Go to the Arguments tab and add " –tpnls <hostname>" value to the end of "Program arguments" field.
   c. Right-click the launcher: Debug As -> Eclipse Application

Possible Future Enhancements

- Allow TPNLS authorization to register the license.
- Build dialog for controlling TPNLS. Currently use command line.