

In order to speed up operation of FluidFlow3 over a wide area network (apart from having a sufficiently fast link!) there are two options - the second is recommended.

OPTION 1

The user can copy the DATA folder from the WAN Server to their local machine and use the 'Database | Connections' menu item to point to the local copy.

When running FluidFlow3, the most time-consuming aspect of the calculation is database access; a WAN user will experience the worst performance as all data has to go down the 'line' and performance will be relative to the speed of the network. However, if the user decides to use a local copy of the DATA, then obviously, this will no longer be available for sharing with all other users.

OPTION 2

The user can install FluidFlow3 on their local machine and point – via PSFF.INI - to the license file on the WAN Server. In this way, the only network traffic should be the contents of the license file, as all other files (executable, data, INIs, etc.) will be local.

Notes:

- The user will not start FluidFlow on the WAN Server, but on their local machine.
- The user does not have to activate the local copy of FluidFlow.
- As before, the DATA folder will now be local to the user and will not be shared with other users.

PSFF.INI does NOT exist by default. The user needs to create this file and place it in the same folder as PSFF.EXE on their local machine. The relevant entry - Options | NetworkAccessFolder - is shown below. The NetworkAccessFolder must map to the location on the WAN Server where PSFF.EXE is installed, e.g., F:\FLUIDFLOW.

PSFF.INI

```
[Options]
; Network Access
UseCommonAppDataNetworkAccessFolder=0
NetworkAccessFolder=F:\FLUIDFLOW
```

You can find out more information about PSFF.INI from the Help File, section: Network Version | Activation and Setup.

To clarify, ABC Engineering keeps the current installation in Brisbane; Perth-based staff install FluidFlow on their local machines; each user creates a PSFF.INI with a NetworkAccessFolder entry pointing to the current installation's folder in Brisbane; users start FluidFlow from their local machines.

Note: ensure that the local and server installed releases of FluidFlow3 are the same.

USER NAMES

If ABC Engineering is then unable to see Usernames. The following explains:

The reason they cannot see any other username/logins from its installation is that although they are sharing the License file from the Brisbane server (via the NetworkAccessFolder entry) they are *not* sharing the Preferences folder.

On startup, FluidFlow3 will check PSFF.INI for the location of the NetworkAccessFolder - this folder holds the network license file and the FluidFlow users database. Assuming that the NetworkAccessFolder points to F:\FLUIDFLOW, FluidFlow3 reads the list of Users from the users' database in this folder. The problem with ABC's situation is that FluidFlow3 then double-checks the list of users against the sub-folders under the \PREFERENCES folder. If a Username does not match a PREFERENCES sub-folder it is not included in the available list (in Network Login). In this instance the PREFERENCES folder is local to the installation, and therefore will not contain the sub-folders for all the users in the Brisbane user database.

If ABC wants to use the Preferences stored on the Brisbane installation (and thus the list of available logins), they need to modify the PreferencesFolder entry in PSFF.INI as follows:

```
[Options]
; Data
UseCommonAppDataFolder=0
DataFolder=

; Preferences
UseLocalAppDataPreferencesFolder=0
PreferencesFolder=F:\FLUIDFLOW\PREFERENCES

; Network Access
UseCommonAppDataNetworkAccessFolder=0
NetworkAccessFolder=F:\FLUIDFLOW
```

Note: This is documented in the "Quick Start Guide | Network Issues" and "Help File | Network Version | Activation and Setup" sections.

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