Licensing Guide

Version 2018.2.1

Petroleum Experts

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TYPES OF LICENCES

Move requires a FLEXnet licence, which can be provided as a Network Licence File or a Local Licence File.

Network Licence

A **Network licence** (Floating) requires the installation of a separate licence server package - the Midland Valley Licence Manager (FLEXnet). The licence manager may be installed on a different computer (and platform) to that which you run Move on. A Floating set-up allows you to run Move on any machine on your network that you install the software on; when Move is started it 'checks out' a counted licence from your server. Only the number of copies that you are licensed for can be run at any one time. A Network licence can be provided to run on a local area network in a single site (LAN) and for use across wide area networked sites (WANs).

Note: WAN access to Move licences require a Global Licence Agreement and may incur an additional cost. For more details please contact **edinburgh@petex.com**.

Software Evaluation Licences

By default, software evaluation licences are provided as a Network licence. Should a Local or Network licence be the preferred type, please indicate this to **edinburgh@petex.com**.

Academic Licences

Our standard Academic Package provides 10 licences of Move Structural Modelling and Analysis Software suite on a network licence.

FLEXnet licence Manager™ – FlexNet 11.14

After you install Move2018.2.1 please contact **edinburgh@petex.com** as an updated licence file is required.

Petroleum Experts is using version 11.14.1 of the FLEXnet Licence Manager™ for all Move components. This is not the same version of the Licence Manager version that shipped with Move2015, Move2016 and Move2017. If you are running Move2015, Move2016 or Move2017 you will need a new Licence Manager.

We have also incremented our licence key versions to "2018.2", therefore the Move2018.2.1 software cannot be licensed with existing licence files. Previous Move versions (Move2010 – Move2017) of the software however can be run and licensed with an upgraded licence file.

Licence Set-up

Petroleum Experts has combined all of the individual licence settings into one configuration page in the Move application, accessed via the File tab and click on Options then Licence Information.
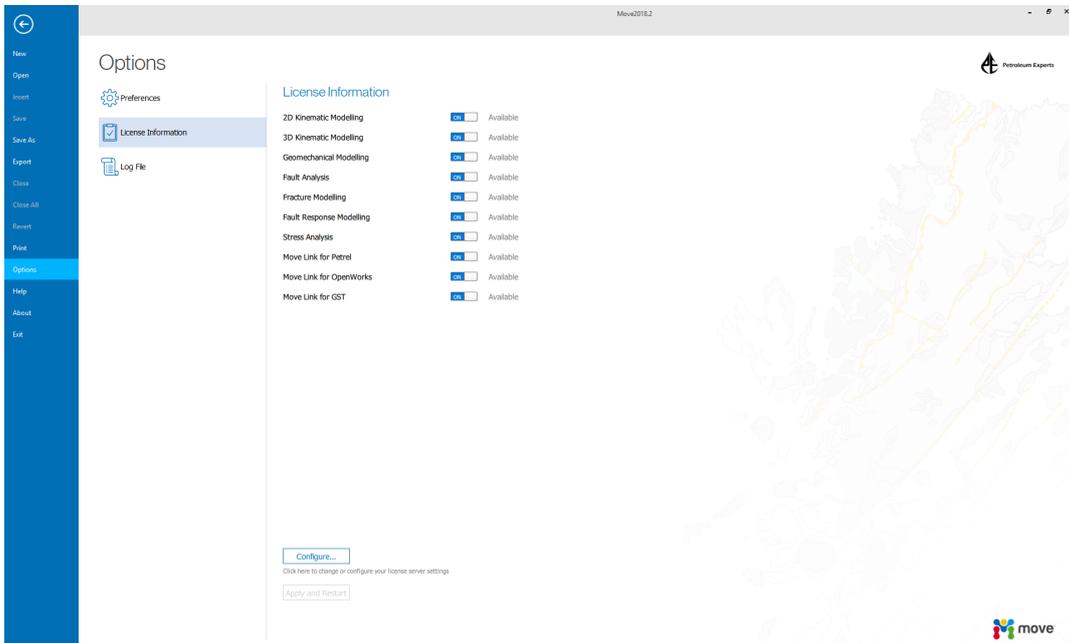
If you need to setup or adjust your licence settings then on the **File** tab click **Options** > **licence Information**.

Click **Configure...** to configure your licence settings if the **Status** of your installation licensed features is incorrect.
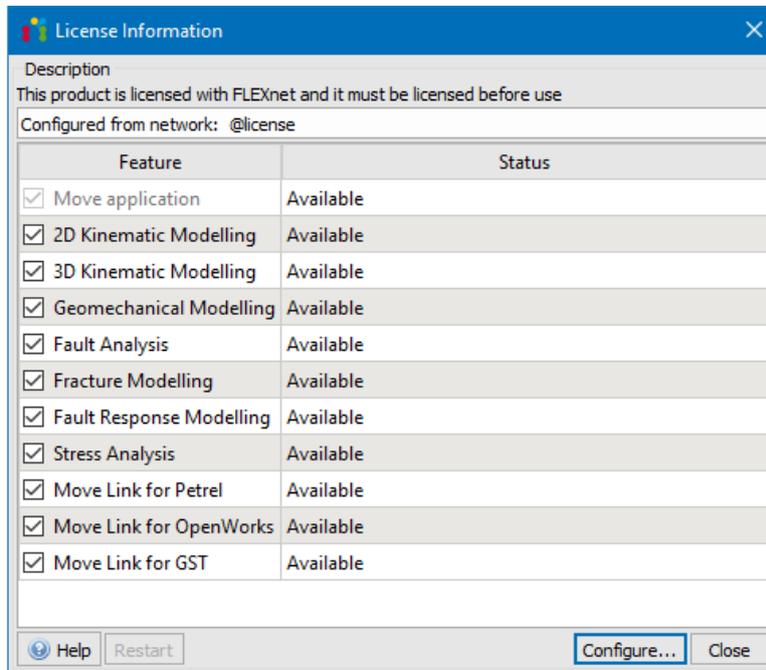
LICENCE INSTALLATION

Local Licence File

Local licence installations (rather than activations) require you to provide Petroleum Experts with the FLEXnet host id of the machine on which you are installing / have installed Move.

To obtain your FLEXnet host id start Move. Navigate to the **File** tab, click **Options**, open the **licence Information**, click **Configure...** and then choose **Local licence File** and click **Next**. The host id of the machine can be found in the top text input area. Please provide this information in an email to **edinburgh@petex.com**to obtain a licence.

Contact **edinburgh@petex.com** for instructions on how to obtain the host id of your machine if you do not already have Move software installed.

Installations using **Local Licensing (File)** will be issued with a local licence file which can be configured through Move. Navigate to the **File** tab, click **Options**, open the **licence Information**, select **Configure...** and then choose **Local licence File**. When you click **Next**, you will be prompted to browse for your licence file supplied by Petroleum Experts.
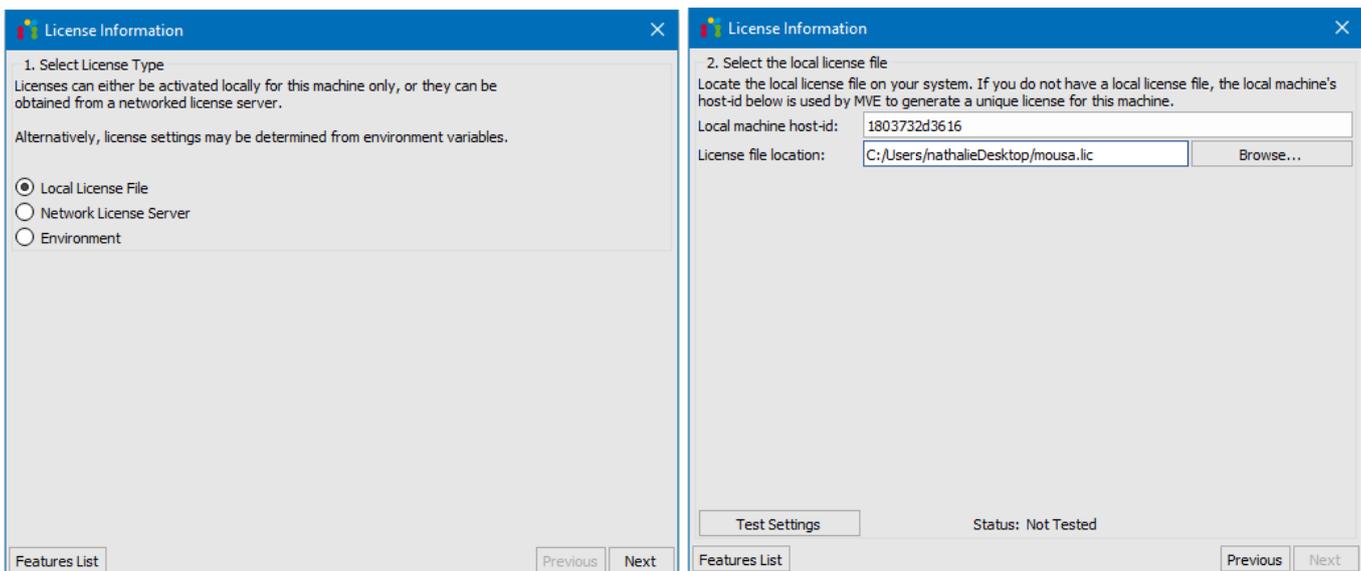
- Browse to the location of your supplied licence.lic file, select it, and click **OK**.
- The licence file location text should now show your licence information.
- Click **Test Settings** to check-out your licences and test the licence setup.

Network licence

To run Move using a **Network Licence** you must install FLEXnet Licence Manager software and provide Petroleum Experts with the **hostname** AND **FLEXnet hostid** of this machine. For further information please see **Midland Valley licence Manager**.

To obtain your hostname and FLEXnet hostid, you can run lmtools or lmutil (included on the USB). If you have any issues email **edinburgh@petex.com**.

Note: When using lmutils on Windows the FLEXnet hostid is the Ethernet Address field of the System Settings.
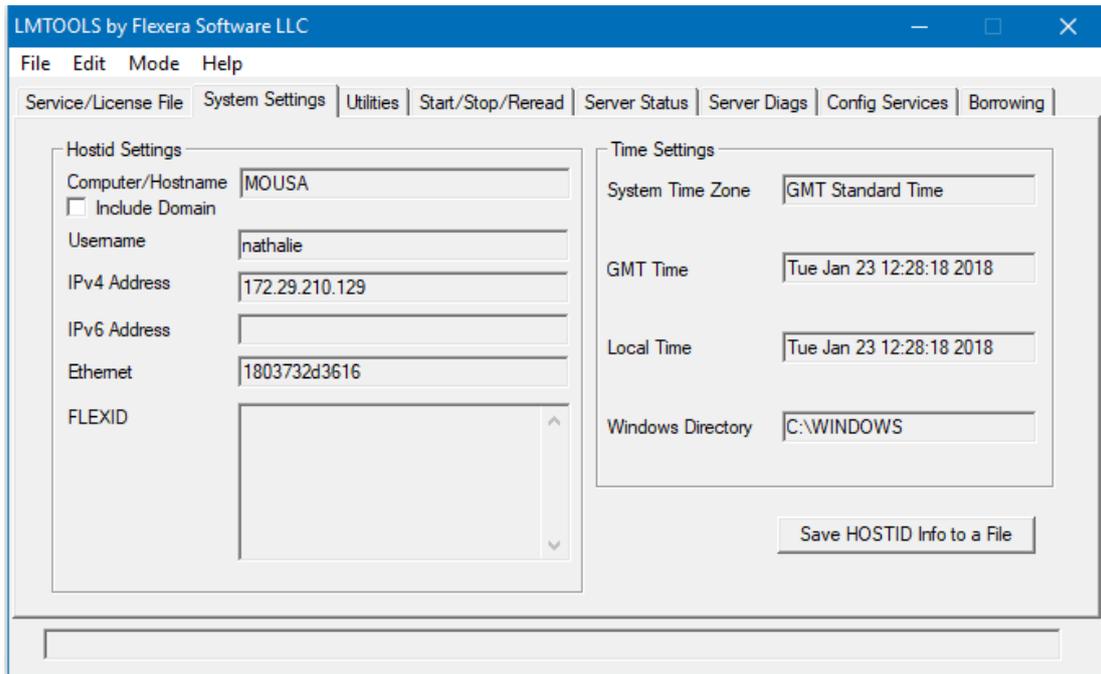
For installations using **Network Licensing** you must have a licence Server running. Your administrator will supply you with the **hostname** and optional **port number** for the computer serving the licence.

This information can be entered in Move. From the **File** tab, open the **licence Information**, select **Configure...** and then **Network Server licence**. You will be prompted for the hostname and optional port number when you click **Next**.

Note: Move will only run if it can locate the licence server across the network. You may need to supply the licence.lic that you have been provided with from Petroleum Experts to your System or licence Administrator.
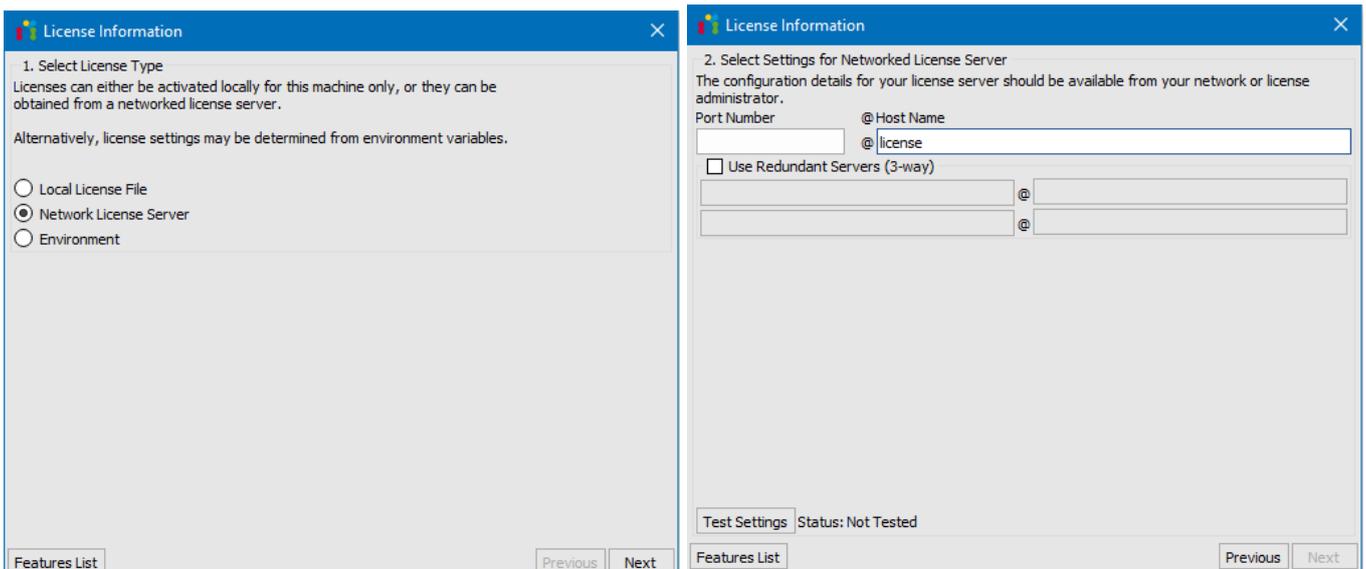
Specify port@host: Enter the hostname of your licence server in the Host field. Optionally enter the port number you are using in the Port field. You do **NOT** have to type the "@" symbol. If no port number is specified then Move will begin looking for a licence server within a port range beginning at **27000**.

Click **Test Settings** to test the network licence setup and licence Move.

Environment Setting

The default when starting Move is to try the System Environment first. This allows a scripted setup and avoids end-users having to manually license their own software, or licence administrators typing the same settings on multiple machine installations.
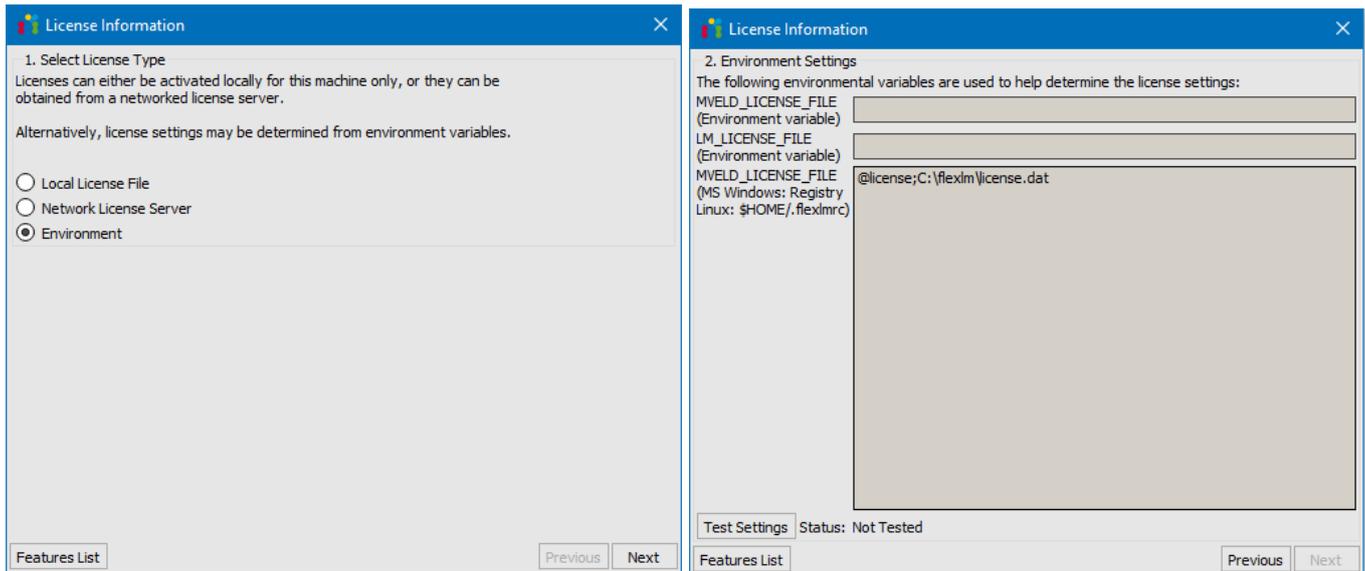
If you choose Environment then the information presented is not changeable in Move, but does allow you to see what system variables and/or registry entries are influencing the licensing. The actual order that Move will look for a licence using the system is fixed:

1. **MVELD_LICENCE_FILE** (either in Windows registry or Linux .flexlmrc file)

2. **MVELD_LICENCE_FILE** (System environment variable).

3. **LM_LICENCE_FILE** (either in Windows registry or Linux .flexlmrc file)

4. **LM_LICENCE_FILE** (System environment variable).

To use Environment licensing setup a System/Script variable in advance then launch Move. If your administrator has set up the variable correctly then Move will licence successfully without the need to enter any details via the Launcher.

FLEXNET LICENCE MANAGER

Detailed network licensing setup and information can be found in the supplied document:

`\licenceManager\FLEXnet11.14\WIN64\docs\licenceAdministration.pdf`

`\licenceManager\FLEXnet11.14\WIN64\apps`
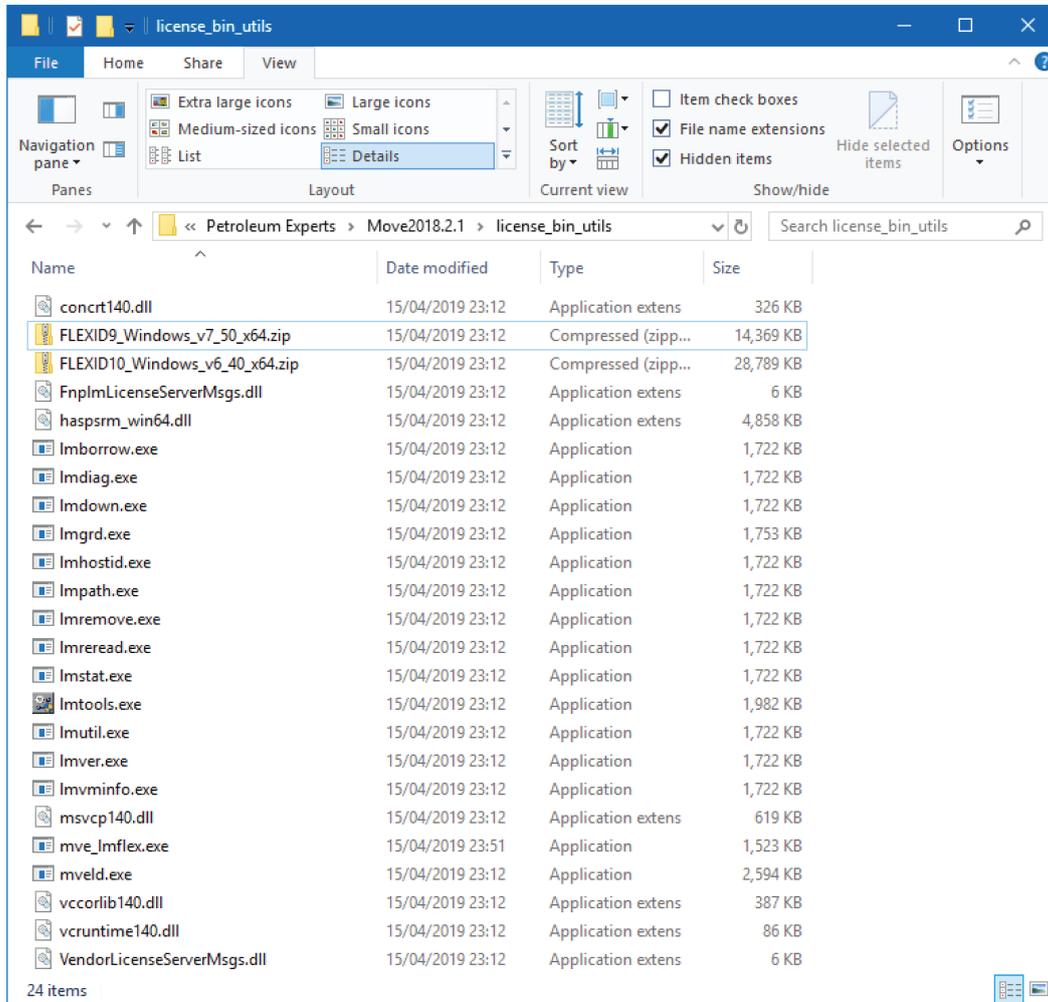
- The **apps** folder contains the supplied FLEXnet applications plus the Midland Valley vendor daemon – **mveld**.
- The **docs** folder contains the FLEXnet end user documentation for licence and system administrators.

Experienced **FLEXnet** administrators with an existing FLEXnet setup will only require the Midland Valley vendor daemon (**mveld**) to be copied to an existing FLEXnet installation and combined other licence files. The supplied mveld requires a version of lmgrd to be FLEXnet version 11.14 or higher. A version of lmgrd is supplied in all of the **apps** folders.

Installing FLEXnet 11.14

FLEXnet 11.14 may be installed on any suitable machine providing it is available locally or on your network. This can be independent of the machine where Move is installed.

Windows

- Recommended location is `C:\Program Files\Petroleum Experts` for the licence Manager.
- Copy the complete `\licenceManager` folder to the appropriate location.

Linux

- Recommended location is `/opt/MOVE` for the licence Manager.
- Copy the complete/licenceManagerfolder to the appropriate location.

Starting FLEXnet 11.14

You should have received your licence file from **edinburgh@petex.com**. A licence file called **licence.lic** will be delivered by email on request. Copy the file into the licence directory where the aforementioned licence Manager FLEXnet 11.14 was installed. If installing on UNIX, rename the file licence.lic. After the licence has been copied into the licence directory the FLEXnet licence Manager needs to read the file.

Windows

- Copy the contents of : `\licenceManager\FLEXnet11.14` to the recommended licence location eg:

`C:\Program Files\Petroleum Experts\licenceManager\FLEXnet11.14`

- In the `apps\WIN64` folder execute the lmtools utility by double-clicking lmtools.exe
- See the supplied licenceAdministration.pdf to enable the licence Server to work as a Windows service.
- Go to the Start/Stop/Reread tab.
- Click Reread licence File button, to read the licence file.
- If you receive an error you may have to restart the licence manager daemon, do this by clicking the Stop then Start buttons.
- Go to the Server Status tab and click Perform Status Enquiry for more information about licences.
- Look for the **licence Log** for useful information and any errors.

You may see the following dialogue when starting the licence server. Click **Allow Access** to allow the licence Server to work.
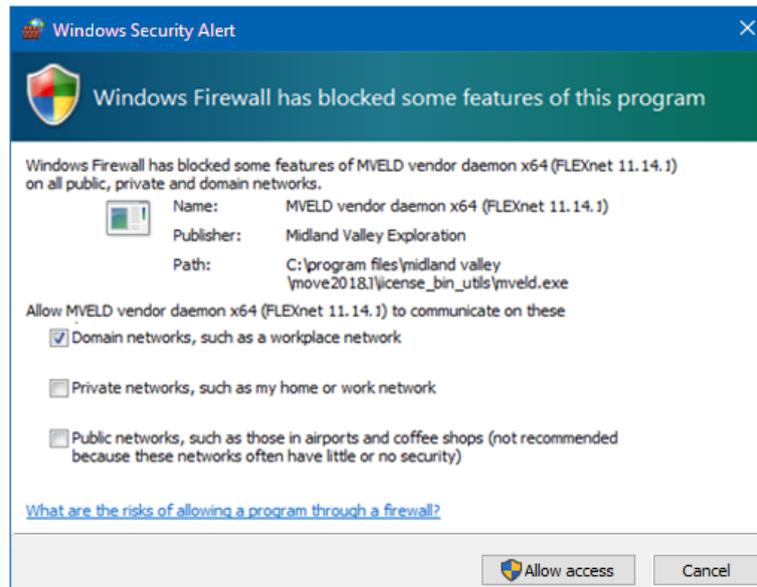
Linux

- Recommended licence location is:

`/opt/MOVE/licenceManager/licence/`

- In the `/opt/MOVE/licenceManager/Flexnet11.14/apps/Linux64` folder use the lmgrd or lmutil utilities to manage your server.

- See the supplied licenceAdministration.pdf to enable the licence Server to work as a Linux service/daemon

- To start the licence server and log in the background then:

`prompt# cd /opt/MOVE/licenceManager/Flexnet11.14/apps/LINUX64`

`prompt# ./lmgrd -c ../../../licence/licence.lic \`

`-l ../../../licence/mveld.log &`

- For the status of the licences: in the same directory type the following command:

`prompt# ./lmutil lmstat -c ../../../licence/licence.lic`

- To reread the licence type the following command:

`prompt# ./lmutil lmreread -c ../../../licence/licence.lic -vendor mveld`

Uninstall FLEXnet11.14

To uninstall the Midland Valley licence Manager, simply locate the directory FLEXnet11.14 was installed in and delete it.

CONTACTING PETROLEUM EXPERTS

Contact Details

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