



## NORSAR license installation guide

If you have several license files that use the same server (for example NORSAR-2D and NORSAR Software Suite) you must first merge the files **together** into one license file. Do this by putting all the *feature* lines (**only** the *feature* lines) from for example the NORSAR-2D license file into the NORSAR Software Suite license file.

If you have a NORSAR-2D or NORSAR-3D 5.x demo or evaluation license, the environment variable *SM\_DEMO\_VERSION* must be set to *True* in the NORSAR-2D and NORSAR-3D startup scripts, *Norsar\_2d* and *Norsar\_3d*. These scripts can be found on *<installed\_path>/bin/startup*.

Example of a merged license file:

```
SERVER licenseserver 0123456789abcd
VENDOR norsarlmd
USE_SERVER
FEATURE nss_feature1 norsarlmd 2016.1 01-apr-2017 100 \
    START=01-mar-2016 SIGN2=...
FEATURE nss_feature2 norsarlmd 2016.1 01-apr-2017 100 \
    START=01-mar-2016 SIGN2=...
FEATURE n2d_demo norsarlmd 5.3 01-apr-2017 100 \
    START=01-mar-2016 SIGN2=...
```

NORSAR Software Suite and SeisRoX 3.x will show a dialog asking for a license if it cannot find a license. You can either type in the name of your license server, or select a license file.

NORSAR-2D and NORSAR-3D 5.x look for the license file in a specific place, *<NORSAR-2D/3D\_installed\_path>/aux/license*. If you want to place the license file somewhere else, make a link to or place a copy of the license file in the default location **or** edit the *Norsar\_2d* and *Norsar\_3d* startup scripts mentioned above. Set the *LM\_LICENSE\_FILE* variable in the scripts to the path (including the filename) where the license file is located, example */myfolder/licenses/license.dat*

On Linux, you can start the NORSAR license manager with the command *Norsar\_FLEXlm start*. The *Norsar\_FLEXlm* script is located in the root directory of the NORSAR Software Suite and SeisRoX 3.x installation and in *<NORSAR-2D/3D\_installed\_path>/bin/startup/* for NORSAR-2D and NORSAR-3D 5.x. If the license file is not located in the default location (*<NSS\_installed\_path>/license/* for NORSAR Software Suite and *<SeisRoX\_installed\_path>/license/* for SeisRoX 3.x and *<NORSAR-2D/3D\_installed\_path>/aux/license/* for NORSAR-2D and NORSAR-3D) make a link to or place a copy of the license file in the default location **or** set the variable *LM\_LICENSE\_FILE* in the *Norsar\_FLEXlm* script to where the license file is located before starting the server.

For NORSAR Software Suite or SeisRoX 3.x on Windows, you can use the provided *LMTOOLS* application from Flexera Software to setup a license server.

## Troubleshooting

1. If you have other license managers running, it is very important that you use the latest version of *lmgrd* from Flexera. New versions of *lmgrd* are always backward compatible, and will work with license files created with earlier versions of FLEXlm/FlexNet. The latest version of *lmgrd* can be downloaded from <http://www.flexerasoftware.com>
2. If there are other license managers running, stop all the running license managers and restart with the latest *lmgrd*
  - To check for running license managers, type *ps -e | grep lm* on Linux/UNIX or check for *lmgrd.exe* and *norsarlm.d.exe* in the task manager on Windows.
  - Kill all running license managers.
  - Restart the license managers using the latest *lmgrd*
3. If you have a NORSAR-2D or NORSAR-3D 5.x demo or evaluation license, the environment variable *SM\_DEMO\_VERSION* must be set to *True*. This can be set in the NORSAR-2D and NORSAR-3D startup scripts, *Norsar\_2d* and *Norsar\_3d*. These scripts can be found on *<installed\_path>/bin/startup*.
4. When starting NORSAR-2D or NORSAR-3D 5.x: If you have placed the license file somewhere else than the default *<installed\_path>/aux/license/* location, there must be a link to or a copy of the license file in the default location **or** the variable *LM\_LICENSE\_FILE* must be set to where the license file is located (including the filename of the licensefile.)

*LM\_LICENSE\_FILE* can be set in the NORSAR-2D and NORSAR-3D startup scripts, *Norsar\_2d* and *Norsar\_3d*. These scripts can be found on *<installed\_path>/bin/startup*.
5. If you are upgrading a license: Stop the license server, install the new license file and start the server, or install the new license and use the *Norsar\_FLEXlm reread* command.
6. Make sure that the correct license file is being used. Check that *LM\_LICENSE\_FILE* is pointing to the correct license file. On Linux/UNIX operating systems FlexNet is caching all previously used license files in a file in your home directory called *.flexlmrc*. If you are getting unexpected errors, delete this file. On Windows this is stored in the registry. Open *regedit* and go to *HKEY\_LOCAL\_MACHINE ; SOFTWARE ; FLEXlm License Manager* and delete the *NORSARLMD\_LICENSE\_FILE* entry.

For more specific errors, see the FLEXlm/license FAQ on our webpage, [http://www.norsar.com/Seismod/Support/FAQ/FLEXlm\\_FAQ.html](http://www.norsar.com/Seismod/Support/FAQ/FLEXlm_FAQ.html)