

The instructions below do not work if you have the optional British English dictionary with your Floating licence. In this case, please ask us to generate the server licence file for you manually. [Updated January 2015]

It is best to use the license server directly to generate a new license for the new computer (but see p3 below for modifications required). This will ensure that correct information is entered for the various fields. Go to <http://licensing.mackichan.com/ActivateMulti> and fill out the form. This is the same web page that is used when you follow the instructions for installing a floating license in the PDF file in the Licensing directory on the CD (the URL might be different in the PDF file, but it will redirect to the above).

After you fill in the first form, check the second form that appears. If this is not the first time you are registering this serial number, the form will default to the information already in the database. You will probably need to update the HOSTID and HOSTNAME to request the final license.

If you are using Windows Server 2003 as your floating license server, you may need a newer version of the FLEXlm software than what is on the product CD. The Version 5.5 product CD earlier than Build 2960 contains FLEXlm version 9.5.0, but this version does not seem to be compatible with newer versions of Windows. We have tested version 10.8.5 that is included on the Build 2960 CD and also available at <ftp://ftp.mackichan.com/misc/licensing/flexlm10.8.5.zip>. Windows Vista (and we also believe Windows Server 2008) needs a newer version than the one included on the Build 2960 CD. We have briefly tested FLEXnet version 11.4.1 with Windows Vista; available at <ftp://ftp.mackichan.com/misc/licensing/flexnet11.4.1.zip>. If you experience any crashes using 9.5.0 then you will need the updated version. These are 32-bit versions. If you will use a 64-bit version of Windows Server, then you will need to download a 64-bit version. We have briefly tested the 64-bit version and were successful.

The FLEXlm vendor has recently removed the FLEXlm program files from their servers, referring download requests to the companies using their software. A recent version of the FLEXlm software for 32-bit and 64-bit versions is available from <https://www.dropbox.com/sh/hpvmtrsyhdwv6i/AACRjV2xbqHXypZi-5LRIOIga?dl=0>. Each .zip file contains the FLEXlm programs, the user manual PDF file, and the MacKichan daemon file that is also on the product CD in the Licensing directory. [Updated October 2014]

We did receive some feedback from customers using Windows Server 2008 R2. One customer could not use the 64-bit version of the FLEXlm software. They still had a Windows Server 2003 (32-bit) computer available, and that is the computer they ended up using to run the floating license server. Other customers have reported success with Windows Server 2008 R2 using Version v11.9.1.0 build 89952 x64_n6 of the FLEXlm software. One customer in particular did not report success until changing to use the 64-bit version of the FLEXlm software.

There are some computers that have multiple MAC addresses. You can generate a license file with the multiple MAC addresses for the floating license server. However, on the client side license only one MAC address should be used. For example, the SERVER line for the floating license server might contain:

```
SERVER flexlmsserver e41f13d654ee e41f13d654ec e41f13b30dbe e41f13b30dbc
```

but the client license.lic file should contain only one MAC address:

```
SERVER flexlmsserver e41f13d654ee
```

Here is some additional information about the ports used by FLEXlm that may be helpful:

FLEXlm uses two ports. The default of one is 27000 and the other is dynamically selected by the FLEXlm server on startup. The 27000 port can be changed by specifying a port on the SERVER line of the floating license. The second port can also be specified by an appropriate entry on the VENDOR line of the license file.

Here is some additional information about setting the ports. See the FLEXlm user manual in a subdirectory of the program CD below the Licensing directory for details.

The SERVER line in the license file specifies the host name and hostid of the license server and the TCP/IP port number of the license manager daemon (lmgrd). The format of the SERVER line is:

```
SERVER host hostid [port]
```

where host is the system host name or IP address; hostid is the MAC address; the optional port is the TCP/IP port number to use. A valid number is any unused port number between 0 and 64000, with the default being 27000.

The format of the VENDOR line includes:

```
VENDOR mackichn [[port=]port]
```

Substitute as needed, the portions inside brackets are optional. If the port portion of the VENDOR line is not specified a default port is used. The default is chosen by the operating system at run-time. Sites with Internet firewalls need to specify the TCP/IP port number the daemon uses. If a TCP/IP port number is specified on the VENDOR line, there may be a delay restarting the vendor daemon until all the clients have closed their connections to the vendor daemon.

You will then need to open up both ports on the firewall.

Ports can also be specified in the client licenses, and if used need to match the ports used in the server license.

The information about the ports was derived from the FLEXlm End Users Guide. This guide is included on the product CD in the directory flexuser that is located below the Licensing directory. The file name for the guide is enduser.pdf. The guide includes other useful information, including a list of error codes.

The license server currently is issuing floating licenses that need some adjustment before they can be used. We are aware of the problem, but are currently dedicating time

to releasing Version 6. The license file being issued can be manually adjusted to solve the issue. There are two issues: one is that the SERVER line includes a spurious port address that could cause problems and the other is that the PACKAGE line is missing. The problem is only with the server side of the license file.

A typical floating license file being issued by the server is:

```
*****  
SERVER testing 000000000000 57321  
VENDOR mackichn  
FEATURE SWP_All mackichn 5.5 permanent 12 TS_OK SIGN="003B 41E0 6866 \  
  2A67 A845 5608 16ED E100 AE17 CB15 2DCB 87FA 3738 A3E0 3DAC"  
  
## 950-E0600-12345-12345-12345##
```

The SERVER line in this sample uses "testing" as the HOSTNAME and "000000000000" as the HOSTID. The portion "57321" on the SERVER line should be deleted (or replaced if you need to specify a specific port to use instead of the default port of 27000). The package line from packages.lic in the Licenses directory of a client install that matches the feature needs to be added. In this case the feature is "SWP_All" and the package line is:

```
PACKAGE SWP_All mackichn 5.5 COMPONENTS="ScientificWorkPlace:5.5:1 \  
  SavePrint:5.5:1 GraphicsCopy:5.5:1 English:5.5:1 \  
  Maple_Local:5.5:1 MuPAD_Local:5.5:1 Base_Math:5.5:1 \  
  Interactive_Math:5.5:1 Plot3dImplicit:5.5:1 Typeset:5.5:1 \  
  RTFexport:5.5:1 TrueTeX:5.5:1 INSO:5.5:1" SIGN="008A 24B4 7C80 \  
  DF81 4BA2 B728 84E9 0700 035C 6285 A5A5 E18F BE00 A2A0 555E"
```

Thus, the floating license file to use on the server is:

```
*****  
SERVER testing 000000000000  
VENDOR mackichn  
FEATURE SWP_All mackichn 5.5 permanent 12 TS_OK SIGN="003B 41E0 6866 \  
  2A67 A845 5608 16ED E100 AE17 CB15 2DCB 87FA 3738 A3E0 3DAC"  
PACKAGE SWP_All mackichn 5.5 COMPONENTS="ScientificWorkPlace:5.5:1 \  
  SavePrint:5.5:1 GraphicsCopy:5.5:1 English:5.5:1 \  
  Maple_Local:5.5:1 MuPAD_Local:5.5:1 Base_Math:5.5:1 \  
  Interactive_Math:5.5:1 Plot3dImplicit:5.5:1 Typeset:5.5:1 \  
  RTFexport:5.5:1 TrueTeX:5.5:1 INSO:5.5:1" SIGN="008A 24B4 7C80 \  
  DF81 4BA2 B728 84E9 0700 035C 6285 A5A5 E18F BE00 A2A0 555E"  
  
## 950-E0600-12345-12345-12345##
```

Do not include the lines of asterisks in the server license file. If you have a previously issued floating license file, compare it with the new floating license file. They should be similar in form, but the SIGN portion of the FEATURE line will be different.