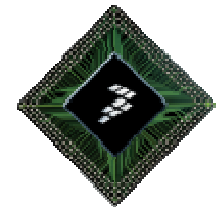




Step By Step installation FlexLM Floating License for CodeWarrior



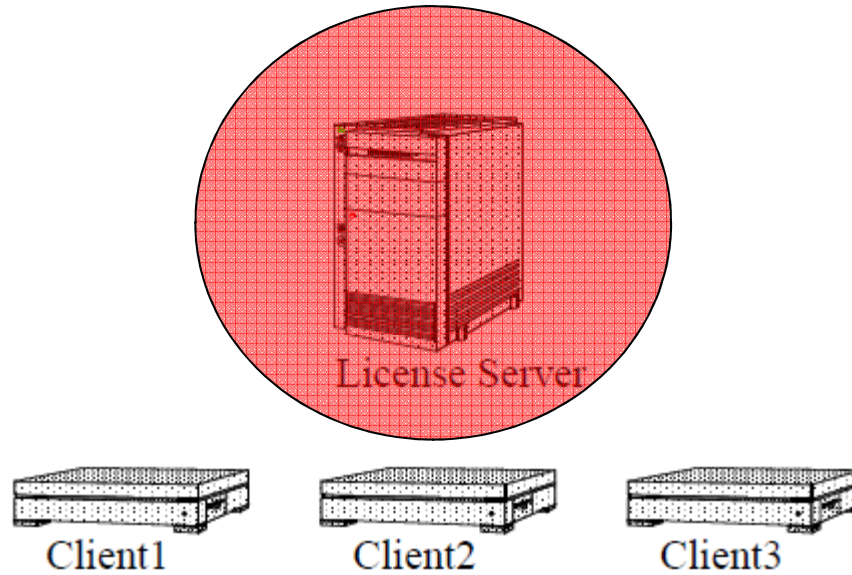
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This tutorial shows how to install FlexLM license server with floating license for the CW tools

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Installation on server side



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Download the License manager installers (for the server of license)

Currently it is on Freescale Web site

http://www.freescale.com/webapp/sps/site/overview.jsp?code=CW_LICENSE_FXDL_LMI

or

<http://www.freescale.com/webapp/sps/site/overview.jsp?nodeId=0127262444119D11A0>

Documentation about FlexLM software can be found at :

http://cache.freescale.com/files/soft_dev_tools/doc/user_guide/FLEXIMLICMNGTUG.pdf?fsrch=1&WT_TYP E=Users%20Guides&WT_VENDOR=FREESCALE&WT_FILE_FORMAT=pdf&WT_ASSET=Documentation&sr =7

FAQ

http://www.freescale.com/webapp/sps/site/overview.jsp?code=CW_LICENSE_FAQ&fsrch=1&sr=3

Install

Install the FLEXIm License Manager on your license server.

Depending on your privileges, this has to be done by the server administrator

Log as a user with enough privileges (e.g. Administrator).

Start the FLEXIm License Manager (Imtools.exe).

[NOTE]

The License Manager installation contains all the daemons you need for your license.

For example if you already have the FLEXIm license manager installed from another FLEXIm based product, you may only need the vendor daemon.

The vendor daemons will need to be installed on your license server machine.

Your license server administrator should be able to guide you regarding where these should be placed.

So if you need vendor Daemons they are located at:

<http://www.freescale.com/webapp/sps/site/overview.jsp?nodeId=0127262444119D11A3>

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Products you are entitled to license:

Part Number	Version	Description
CWS-568-PRO-LX	8.30	CodeWarrior 56800/E Digital Signal Processors - Standard Edition
CWS-68K-FLT	3.20	CodeWarrior for 68K Embedded
CWS-MCF-LLPLT-LX	2.20	CodeWarrior for ColdFire Architecture Linux Platform Edition (Linux Hosted)
CWS-MCF-PROED-LX	720	CodeWarrior for ColdFire Architecture Professional Edition
CWS-MCF-WLAPP-LX	2.40	CodeWarrior for ColdFire Architecture Linux Application Edition (Windows Hosted)
CWS-MCU-PROED-LX	10.10	CodeWarrior for Microcontrollers Hosted, Eclipse based) - Professional Edition
CWS-MCU-PROLH-LX	10.10	CodeWarrior for Microcontrollers Hosted, Eclipse based) - Professional Edition
CWS-MGT-LINWH-LX	9.00	CodeWarrior for mobileGT Linux Application Edition (Windows Hosted)
CWS-MGT-LLPLT-LX	9.00	CodeWarrior for mobileGT Linux Platform Edition (Linux Hosted)
CWS-MGT-LX	9.00	CodeWarrior for mobileGT (Windows Hosted) - Professional Edition
CWS-MPC-5500P-LX	2.80	CodeWarrior for MPC55xx/MPC55xx

MyFreescale/CodeWarrior licensing

```
UEStudio '10 - [D:\Work\DOC\FLEXm\license_HC08.dat]
File Edit Search Insert Project Build Solution View Format Column Macro Scripting Advanced Window Help
D:\Work\DOC\FLEXm\license_HC08
1
2
3 #####
4 # If this is a floating license, replace <this_host> with your
5 # license server host IP address, or your license server host name
6 # #####
7 SERVER this_host 001FD0AD767B
8 VENDOR metrowks
9 USE_SERVER
10 INCREMENT HI409285 metrowks 6.000 permanent 1 8A8BA45AF387 \
11   VENDOR_STRING="ColdFire C++ Debug" DUP_GROUP=UH \
12   ISSUER="Freescale Semiconductor" ISSUED=7-sep-2011 BORROW \
13   NOTICE=Distributor SN=FSL-1749-7571-31c9-7f59-a077-71 \
14   START=6-sep-2011
15 INCREMENT HI405295 metrowks 6.000 permanent 1 0E95362A2035 \
16   VENDOR_STRING="HC08 C++ Debug" DUP_GROUP=UH ISSUER="Freescale \
17   Semiconductor" ISSUED=7-sep-2011 BORROW NOTICE=Distributor \
18   SN=FSL-1749-7571-31c9-7f59-a077-71 START=6-sep-2011
19 INCREMENT Win32_ColdFire_Compiler metrowks 6.000 permanent 1 \
20   558FFD57BFEC VENDOR_STRING="ColdFire Compiler" DUP_GROUP=UH \
```

Pre-requisite :

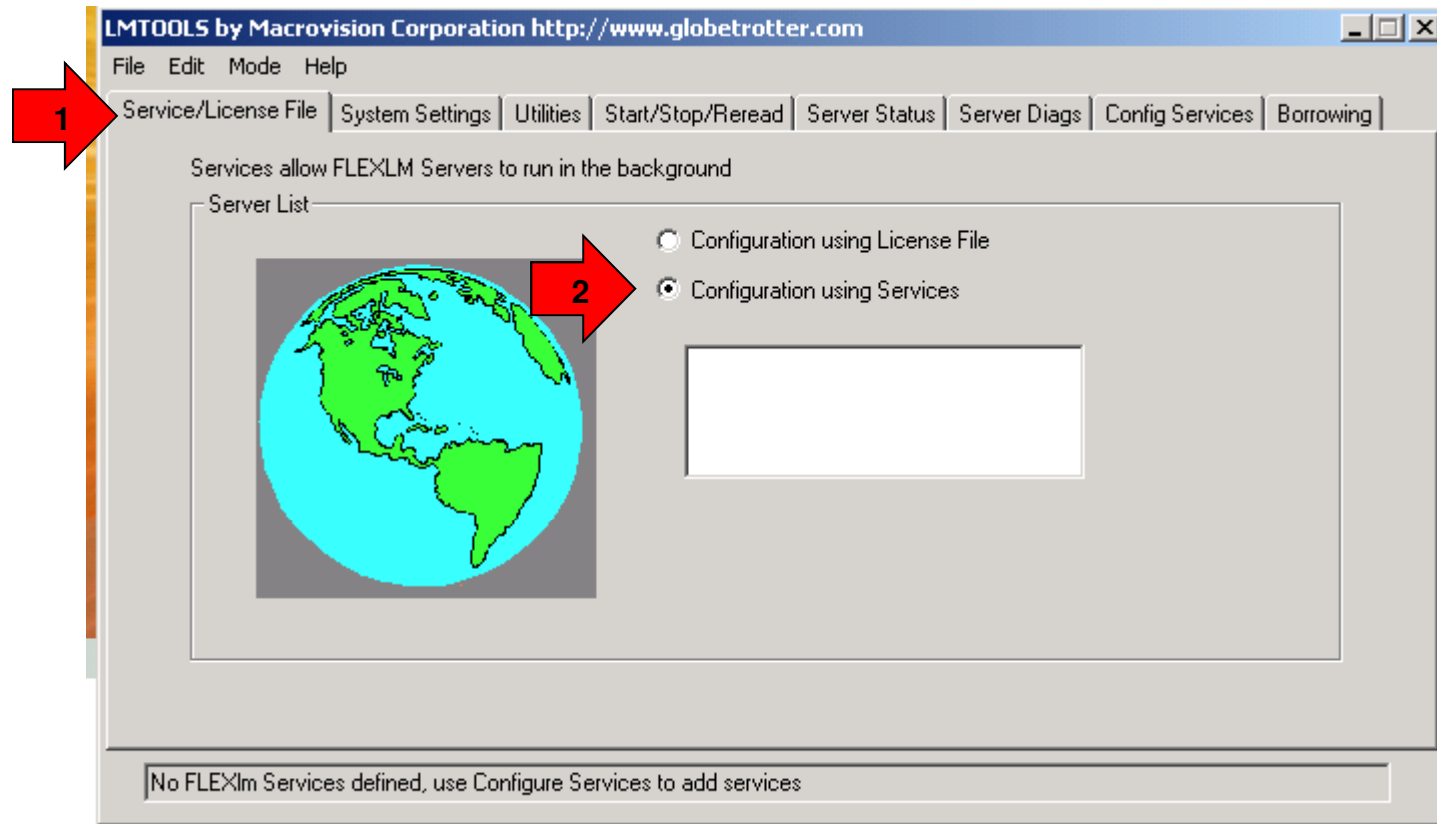
You need a license.dat file supplied by Freescale for use as a « floating license »

Log on Freescale website and go to your MyFreescale/CodeWarrior licensing to get the list of CW products you are licensed for.

2. Download one or several license.dat files related to the CW version you want to use (and rename with specific names to differentiate and remember the license file content)

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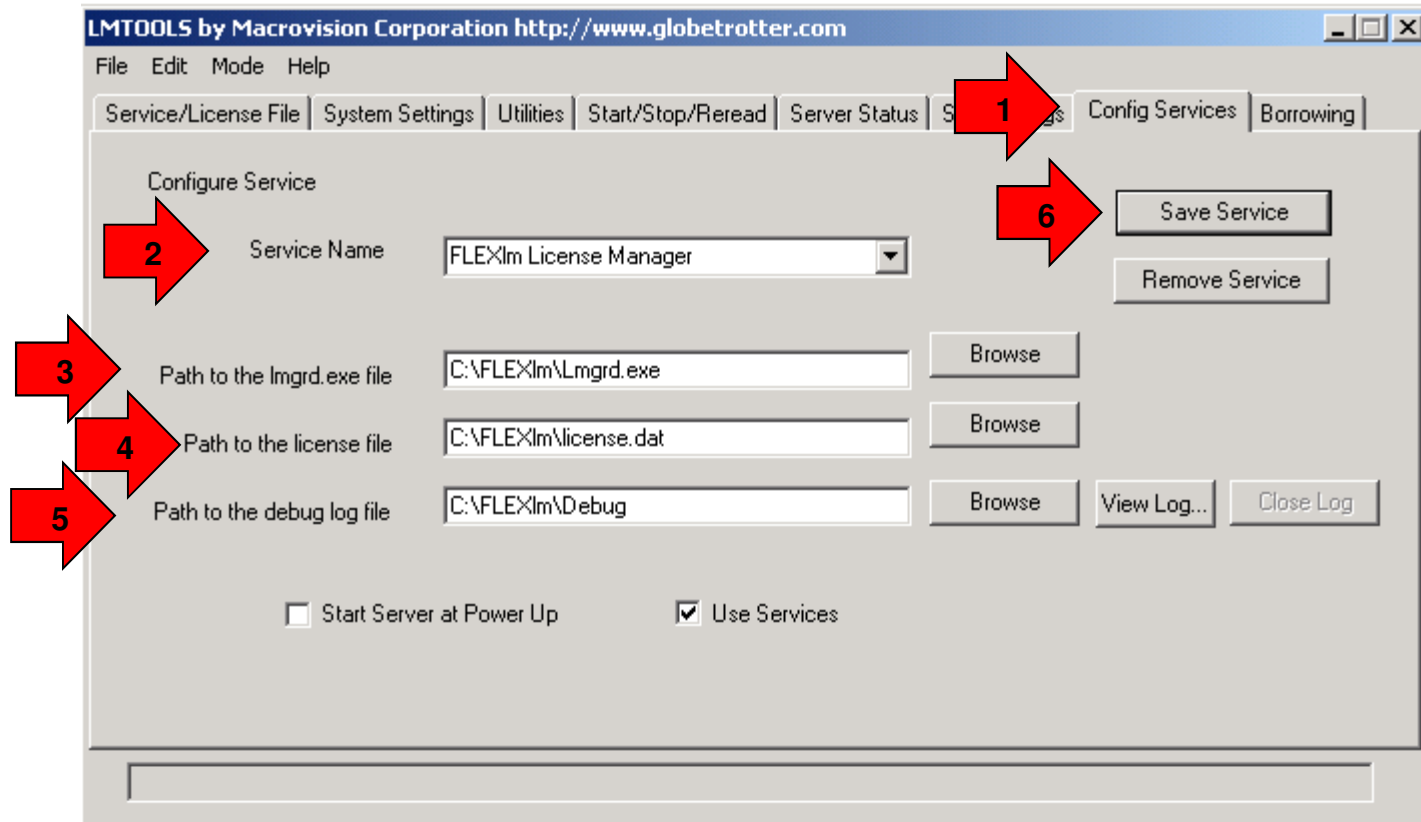
Start FlexLM license manager (lmttools.exe previously installed)

1 Select Tab Service/License file (1st Tab in the tool)

2. Check "Configuration using Services (for WIN XP/NT)

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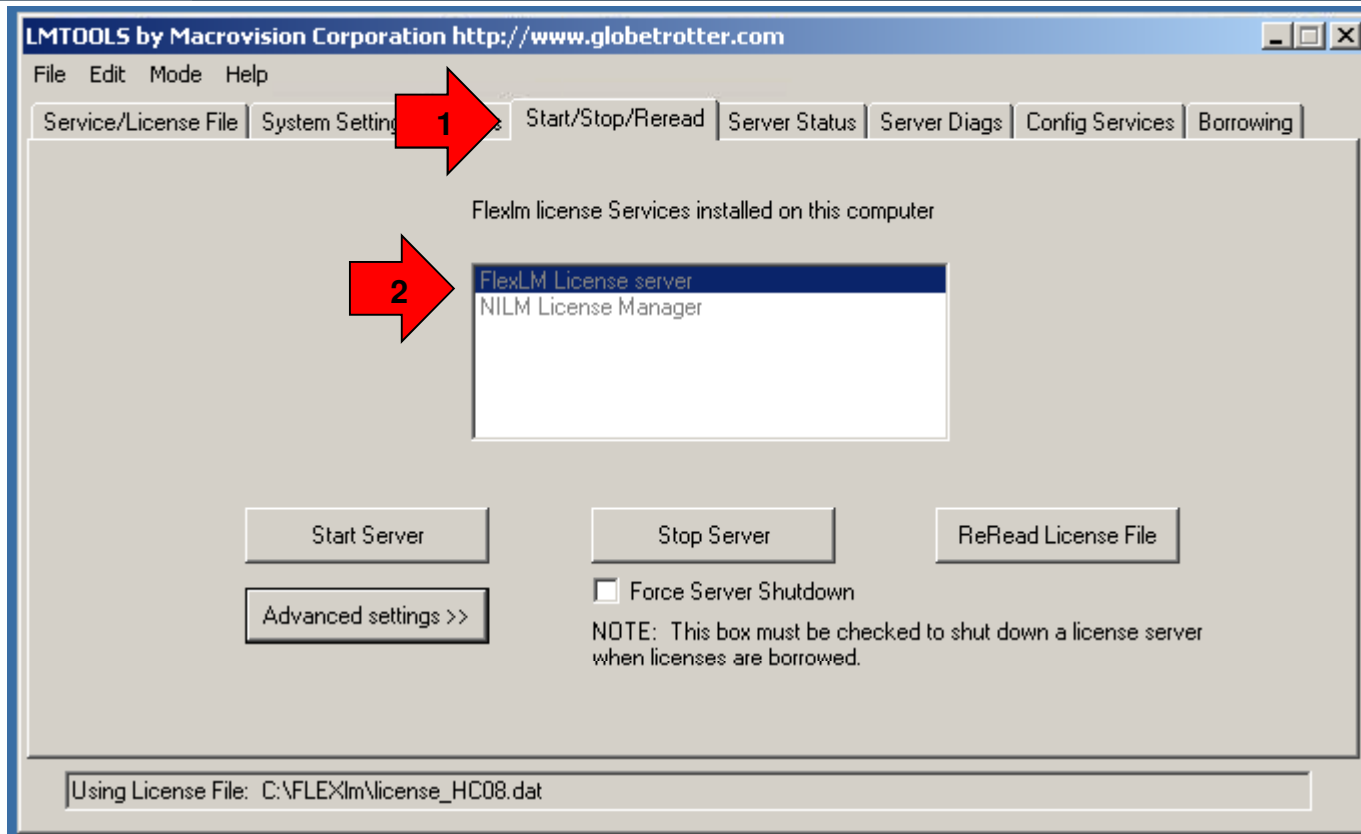
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1. Choose the "Config Services" tab (7th tab in the tool's main window)
 2. Type 'FLEXlm License Manager' or any other name (if the service is already used by a daemon) in the service name field
 3. Locate your License File on the disk for example simply 'C:\FLEXlm\license.dat'.
 4. Imgrd.exe has to be 'lmgrd.exe' (in the Path where you installed FlexLM)
 5. For WinNT/XP, check 'Use NT Services'
 6. Click on save service
- Note : We will explain later how to build a licence.dat for several CW tools versions**

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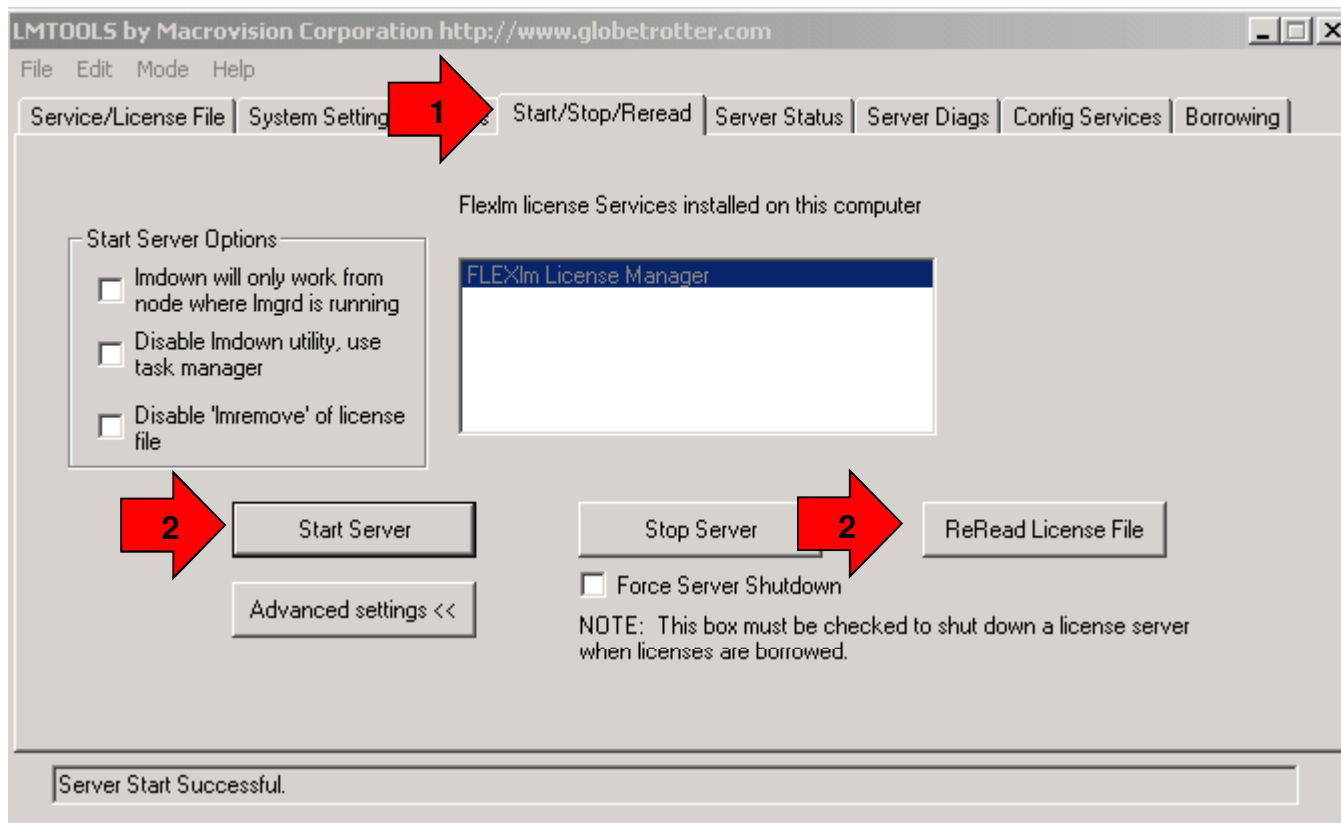
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1. Choose the "Start/Stop/Reread" tab
 2. You can see here the "FlexLM licence server" listed
- Note : Other license servers are listed also here**

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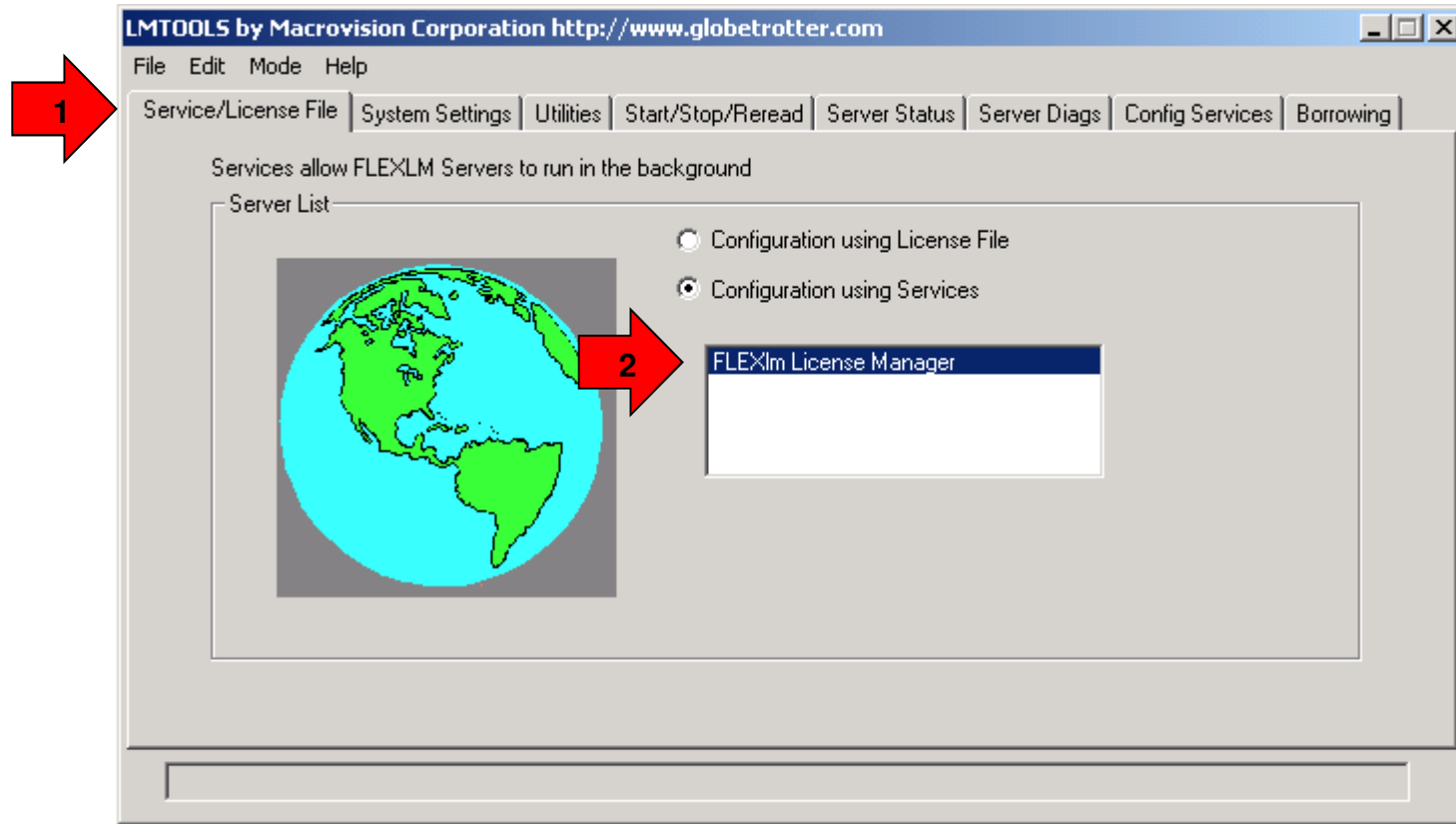
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1. Choose the "Start/Stop/Reread" tab
2. You can now start the service clicking the 'Start' button.
3. Eventually you can ReRead license file (if you change/update the License file)

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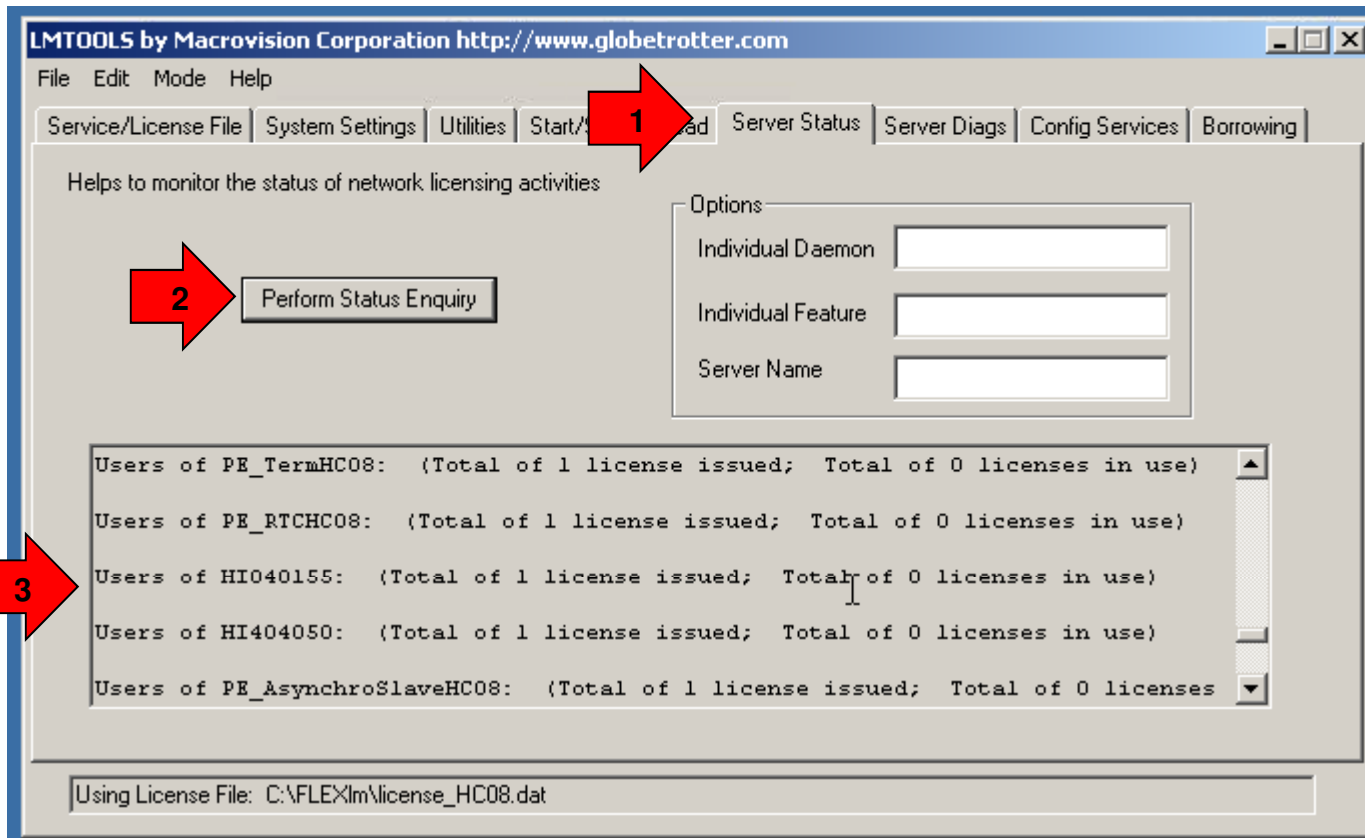
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- 1 Select Tab Service/License file (1st Tab in the tool)**
- 2. You can notice that the “Flexlm license Manager” is listed**

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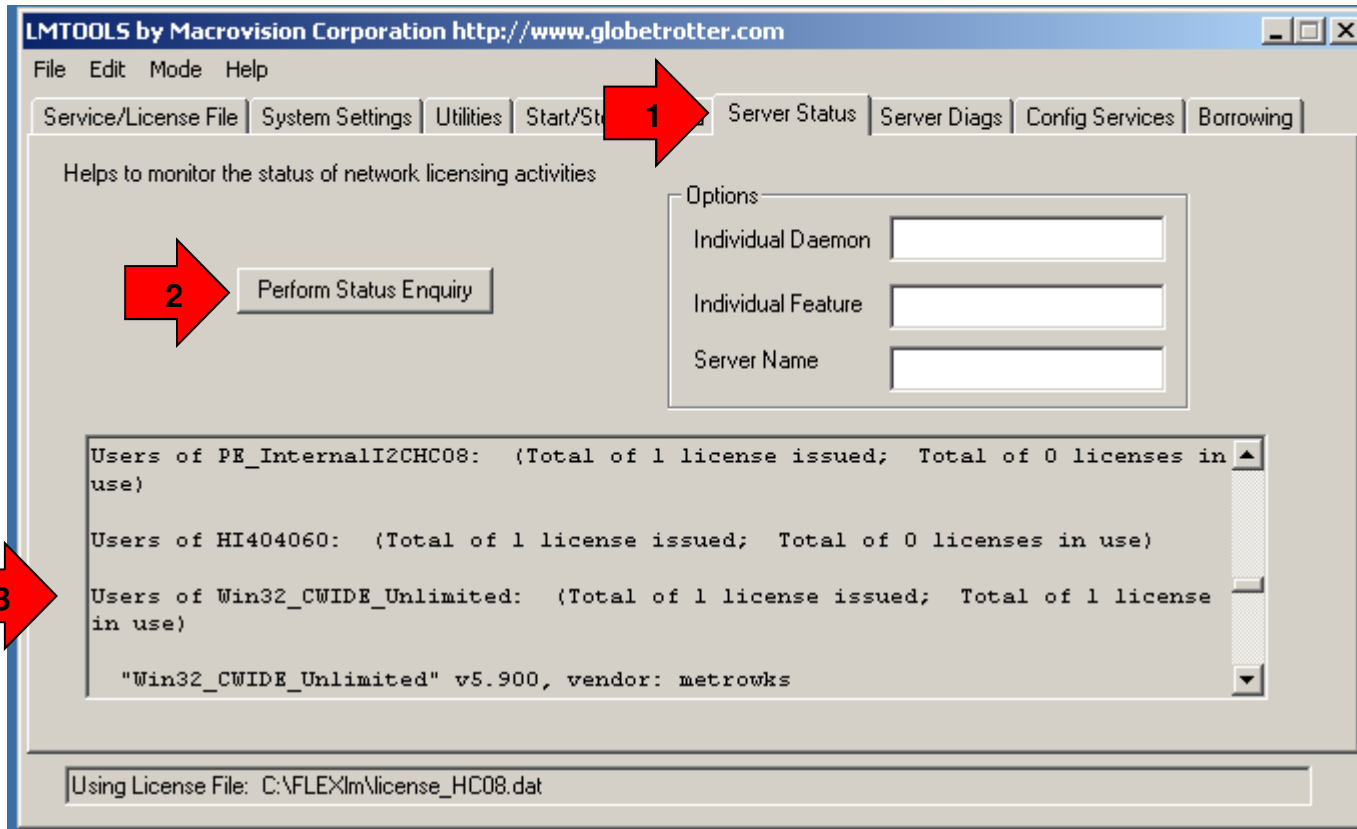
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1. Choose the "Server status" tab (5th tab in the tool's main window)
2. You can check that license information contained in license.dat had been correctly parsed and extracted by clicking "perform Status Enquiry"
3. In the Log windows you see the list of license availables

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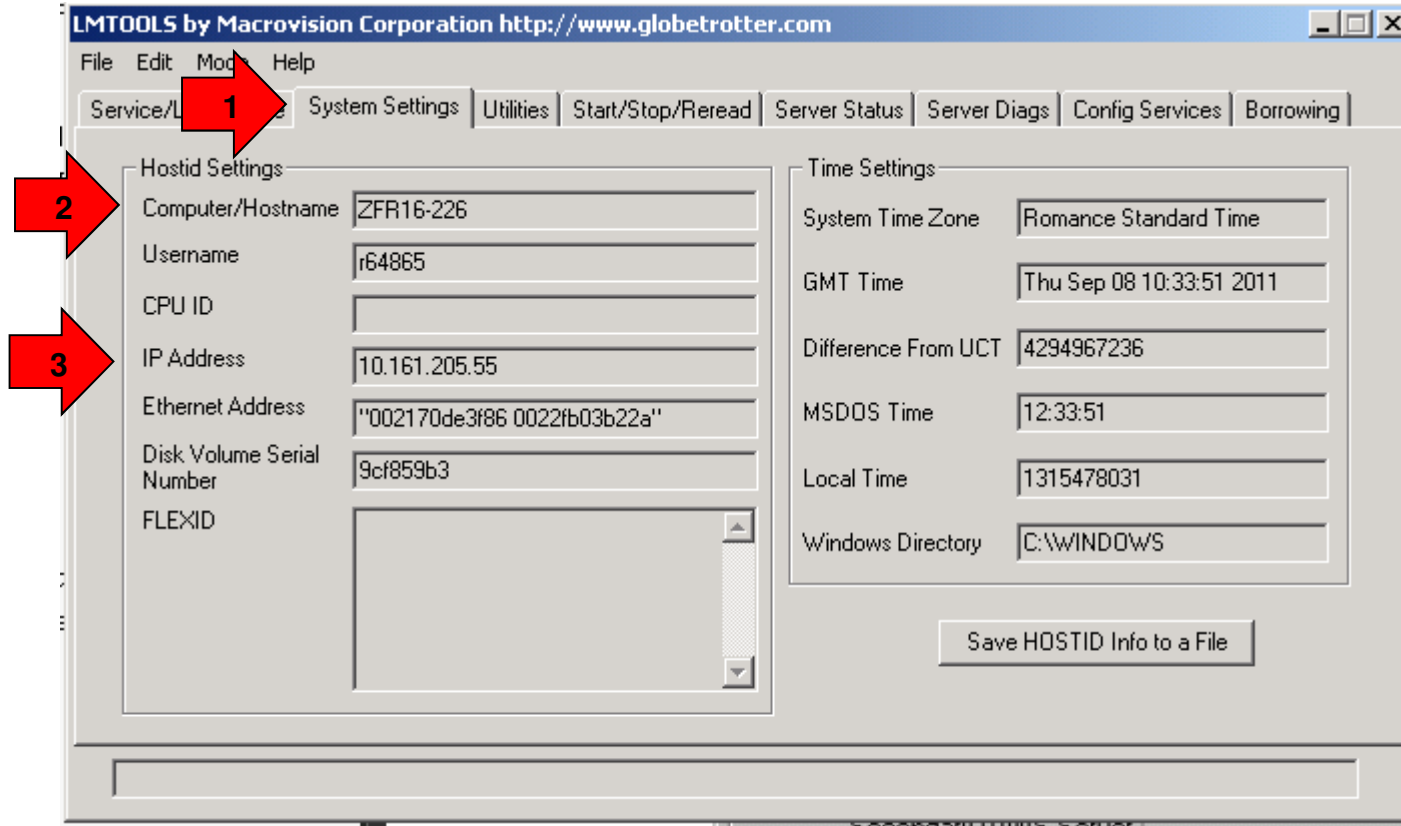


You can monitor license used in real time

1. Choose the “Server status” tab (5th tab in the tool’s main window)
2. In the Log windows you can see for example that on one license is available and is used by a client

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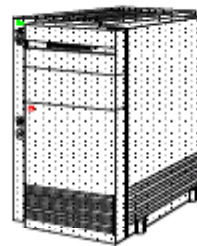
**Before QUIT the FlexLM server interface utility
Note or Save the details of the server name or ip address**

- 1. Choose the “System settings” tab (3rd tab in the tool’s main window)**
- 2. In the windows you see the Hostname of the server**
- 3. Or you see the IP address**

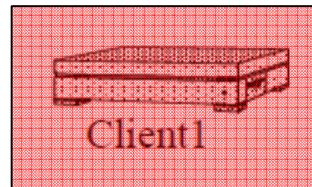
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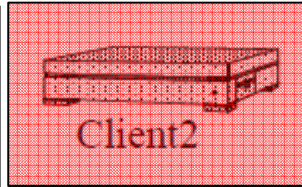
Installation on client side



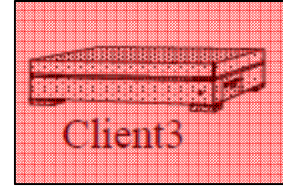
License Server



Client1



Client2



Client3



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Products you are entitled to license:

Part Number	Version	Description	
CWS-568-PRO-LX	8.30	CodeWarrior 56800/E Digital Signal Controllers - Standard Edition	Get License
CWS-68K-FLT	3.20	CodeWarrior for 68K Embedded Systems	Get License
CWS-MCF-LLPLT-LX	2.20	CodeWarrior for ColdFire Architectures Linux Platform Edition (Linux Hosted)	Get License
CWS-MCF-PROED-LX	720	CodeWarrior for ColdFire Architecture Professional Edition	Get License
CWS-MCF-WLAPP-LX	2.40	CodeWarrior for Coldfire Architectures - Linux Application Edition (Windows Hosted)	Get License
CWS-MCU-PROED-LX	10.10	CodeWarrior for Microcontrollers (Windows Hosted, Eclipse based) - Professional Edition	Get License
CWS-MCU-PROLH-LX	10.10	CodeWarrior for Microcontrollers (Linux Hosted, Eclipse based) - Professional Edition	Get License
CWS-MGT-LINWH-LX	9.00	CodeWarrior for mobileGT Linux Application Edition (Windows Hosted)	Get License
CWS-MGT-LLPLT-LX	9.00	CodeWarrior for mobileGT Linux Platform Edition (Linux Hosted)	Get License
CWS-MGT-LX	9.00	CodeWarrior for mobileGT (Windows Hosted) - Professional Edition	Get License
CWS-MPC-5500P-LX	2.80	CodeWarrior for MPC55xx/MPC56xx -	Get License

if not done already or not supplied directly by server administrator

You need to download one or several files « license.dat » from Freescale

Download only the one related to the CW version you use (MCU 8 bits, 16 bits...)

- 1. Log on Freescale website and go to your MyFreescale/CodeWarrior licensing to get the list of product you are licensed for**
- 2. Download each file license.dat and rename with a specific name to remember the license file content**

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```

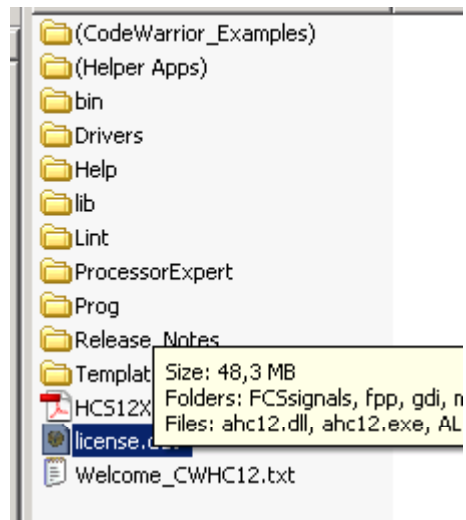
1 #####
2
3 #####
4 # If this is a floating license, replace <this_host> with your
5 # license server host IP address, or your license server host name
6 #####
7 SERVER this_host 001FDUAD767B
8
9
10 INCREMENT HI409285 metrowks 6.000 permanent 1 8A8BA45AF387 \
11   VENDOR_STRING="Coldfire C++ Debug" DUP_GROUP=UH \
12   ISSUER="Freescale Semiconductor" ISSUED=7-sep-2011 BORROW \
13   NOTICE=Distributor SN=FSL-1749-7571-31c9-7f59-a077-6e \
14   START=6-sep-2011
15 INCREMENT HI405295 metrowks 6.000 perman
16   VENDOR_STRING="HC08 C++ Debug" DUP GROU
17   Semiconducto" ISSUED=7-sep-2011 BORROW \
18   SN=FSL-1749-7571-31c9-7f59-a077-71 STAN
19 INCREMENT Win32_ColdFire_Compiler metrow
20   558FFD57BFEC VENDOR_STRING="ColdF
#####
1 #####
2
3 #####
4 # If this is a floating license, replace <this_host> with your
5 # license server host IP address, or your license server host name
6 #####
7 SERVER 192.168.1.21 001FD0AD767B
8
9
10 INCREMENT HI150000 metrowks 5.000 permanent 1 2E069DEF699B \
11   VENDOR_STRING="XGATE Compiler ANSI-C" DUP_GROUP=UH \
12   ISSUER="Freescale Semiconductor" ISSUED=7-sep-2011 BORROW \
13   NOTICE=Distributor SN=FSL-1749-7571-31c9-7f59-a077-6e \
14   START=6-sep-2011
15 INCREMENT HI100360 metrowks 5.000 permanent 1 2CCA98541898 \
16   VENDOR_STRING="HCS12X Compiler ANSI-C" DUP_GROUP=UH \
17   ISSUER="Freescale Semiconductor" ISSUED=7-sep-2011 BORROW \
18   NOTICE=Distributor SN=FSL-1749-7571-31c9-7f59-a077-6e \
19   START=6-sep-2011
20 INCREMENT HI150050 metrowks 5.000 permanent 1 E0A289EB7299 \

```

1. Edit the license.dat file (this is the same as used on server side)
2. Replace « this_host » by ip address or Host name on your network

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1. Save the file where in the code warrior installation is installed

Note : For each code warrior you need to replace the current license.dat by the proper license.dat with network reference to the license server

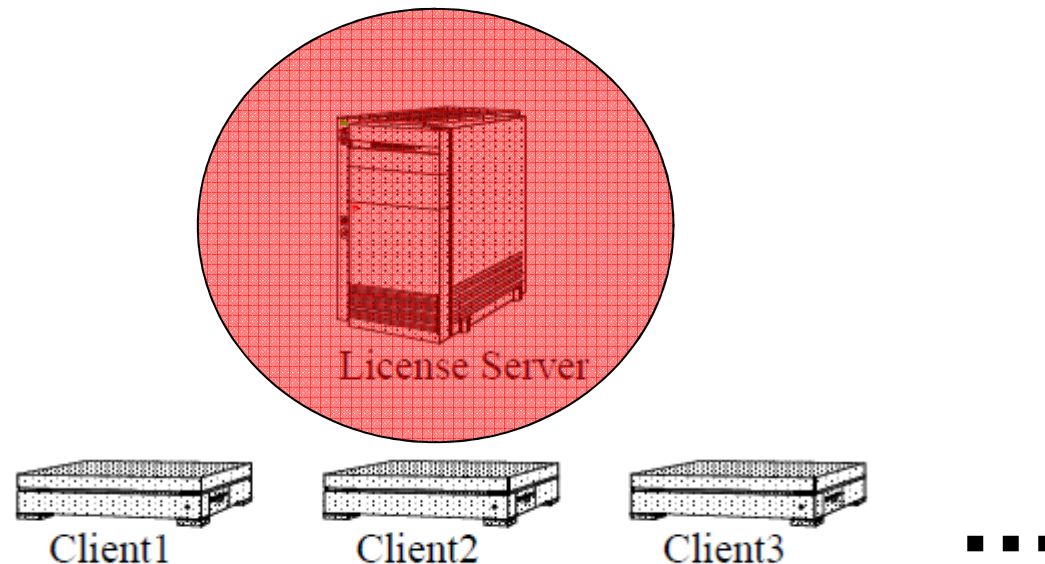
Start CodeWarrior and it is DONE !!!

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Addendum

How to combine licenses of several CW tools on server side



Detailed presentation is :

<http://www.freescale.com/webapp/sps/site/overview.jsp?nodeId=015210272624448523#FLOATCOMPANY>

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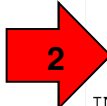
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```
#####
# If this is a floating license, replace <this_host> with your
# license server host IP address, or your license server host name
# #####
SERVER this_host|001FD0AD767B
VENDOR metrowks
USE_SERVER
INCREMENT HI409285 metrowks 6.000 permanent 1 8A8BA45AF387 \
  VENDOR_STRING="Coldfire C++ Debug" DUP_GROUP=UH \
  ISSUER="Freescale Semiconductor" ISSUED=7-sep-2011 BORROW \
  NOTICE=Distributor SN=FSL-1749-7571-31c9-7f59-a077-71 \
  START=6-sep-2011
INCREMENT HI405295 metrowks 6.000 permanent 1 0E95362A2035 \
  VENDOR_STRING="HC08 C++ Debug" DUP_GROUP=UH ISSUER="Freescale \
  Semiconductor" ISSUED=7-sep-2011 BORROW NOTICE=Distributor \
  SN=FSL-1749-7571-31c9-7f59-a077-71 START=6-sep-2011
INCREMENT Win32_ColdFire_Compiler metrowks 6.000 permanent 1 \
  558FFD57BFEC VENDOR_STRING="ColdFire Compiler" DUP_GROUP=UH \
  ISSUER="Freescale Semiconductor" ISSUED=7-sep-2011 BORROW \
  NOTICE=Distributor SN=FSL-1749-7571-31c9-7f59-a077-71 \
  START=6-sep-2011
INCREMENT PE_InternalI2CHC08 metrowks 1.000 permanent 1 57447579F196
  VENDOR_STRING="098762ED6302E6B50E8DF2881843452F, Internal I2C \
  Communication Interface" DUP_GROUP=UH ISSUER="Freescale \
  Semiconductor" ISSUED=7-sep-2011 BORROW NOTICE=Distributor \
  SN=FSL-1749-7571-31c9-7f59-a077-71 START=6-sep-2011
INCREMENT HI404060 metrowks 6.000 permanent 1 853D19E20CD4 \
  VENDOR_STRING="Session Recorder and Player" DUP_GROUP=UH \
  ISSUER="Freescale Semiconductor" ISSUED=7-sep-2011 BORROW \
  NOTICE=Distributor SN=FSL-1749-7571-31c9-7f59-a077-71 \
  START=6-sep-2011
```



1

```
#####
# If this is a floating license, replace <this_host> with your
# license server host IP address, or your license server host name
# #####
SERVER this_host|001FD0AD767B
VENDOR metrowks
USE_SERVER
INCREMENT HI409285 metrowks 6.000 permanent 1 8A8BA45AF387 \
  VENDOR_STRING="Coldfire C++ Debug" DUP_GROUP=UH \
  ISSUER="Freescale Semiconductor" ISSUED=7-sep-2011 BORROW \
  NOTICE=Distributor SN=FSL-1749-7571-31c9-7f59-a077-71 \
  START=6-sep-2011
INCREMENT HI405295 metrowks 6.000 permanent 1 0E95362A2035 \
  VENDOR_STRING="HC08 C++ Debug" DUP_GROUP=UH ISSUER="Freescale \
  Semiconductor" ISSUED=7-sep-2011 BORROW NOTICE=Distributor \
  SN=FSL-1749-7571-31c9-7f59-a077-71 START=6-sep-2011
INCREMENT Win32_ColdFire_Compiler metrowks 6.000 permanent 1 \
  558FFD57BFEC VENDOR_STRING="ColdFire Compiler" DUP_GROUP=UH \
  ISSUER="Freescale Semiconductor" ISSUED=7-sep-2011 BORROW \
  NOTICE=Distributor SN=FSL-1749-7571-31c9-7f59-a077-71 \
  START=6-sep-2011
INCREMENT PE_InternalI2CHC08 metrowks 1.000 permanent 1 57447579F196
  VENDOR_STRING="098762ED6302E6B50E8DF2881843452F, Internal I2C \
  Communication Interface" DUP_GROUP=UH ISSUER="Freescale \
  Semiconductor" ISSUED=7-sep-2011 BORROW NOTICE=Distributor \
  SN=FSL-1749-7571-31c9-7f59-a077-71 START=6-sep-2011
INCREMENT HI404060 metrowks 6.000 permanent 1 853D19E20CD4 \
  VENDOR_STRING="Session Recorder and Player" DUP_GROUP=UH \
  ISSUER="Freescale Semiconductor" ISSUED=7-sep-2011 BORROW \
  NOTICE=Distributor SN=FSL-1749-7571-31c9-7f59-a077-71 \
  START=6-sep-2011
```



2

■ ■ ■

Here we will described and example how to support 2 CW tool version on the server of licenses
You 2 license.dat supplied by Freescale for each of the CW tool versions
Download these from Freescale website (if not done already)
So we have

1. **One file we named « license_HC08.dat » (for 8 bits series of MCU, classic IDE)**
2. **Second file we name « license.S12.dat » (for A6 bits series of MCU, classic IDE)**

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```
#####
# If this is a floating license, replace <this_host> with your
# license server host IP address, or your license server host name
#####
SERVER this_host 001FD0AD767B
VENDOR metrowks
SERVER
INCREMENT HI409285 metrowks 6.000 permanent 1 8A8BA45AF387 \
VENDOR_STRING="Coldfire C++ Debug" DUP_GROUP=UH \
ISSUER="Freescale Semiconductor" ISSUED=7-sep-2011 BORROW \
NOTICE=Distributor SN=FSL-1749-7571-31c9-7f59-a077-71 \
START=6-sep-2011
INCREMENT HI405295 metrowks 6.000 permanent 1 0E95362A2035 \
VENDOR_STRING="HC08 C++ Debug" DUP_GROUP=UH ISSUER="Freescale \
Semiconductor" ISSUED=7-sep-2011 BORROW NOTICE=Distributor \
SN=FSL-1749-7571-31c9-7f59-a077-71 START=6-sep-2011
INCREMENT Win32_ColdFire_Compiler metrowks 6.000 permanent 1 \
558FFD57BFEC VENDOR_STRING="ColdFire Compiler" DUP_GROUP=UH \
ISSUER="Freescale Semiconductor" ISSUED=7-sep-2011 BORROW \
NOTICE=Distributor SN=FSL-1749-7571-31c9-7f59-a077-71 \
START=6-sep-2011
INCREMENT PE_InternalI2CHC08 metrowks 1.000 permanent 1 57447579F196
VENDOR_STRING="098762ED6302E6B50E8DF2881843452F, Internal I2C \
Communication Interface" DUP_GROUP=UH ISSUER="Freescale \
Semiconductor" ISSUED=7-sep-2011 BORROW NOTICE=Distributor \
SN=FSL-1749-7571-31c9-7f59-a077-71 START=6-sep-2011
INCREMENT HI404060 metrowks 6.000 permanent 1 853D19E20CD4 \
VENDOR_STRING="Session Recorder and Player" DUP_GROUP=UH \
ISSUER="Freescale Semiconductor" ISSUED=7-sep-2011 BORROW \
NOTICE=Distributor SN=FSL-1749-7571-31c9-7f59-a077-71 \
START=6-sep-2011
```

```
#####
# If this is a floating license, replace <this_host> with your
# license server host IP address, or your license server host name
#####
SERVER this_host 001FD0AD767B
VENDOR metrowks
USE SERVER
INCREMENT HI409285 metrowks 6.000 permanent 1 8A8BA45AF387 \
VENDOR_STRING="Coldfire C++ Debug" DUP_GROUP=UH \
ISSUER="Freescale Semiconductor" ISSUED=7-sep-2011 BORROW \
NOTICE=Distributor SN=FSL-1749-7571-31c9-7f59-a077-71 \
START=6-sep-2011
INCREMENT HI405295 metrowks 6.000 permanent 1 0E95362A2035 \
VENDOR_STRING="HC08 C++ Debug" DUP_GROUP=UH ISSUER="Freescale \
Semiconductor" ISSUED=7-sep-2011 BORROW NOTICE=Distributor \
SN=FSL-1749-7571-31c9-7f59-a077-71 START=6-sep-2011
INCREMENT Win32_ColdFire_Compiler metrowks 6.000 permanent 1 \
558FFD57BFEC VENDOR_STRING="ColdFire Compiler" DUP_GROUP=UH \
ISSUER="Freescale Semiconductor" ISSUED=7-sep-2011 BORROW \
NOTICE=Distributor SN=FSL-1749-7571-31c9-7f59-a077-71 \
START=6-sep-2011
INCREMENT PE_InternalI2CHC08 metrowks 1.000 permanent 1 57447579F196
VENDOR_STRING="098762ED6302E6B50E8DF2881843452F, Internal I2C \
Communication Interface" DUP_GROUP=UH ISSUER="Freescale \
Semiconductor" ISSUED=7-sep-2011 BORROW NOTICE=Distributor \
SN=FSL-1749-7571-31c9-7f59-a077-71 START=6-sep-2011
INCREMENT HI404060 metrowks 6.000 permanent 1 853D19E20CD4 \
VENDOR_STRING="Session Recorder and Player" DUP_GROUP=UH \
ISSUER="Freescale Semiconductor" ISSUED=7-sep-2011 BORROW \
NOTICE=Distributor SN=FSL-1749-7571-31c9-7f59-a077-71 \
START=6-sep-2011
```



COPY

...

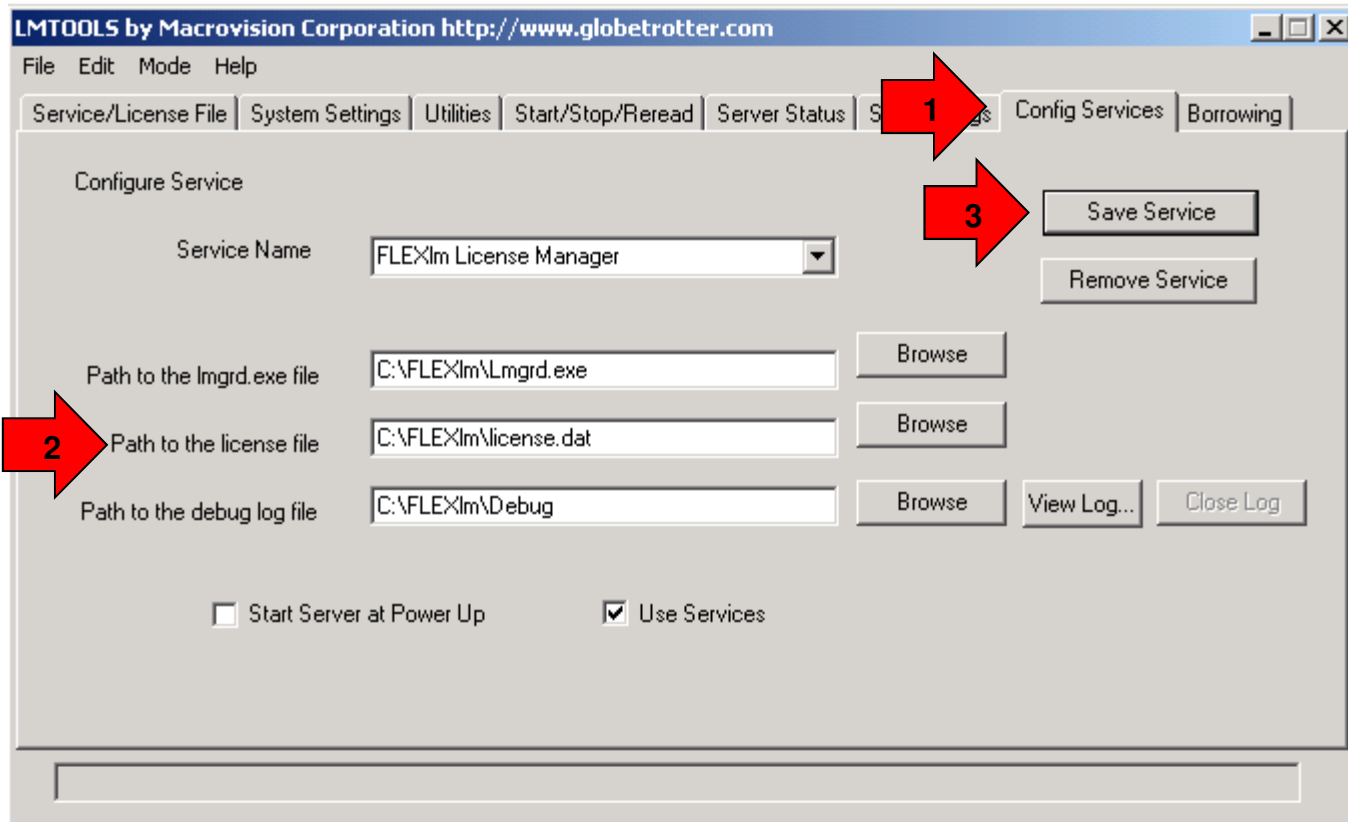
1. Edit « license_HC08.dat », replace « this_host » by server host name or ip address and SaveAs with name « license.dat »
2. Edit file « license_HC12.dat » and Copy all content starting with first line named « INCREMENT » until the end of the file
3. Edit « license.dat » previously save & Paste the content after the last line of the file
4. Then save the new « license.dat » file with additional content

You have merged the 2 license information from the 2 files into one single file

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On the server open the flexLM manager

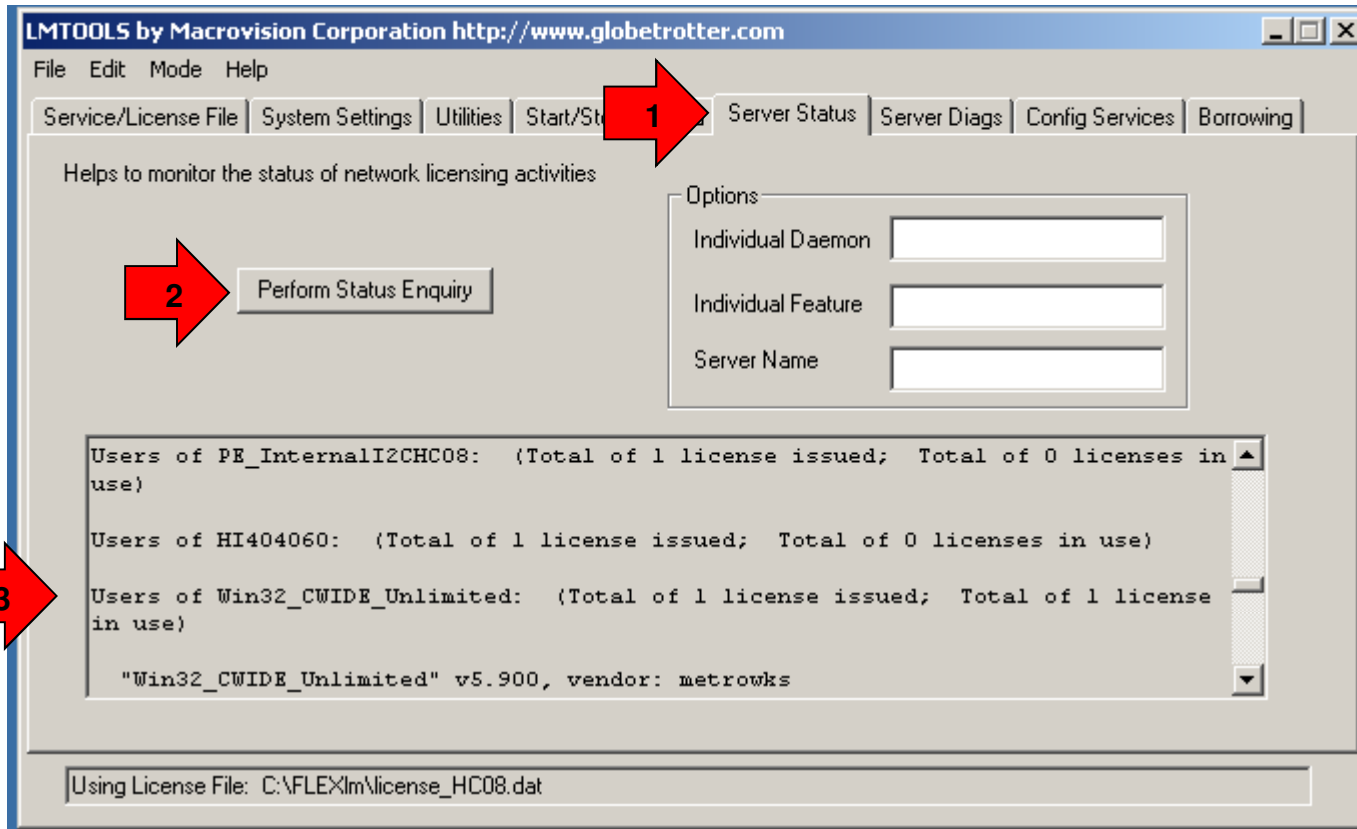
1. Choose the "Config Services" tab (7th tab in the tool's main window)
2. Locate the "freshly" created License File on the disk (new merged "license.dat")
3. Click on save service

[NOTE]

It might be necessary to STOP and RESTART the FlexLM service so that update information Of the license.dat is read or just ReRead the license file

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You can check that new list of licenses availables had be added and is listed

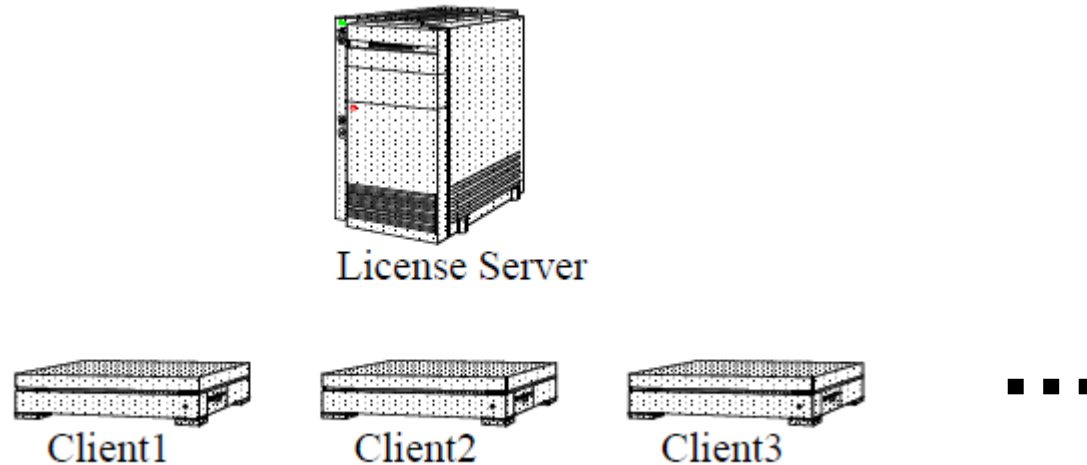
1. Choose the “Server status” tab (5th tab in the tool’s main window)
2. In the Log windows you see that on one license available on is used by a client

In our example you could check taht both licenses for HC08 and HC12 are availables

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Combined licenses of several CW tool



Do not forget to install license_HC08.dat and licenses_HC12.dat both renamed into license.dat onto **each client & CW installed directory** (with IP address or Hostname of the server)

This operation could be repeated by adding other license information from other CW tool & merging license.dat in order to build one unique license.dat used by the server

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