

## Licenses and LEF Instruction for Sales and Consultants

### 1. Quick LEF solutions

- If you have a customer who wants to enter the license details for QV6 and the LEF process does not work automatically then you can follow these steps:  
Check that the customer has the correct product level of QlikView installed, C:\Program Files\QlikView\6 or similar, QVE.exe (Enterprise), QVP.exe (Professional), QVA.exe (Analyzer).
- Ask the person responsible for the Navision license entries to check the details and to check that the license number is updated for Version 6.  
Sweden: Anna, Henrik, Carolina, Lars, Germany: Renate, Ulrike US: Sandi
- Check that the customer has Internet access and that he or she can connect to our Website, so you know that the automatic license enabling connection is functioning.
- A manual LEF code can be generated in Navision and sent to the customer. There are a few reasons why a customer cannot access the License Enabler Server (Firewall, Server down, power failure). If the customer cannot connect to this website, then we can supply him or her with the License Enabling Information by phone or mail. This information can then be entered manually by the customer during the start up procedure or installation process.  
Contact: Sweden: Anna, Henrik, Carolina, Lars, Germany: Renate, Ulrike, US: Sandi

Please report the Navision bugs to Lars Björk and QlikView bugs to bugs@qliktech.com.

### Navision Details

To check the license details (or generate a Manual LEF code) in Navision please contact: Sweden: Anna, Henrik, Carolina, Lars, Germany: Renate, Ulrike US: Sandi

### 2. How to apply the Manual LEF code

When the user starts QlikView with neither valid LEF file nor connection to the License Enabler Server, he will first see the following window:

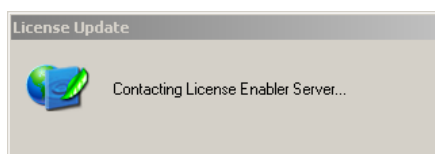


Figure 1. Contacting LEF Server

Then a dialog will open that will tell the customer that he or she does not have a LEF code.

For QlikView 6.0 (prior to July 10th 2003) it looks like the following window:

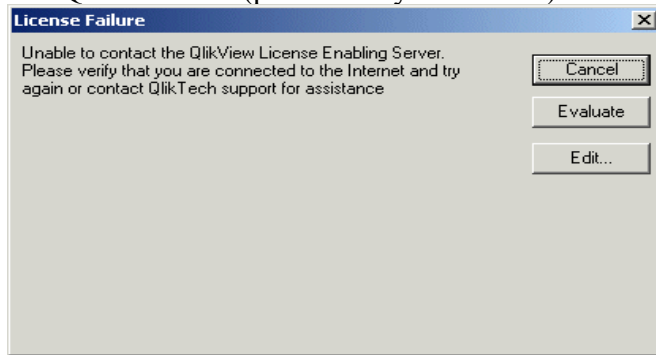


Figure 2. The 6.0 License Failure dialog

If the “Edit” button is pressed, a dialog in which the customer can enter his LEF code is opened. For QlikView 6.01 (after July 11th 2003) it looks like the following picture or similar:

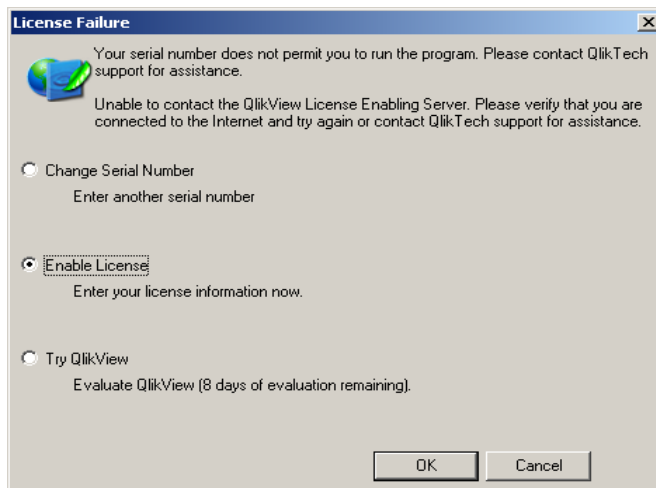


Figure 3. The 6.01 License Failure dialog

Here, “Enable license” should be chosen and OK pressed. Then, a dialog in which the customer can enter his LEF code is opened.

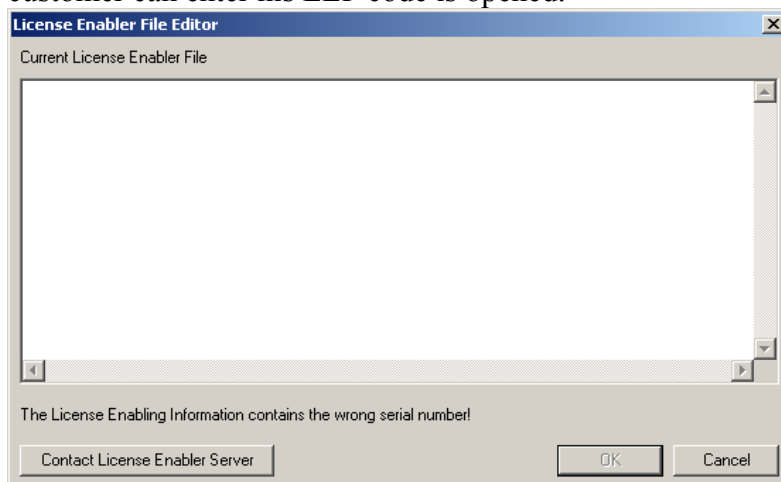


Figure 3. The LEF editor

The LEF code looks something like the following:

```
4600239471118802  
PRODUCTLEVEL;3;;  
2VQD-8C78-NR91-RZ9R-V4BZ
```

The OK button is gray as long as the LEF code is incorrect, e.g. if the check sum is incorrect. When a correct LEF code is entered (typed or pasted) into the LEF editor and the OK button is pressed, QlikView automatically creates the LEF file (Lef.txt) in the Application settings of the profile of this user, and QlikView starts.

## **Background Information about Licenses and LEF files**

### **Basics**

- The (16-digit) license number and the associated (5-digit) control number can only be created in Navision.
- A LEF code is a code that enables the user to run QlikView. It is needed in addition to the license number and the control number.
- A LEF file is a file on the client computer containing the LEF code.

### **What is the LEF file ?**

- The LEF file is the License Enabling File that carries all the information regarding the individual license keys for QV.
- The LEF file is used for version 6 and on.
- All information is stored in Navision for all active license keys.
- All licenses sold prior to the start up license generating in Navision are imported into Navision.

### **How does the system work ?**

- Every hour the license enabling information (LEF codes) is sent by ftp from Navision to our License Enabler Server in the DMZ – CET between 08:00 and 24:00
- When the customer runs QlikView, a built in function will access our License Enabler Server to check for the LEF code.
- If all information is correct, the customer will hardly notice anything while starting QlikView and the LEF code will enable him or her to use the program accordingly.
- QlikView finally stores the LEF code in the LEF file on the local computer. The next time QlikView is started, QlikView will only check the LEF file – no server call will be made – so offline work will be possible once the client has a LEF file.

### **When is the LEF file accessed?**

- Every time QlikView is started.  
Note: The “LEF file” is the file that is stored on the local computer of the customer.

**What information is stored in the LEF file?**

A lot of relevant information is stored in the LEF file. E.g.

- License number.
- Product level.
- Expiry date.
- Special information, e.g. Site license.
- A check sum so that it is not possible to change the information in the LEF file, without QlikView noticing it. If the file has been changed, QlikView considers it to be invalid.

**When is the License Enabler Server accessed?**

The License Enabler Server is accessed when QlikView is started, but only if

- The local LEF file is missing, e.g. QlikView 6 has just been installed or the customer has just upgraded QlikView 5 to QlikView 6.
- The local LEF file is invalid, e.g. it is someone else's LEF file (incorrect license number) or it has an incorrect check sum.
- The local LEF file is more than a year old.
- A new version (Full: for QlikView 7 or QlikView 8, but not for QlikView 6.1) has been installed.