

TokenWorks Parsing License Behavior Guide

The two parsing libraries (MagQLibNet.dll, PdfQLibNet.dll) from TokenWorks are protected by a hardware signature based license. The parsing libraries require licensing DLL to be located in the same directory:

- QlmLicenseLib.dll

These files are located in the Demo project DLLs folder. When you deploy your application the licensing DLLs and Parsing DLLs should be deployed in the same folder as your application.

License Activation

To activate the parsing libraries, an activation code is required. The activation code is requested during the license Activation process. The first time either parsing library is called, the activation form will be displayed. There are two methods of license activation, Online or Offline / Manual. Below are screen shot of the activation form.

To use the Online Activation, you must be able to get your computer on line to the web and you must have an Activation key and support a GUI.

Alternatively, you can run the DLLs with no activation form, using the bool passed in the constructor (set to false) to control the activation form. When no GUI is used, the user must use the license portal and the activation code, to download an xml license file, and copy this file to the deployment folder.

```
PdfQLibNet.Barcode bc;  
bool showActivation = true; // pass this to the constructor, for the gui based demo app  
bc = new PdfQLibNet.Barcode(showActivation); //the constructor with bool set for GUI
```

The statement above will load the PdfQLibNet.dll into memory and validate the license. You only have to do this one time per run of you application, usually during initialization. See the Demo app for implementation.

Activation

Online Activation (Internet connection required)

Activation Code:

Activate

Offline Activation

Go to the link below. From that link, generate the license file and it put into the application directory. Then press the Continue button

<https://customersite.tokenworks.net>

ComputerID Continue

Trial Close

Example of the activation form, from the parsing dll

Note: your ComputerID will be different than TokenWorksE6410, this is just demonstrating how the form will read out the Device Name of the computer it is running on.

After activation, the demo app will run, and you can test the parser using the simulated scans, triggered by the buttons.

For Non-Gui users, if you run the demo app with no license file in the application folder, you will not see the activation form, nor will you be able to access the demo app.

To help Identify the computer name when there is no GUI, a text file called: IDParser_EventLog.txt will be generated which will contain the ComputerID name for your machine. You will need to provide this when you download your license file from the self help portal.

See Manual Activation for details

License Behavior

The TokenWorks Parser library is licensed using a subscription model. The subscription is enforced by the s/w Maintenance Renewal Date. This date is normally 1 year from date of purchase, however for first time customers the date will be 18 months to allow for some time to ensure a recurring payment plan can be created.

When the s/w maintenance renewal date has arrived, and you have previously renewed your agreement with TokenWorks, then your license file will automatically be updated via a web connection, when you run your application.

If your machine is off line, you will need to download a new license file using the license portal, see Manual Activations.

Note: if your sw maintenance renewal expires, you will not be able to run a later version of the software, your parsing software will enter a degraded mode where the issue date of scanned drivers licenses that match the s/w maintenance renewal date will include messages to update license in the name and address fields and the KeyResponse will be 98 to indicate an expired s/w maintenance agreement.

Non-Gui users who run into these same situations need to track the KeyStatus, KeyResponse, KeyswMaintRenewData strings to detect if/when a license issue arises.

Note: only PDF417 barcodes contain Issue Dates, and so the degraded mode for the barcode parser will use this field to implement degraded mode.

For barcode degraded mode, if the current card matches this years issuance date, the parser will return empty strings for the name fields and use the address field to print the message:

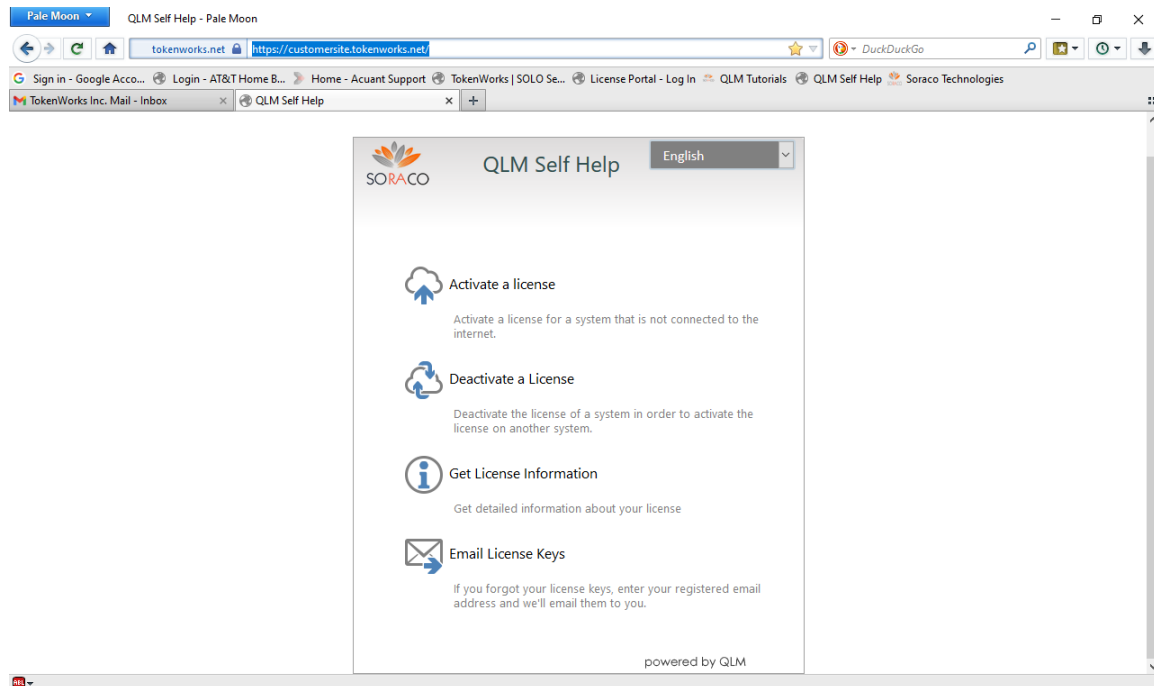
```
First_DL = "";  
Mid_DL = "";  
Last_DL = "";  
Addr_DL = "SW Maintenance expired Call TokenWorks";
```

The Magstripe Card does not have a Issue date and will modify the Endorsement, Restriction, Class fields with a message: "SW Maint. Expired, Call Tokenworks" when the s/w maintenance period has expired.

Manual Activation – supports off line activation

If you are unable to have the PC/Server go on line and perform the license activation, then you can use another online PC, Laptop, or tablet at the self help portal at the following URL:

<https://customersite.tokenworks.net/>



The Self Help portal can also be launched from the first page of the Activation Form, by clicking the button labeled: License Portal

Click on the Activate License icon on the Self Help portal

You will need the Activation Code and the Device Name (ComputerID), which you can obtain from the Operating system. The ComputerID string is normally displayed on the activation form, you can also obtain it from the OS:

For Win10, click Settings->System and copy the device name.

Note: if you are running with no GUI, then you can run the demo app on an unlicensed machine and it will generate a text file called: IDParser_EventLog.txt that contains the ComputerID.

Below is an example of Manual Activation:

The screenshot shows a web browser window with the URL <https://customersite.tokenworks.net/>. The page title is "Offline License Activation" and it features the SORACO logo. The form contains the following fields and elements:

- A text box for the Activation Key containing: `BAM50-H0Q01-GHJ43-K81AB-5J449-VBRD4-4NYUT`
- A pull-down menu for the product, currently showing "ServerParserSDK 4.1".
- A text box for the Computer ID containing: `TOKENWORKSE6410`
- A checkbox labeled "Generate a license file" which is currently unchecked.
- A text box for the Computer Key, which is empty.
- An orange "Activate" button at the bottom right.
- A footer note: "powered by QLM".

The first text box contains the Activation code:
`BAM50-H0Q01-GHJ43-K81AB-5J449-VBRD4-4NYUT`

The second text box has a pull down menu, where you select the product; in this case it is called: `ServerParserSV SDK 4.1`, the released version of code will be at a higher version. E.g. `ServerParserSV SDK 4.3`

The third box contains the device name or ComputerID of your system that you want to activate. In this case my PC has a device name:
`TOKENWORKSE6410`

Note: this is the name of a TokenWorks development PC, DO NOT use this same string, you should use the name of your computer, find it by going to settings->System-About and use the name listed next to: **Device Name**
Or obtain the device name from the activation form.

Check the box that is labeled: Generate a license file.

Click the orange button on the bottom of the form called Activate, and you will see a "save file" dialog, to save the file: **LicenseFile.xml**

Copy this file to the same directory as the parsing DLLs and the licensing DLLs, and your executable application that is referencing the parsing Library.