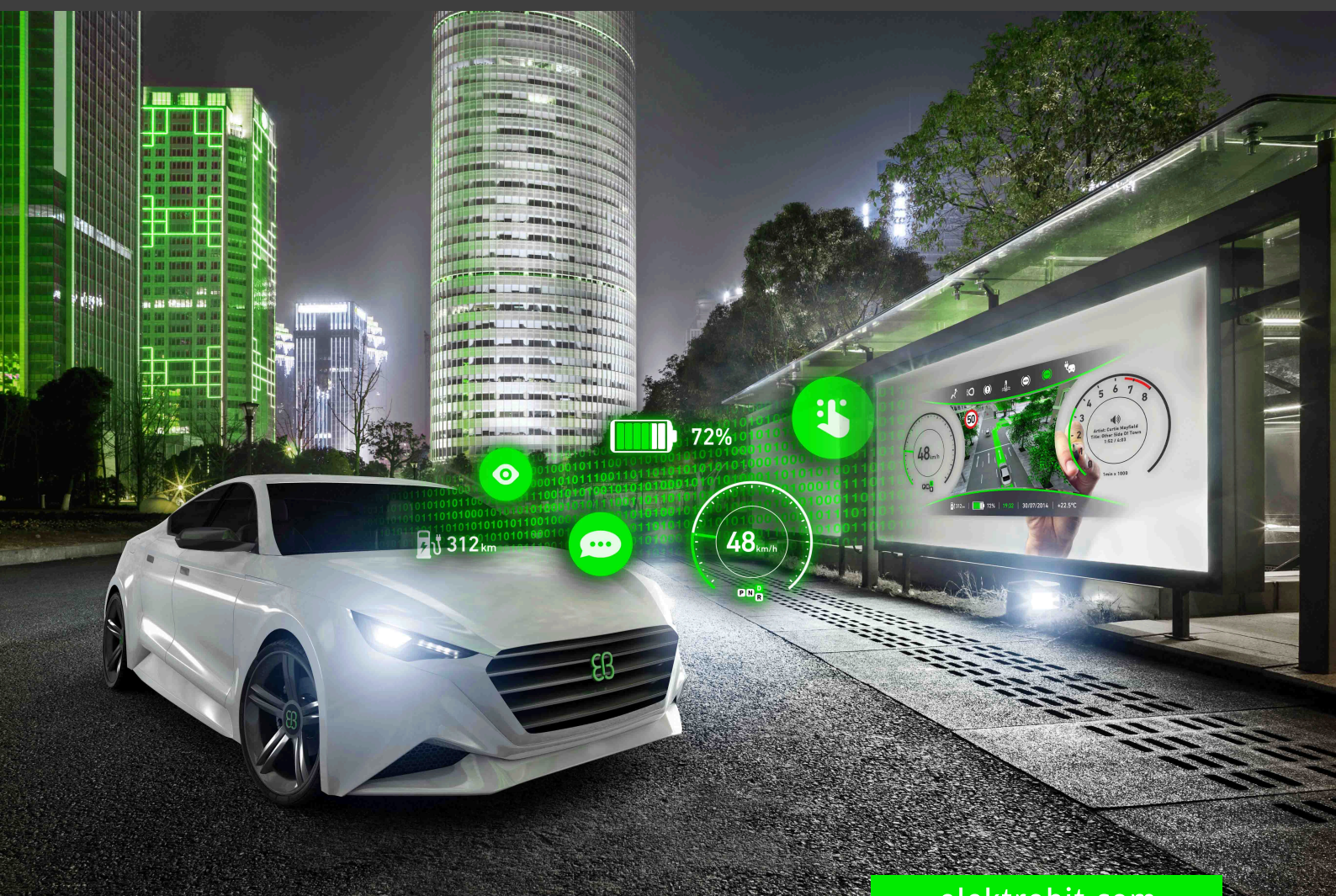




Elektrobit

# Product licensing User Guide

version 1.5.0



[elektrobit.com](http://elektrobit.com)

Elektrobit Automotive GmbH  
Am Wolfsmantel 46  
91058 Erlangen, Germany  
Phone: +49 9131 7701 0  
Fax: +49 9131 7701 6333  
Email: [info.automotive@elektrobit.com](mailto:info.automotive@elektrobit.com)

## Technical support

### Support URL

<https://www.elektrobit.com/support>

## Legal notice

Confidential and proprietary information

ALL RIGHTS RESERVED. No part of this publication may be copied in any form, by photocopy, microfilm, retrieval system, or by any other means now known or hereafter invented without the prior written permission of Elektrobit Automotive GmbH.

All brand names, trademarks and registered trademarks are property of their rightful owners and are used only for description.

Copyright 2020, Elektrobit Automotive GmbH.

# Table of Contents

|   |           |
|---|-----------|
| Modification history .....                                  | 7         |
| <b>1. Typography and style conventions .....</b>            | <b>9</b>  |
| <b>2. Overview .....</b>                                    | <b>11</b> |
| 2.1. Target groups .....                                    | 11        |
| 2.2. Maintenance license model .....                        | 11        |
| 2.3. License bundles .....                                  | 12        |
| 2.3.1. Single user or evaluation license .....              | 12        |
| 2.3.2. Floating license .....                               | 12        |
| 2.3.3. Dongled license .....                                | 13        |
| 2.3.4. Hardware license .....                               | 13        |
| 2.4. License file details .....                             | 13        |
| 2.4.1. Reading the FlexNet Publisher license file .....     | 14        |
| 2.4.2. Reading the Hardware license file .....              | 15        |
| 2.4.3. Reading the legacy floating license file set .....   | 16        |
| 2.4.4. Reading the legacy dongle license file .....         | 17        |
| 2.5. License activation .....                               | 18        |
| 2.5.1. General information on license activation .....      | 18        |
| 2.5.2. License Administrator user interface .....           | 18        |
| <b>3. Using the EB licensing portal .....</b>               | <b>20</b> |
| 3.1. Overview .....   | 20        |
| 3.1.1. Login to the EB licensing portal .....               | 20        |
| 3.1.2. Password lost .....                                  | 20        |
| 3.2. Profile administration .....                           | 21        |
| 3.3. Account administration .....                           | 21        |
| 3.3.1. Managing allocation accounts .....                   | 22        |
| 3.3.1.1. Creating an allocation account .....               | 23        |
| 3.3.1.2. Adding an allocation account .....                 | 23        |
| 3.3.1.3. Adding allocation account members .....            | 24        |
| 3.3.1.4. Assigning permissions to account members .....     | 25        |
| 3.3.1.5. Switching to an allocation account .....           | 25        |
| 3.3.1.6. Verifying a transferred order .....                | 26        |
| 3.4. License administration .....                           | 27        |
| 3.4.1. Searching licenses .....                             | 27        |
| 3.4.2. Accessing your licenses .....                        | 28        |
| 3.4.3. Transferring licenses to an allocation account ..... | 30        |
| 3.4.4. Splitting licenses between allocation accounts ..... | 31        |
| <b>4. The licensing project on EB Command .....</b>         | <b>34</b> |

|   |           |
|---|-----------|
| <b>5. Single user or evaluation licenses .....</b>                  | <b>35</b> |
| <b>5.1. Activating single user or evaluation licenses .....</b>     | <b>35</b> |
| 5.1.1. Installing the EB Client License Administrator tool .....    | 36        |
| 5.1.1.1. Installing for Microsoft Windows .....                     | 36        |
| 5.1.1.2. Installing for Linux .....                                 | 37        |
| 5.1.2. Activating a single user or evaluation license online .....  | 37        |
| 5.1.2.1. Activating on Microsoft Windows .....                      | 37        |
| 5.1.2.2. Activating on Linux .....                                  | 38        |
| 5.1.3. Activating a single user or evaluation license offline ..... | 39        |
| 5.1.3.1. Activating on Microsoft Windows .....                      | 39        |
| 5.1.3.2. Activating on Linux .....                                  | 40        |
| <b>5.2. Returning a single user or evaluation license .....</b>     | <b>42</b> |
| 5.2.1. Returning a single user or evaluation license online .....   | 42        |
| 5.2.1.1. Returning on Microsoft Windows .....                       | 42        |
| 5.2.1.2. Returning on Linux .....                                   | 42        |
| 5.2.2. Returning a single user or evaluation license offline .....  | 43        |
| 5.2.2.1. Returning on Microsoft Windows .....                       | 43        |
| 5.2.2.2. Returning on Linux .....                                   | 44        |
| <b>5.3. Upgrading a single user or evaluation license .....</b>     | <b>46</b> |
| 5.3.1. Upgrading a single user or evaluation license online .....   | 47        |
| 5.3.1.1. Upgrading on Microsoft Windows .....                       | 47        |
| 5.3.1.2. Upgrading on Linux .....                                   | 47        |
| 5.3.2. Upgrading a single user or evaluation license offline .....  | 48        |
| <b>5.4. Repairing a broken license .....</b>                        | <b>48</b> |
| 5.4.1. Repair on Microsoft Windows .....                            | 49        |
| 5.4.2. Repair local licenses on Linux .....                         | 49        |
| <b>5.5. Removing an expired license .....</b>                       | <b>50</b> |
| 5.5.1. Removing on Microsoft Windows .....                          | 50        |
| 5.5.2. Removing on Linux .....                                      | 50        |
| <b>6. Floating licenses .....</b>                                   | <b>52</b> |
| <b>6.1. Activating floating licenses .....</b>                      | <b>52</b> |
| 6.1.1. Installing the EB Server License Administrator tool .....    | 53        |
| 6.1.2. Activating a floating license online .....                   | 54        |
| 6.1.3. Activating a floating license offline .....                  | 55        |
| <b>6.2. Returning a floating license .....</b>                      | <b>57</b> |
| 6.2.1. Returning a floating license online .....                    | 57        |
| 6.2.2. Returning a floating license offline .....                   | 57        |
| <b>6.3. Upgrading a floating license .....</b>                      | <b>59</b> |
| 6.3.1. Upgrading floating license online .....                      | 60        |
| 6.3.2. Upgrading a floating license offline .....                   | 60        |
| <b>6.4. Removing an expired floating licenses .....</b>             | <b>61</b> |


|  |           |
|--|-----------|
| <b>6.5. Repairing a floating license .....</b>                     | <b>61</b> |
| <b>6.6. Using floating licenses on a client machine .....</b>      | <b>62</b> |
| 6.6.1. Configuring a license server in client application .....    | 62        |
| 6.6.2. Manual setup .....  | 63        |
| <b>7. Dongled licenses .....</b>                                   | <b>64</b> |
| 7.1. Prerequisites when using dongled licenses .....               | 64        |
| 7.2. Downloading license files from the Order History page .....   | 64        |
| 7.3. Retrieving dongle serial number and customer ID .....         | 66        |
| <b>8. Hardware licenses .....</b>                                  | <b>67</b> |
| 8.1. Downloading license files from the Search Licenses menu ..... | 67        |
| 8.2. Finding the EB hardware serial number .....                   | 69        |
| <b>9. Partner licenses for EB tresos Studio .....</b>              | <b>70</b> |
| 9.1. Overview .....  | 70        |
| 9.2. Background information .....                                  | 70        |
| 9.2.1. Restrictions for partner licenses .....                     | 70        |
| 9.2.2. Restrictions for partner customers .....                    | 70        |
| 9.3. Using partner licenses .....                                  | 70        |
| 9.3.1. Using a partner license as a partner .....                  | 70        |
| 9.3.2. Using a partner license as a partner customer .....         | 71        |
| 9.4. Retrieving the provider-ID .....                              | 72        |
| 9.5. Use of the signature tool .....                               | 73        |
| 9.6. Software redistribution .....                                 | 73        |
| <b>10. Legacy licenses .....</b>                                   | <b>74</b> |
| 10.1. Overview .....   | 74        |
| 10.2. Background information .....                                 | 74        |
| 10.2.1. Legacy dongled licenses .....                              | 74        |
| 10.2.2. Legacy floating licenses .....                             | 74        |
| 10.3. Accessing your legacy licenses .....                         | 74        |
| 10.3.1. Accessing legacy floating licenses .....                   | 74        |
| 10.3.2. Accessing legacy dongled licenses .....                    | 77        |
| <b>11. License server configuration .....</b>                      | <b>78</b> |
| 11.1. Overview .....   | 78        |
| 11.2. Transferring floating licenses from Imgrd to Imadmin .....   | 78        |
| 11.3. Login to the license server .....                            | 79        |
| 11.4. Importing a license file .....                               | 80        |

|   |           |
|---|-----------|
| <b>11.5. Verifying the license file import .....</b>                          | <b>81</b> |
| <b>11.6. Configuring the EB vendor daemon .....</b>                           | <b>82</b> |
| <b>11.7. Verifying the EB vendor daemon .....</b>                             | <b>84</b> |
| <b>11.8. Verifying your licenses .....</b>                                    | <b>85</b> |
| <b>11.9. Testing the license server with Imgrd command line utility .....</b> | <b>86</b> |



# Modification history

| Version | Description  |
|---------|--|
| 1.5.0   | <ul style="list-style-type: none"> <li>• Upgrade FlexNetPublisher V11.17.2 to V11.19.1.</li> <li>• Upgrade from Visual Studio 2017 to Visual Studio 2022</li> </ul>  |
| 1.4.3   | <ul style="list-style-type: none"> <li>• Upgrade FlexNetPublisher to V11.17.2.</li> <li>• Linux Client Administrator: <ul style="list-style-type: none"> <li>• Local trusted storage install</li> <li>• Activation tool</li> <li>• Command line utilities</li> </ul> </li> <li>• Documentation enhancements.</li> </ul>  |
| 1.4.2   | <ul style="list-style-type: none"> <li>• Fix for vendor daemon crash. <ul style="list-style-type: none"> <li>• Flexera identified an issue in FNP 11.16 which causes the EB vendor daemon to crash. A workaround has been integrated to the EB licensing toolkit.</li> </ul> </li> </ul>   |
| 1.4.1   | <ul style="list-style-type: none"> <li>• <code>lmflex.exe</code> command line utility provides license source information: <ul style="list-style-type: none"> <li>• from client trusted storage</li> <li>• from unserved license file</li> <li>• from server trusted storage including server name</li> <li>• from served license file including server name</li> </ul> </li> <li>• Added license repair documentation.</li> <li>• Documentation enhancements.</li> </ul>  |
| 1.4.0   | <ul style="list-style-type: none"> <li>• Upgrade FlexNetPublisher V11.14.1.1 to V11.16.5.1.</li> <li>• Upgrade from Visual Studio 2015 (vc140) to Visual Studio 2017 (vc141).</li> </ul>   |
| 1.3.0   | <ul style="list-style-type: none"> <li>• Simplified Dongle License File handling.</li> <li>• 64 bit License Activation Utilities.</li> <li>• Upgrade from Visual Studio 2010 (vc100) to Visual Studio 2015 (vc140)</li> <li>• Introduced FlexNet license-repair function</li> <li>• Deep link to related order in Elektrobit Customer Portal license notification email.</li> <li>• Delete expired licenses without return to FlexNet Operations Cloud via context menu.</li> <li>• Deleted Information about the 32 Bit Vendor Daemon.</li> <li>• Deleted chapter 11.2 and 11.2.1.</li> <li>• Renamed chapter 11.3.</li> <li>• Added chapter 11.9 "Testing the license server with <code>lmgrd</code> command line utility".</li> </ul> |

| Version | Description  |
|---------|--|
|         | <ul style="list-style-type: none"> <li>First version with Linux-Client support.</li> </ul> <div> <div>NOTE</div> <div>  </div> </div> <div> <b>32 bit License Activation Utility discontinued!</b><br/> The latest version with 32 bit support is release 1.2.4! </div>   |
| 1.2.4   | <ul style="list-style-type: none"> <li>Upgrade FlexNetPublisher V11.13.1.3 to V11.14.1.1.</li> <li>Removed confusing ESD related menu options from the customer portal.</li> <li>Added EB Command links to the customer portal.</li> <li>Added license return/upgrade sections.</li> <li>Added Maintenance license model description.</li> <li>Added Order-Notification email description.</li> <li>Added license file description.</li> </ul> |
| 1.2.2   | <ul style="list-style-type: none"> <li>Added legacy license chapter.</li> <li>Updated license server chapter.</li> </ul>   |
| 1.2.0   | <ul style="list-style-type: none"> <li>Display unique machine-ID in user interface.</li> <li>Upgrade FlexNetPublisher V11.12.0.0 to V11.13.1.4.</li> <li>Upgrade from Visual Studio 2008 SP1 (vc9) to Visual Studio 2010 (vc10)</li> </ul>   |
| 1.1.0   | <ul style="list-style-type: none"> <li>Service release to resolve floating license server restart and reread license issue.</li> <li></li> </ul>   |
| 1.0.0   | <ul style="list-style-type: none"> <li>Initial version based on FlexNet Publisher V11.12.0.0</li> </ul>  |



# 1. Typography and style conventions

## NOTE



### Meta information about the editorial guidelines

The following examples contain meta information about this document and are not instructions on how to write.

The signal word *WARNING* indicates information that is vital for the success of the configuration.

## WARNING



### Source and kind of problem

What can happen to the software?

What are the consequences of the problem?

How does the user avoid the problem?

The signal word *NOTE* indicates important information on a subject.

## NOTE



### Important information

Gives important information on a subject

The signal word *TIP* provides helpful hints, tips and shortcuts.

## TIP



### Helpful hints

Gives helpful hints

Throughout the documentation you find words and phrases that are displayed in **bold**, *italic*, or monospaced font.

To find out what these conventions mean, see the following table.

All default text is written in Arial Regular font.

| Font                      | Description                                | Example  |
|---------------------------|--|--|
| Arial italics             | to emphasize new or important terms        | The <i>basic building blocks</i> of a configuration are module configurations.                   |
| Arial boldface            | for GUI elements and keyboard keys         | 1. In the <b>Project</b> drop-down list box, select Project_A.<br>2. Press the <b>Enter</b> key. |
| Monospaced font (Courier) | for user input, code, and file directories | The module calls the <code>BswM_Dcm_RequestSessionMode()</code> function.                        |

| Font               | Description  | Example                                   |
|--------------------|--|---|
|                    |  | For the project name, enter Project_Test. |
| Square brackets [] | to denote optional parameters; for command syntax with optional parameters                                   | insertBefore [<opt>]                      |
| Curly brackets {}  | to denote mandatory parameters; for command syntax with mandatory parameters                                 | insertBefore {<file>}                     |
| Three dots ...     | to indicate further parameters; for command syntax with multiple parameters                                  | insertBefore [<opt>...]                   |
| A vertical bar     | to indicate all available parameters; for command syntax in which you select one of the available parameters | allowInvalidMarkup {on off}               |

## 2. Overview

This document describes the steps which are required to activate a license with a FlexNet Operations On Cloud (FNOC) activation code as well as the configuration steps required to use a file-based license in combination with a dongle.

### 2.1. Target groups

The Product licensing user guide provides information for users who want to use a product license of Elektrobit Automotive GmbH. The target group includes both first time users and experienced users of EB products.

The [chapter 11, License server configuration](#) is aimed at network administrators and server administrators. It provides information on how to install a floating network license server.

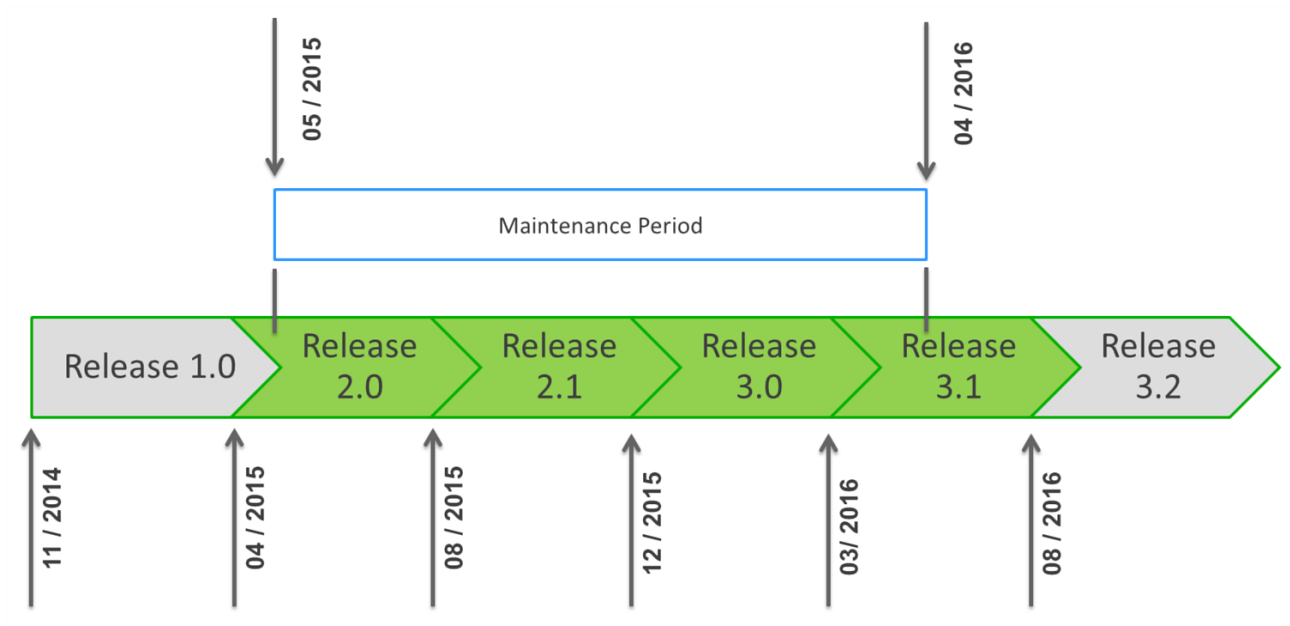
### 2.2. Maintenance license model

Most EB software products are sold according a maintenance based license model. All licenses except leased-, concept- and evaluation-licenses are perpetual. The maintenance period controls the access to newer product releases. During a valid maintenance period, any new release of a software can be used with the same license. Software versions which are released beyond the maintenance period can't be used. To use a release which was created after the maintenance end date, a software maintenance renewal has to be purchased.

In [figure 2.1, Maintenance Period](#), the following restrictions are shown:

- Release 2.0 up to Release 3.1 can be used with the license that was purchased in 05/2015 which includes on year maintenance (up to 04/2016).
- Release 1.0 can't be used because a newer version was already available at the purchase date. If access to earlier versions is required, EB sales back-office can assist.
- Release 3.2 can't be used because the maintenance period has ended before Release 3.2 was available.

Figure 2.1. Maintenance Period



## 2.3. License bundles

Depending on the product you have ordered, you receive one of the following licensing bundles:

### 2.3.1. Single user or evaluation license

- Login credentials to the EB licensing portal via email notification
- Single user license activation code via email notification and via EB licensing portal
- EB Client License Administrator tool via EB Command delivery

For information about the setup of single user or evaluation licenses, see [chapter 5, Single user or evaluation licenses](#).

### 2.3.2. Floating license

- Login credentials to the EB licensing portal via email notification
- Floating license activation code via email notification and via EB licensing portal
- EB Server License Administrator tool including the EB vendor daemon via EB Command delivery
- FlexNet Publisher Imadmin license server installer via EB Command delivery
- `EB_SERVER_CONFIG.lic` license file to configure the EB vendor daemon via EB Command delivery

For information about the setup of floating licenses, see [chapter 6, Floating licenses](#)

### 2.3.3. Dongled license

- Login credentials to the EB licensing portal via email notification
- Hardware dongle
- Dongle driver via EB Command delivery
- License file from the EB Licensing Portal
- Dongle serial number (see [section 7.3, Retrieving dongle serial number and customer ID](#)).
- Only for legacy licenses:
  - License file via EB licensing portal (for more information, see [chapter 10, Legacy licenses](#))

For information about the setup of dongled licenses, see [chapter 7, Dongled licenses](#).

### 2.3.4. Hardware license

- Login credentials to the EB licensing portal via email notification
- License file via EB licensing portal.
- The board ID and serial number can be found on your EB device (for more information, see [section 8.2, Finding the EB hardware serial number](#)).

For information about the setup of hardware licenses, see [chapter 8, Hardware licenses](#).

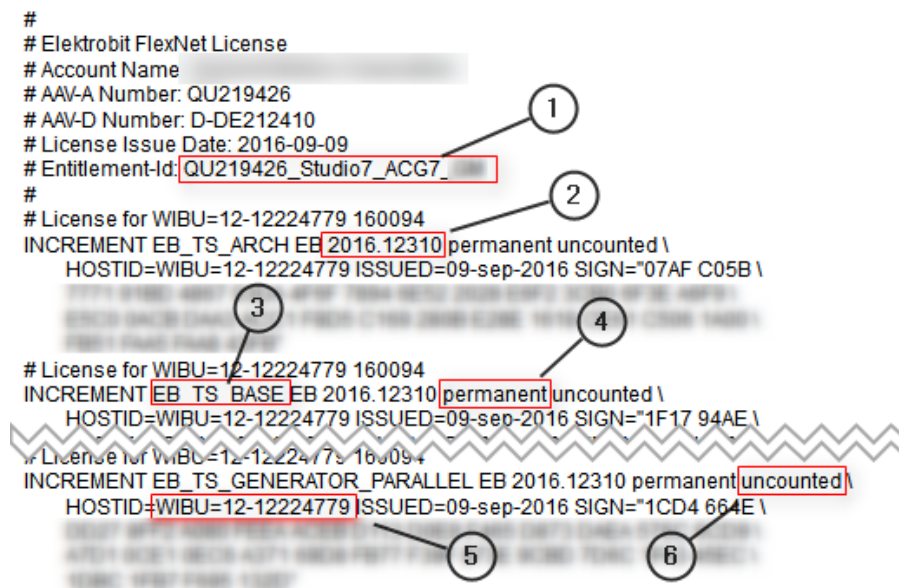
## 2.4. License file details

Below find more information about the internal structure of EB license files.

## 2.4.1. Reading the FlexNet Publisher license file

FlexNet Publisher license files are used for dongle-based licenses and for COMPOSITE based licenses starting with ACG7.3.

Figure 2.2. FlexNet Publisher license file



```
#
# Elektrobit FlexNet License
# Account Name
# AAV-A Number: QU219426
# AAV-D Number: D-DE212410
# License Issue Date: 2016-09-09
# Entitlement-Id: QU219426_Studio7_ACG7_
#
# License for WIBU=12-12224779 160094
INCREMENT EB_TS_ARCH EB 2016.12310 permanent uncounted \
HOSTID=WIBU=12-12224779 ISSUED=09-sep-2016 SIGN="07AF C05B \
# License for WIBU=12-12224779 160094
INCREMENT EB_TS_BASE EB 2016.12310 permanent uncounted \
HOSTID=WIBU=12-12224779 ISSUED=09-sep-2016 SIGN="1F17 94AE \
# License for WIBU=12-12224779 160094
INCREMENT EB_TS_GENERATOR_PARALLEL EB 2016.12310 permanent uncounted \
HOSTID=WIBU=12-12224779 ISSUED=09-sep-2016 SIGN="1CD4 664E \
```

The diagram shows a FlexNet Publisher license file with six numbered annotations:

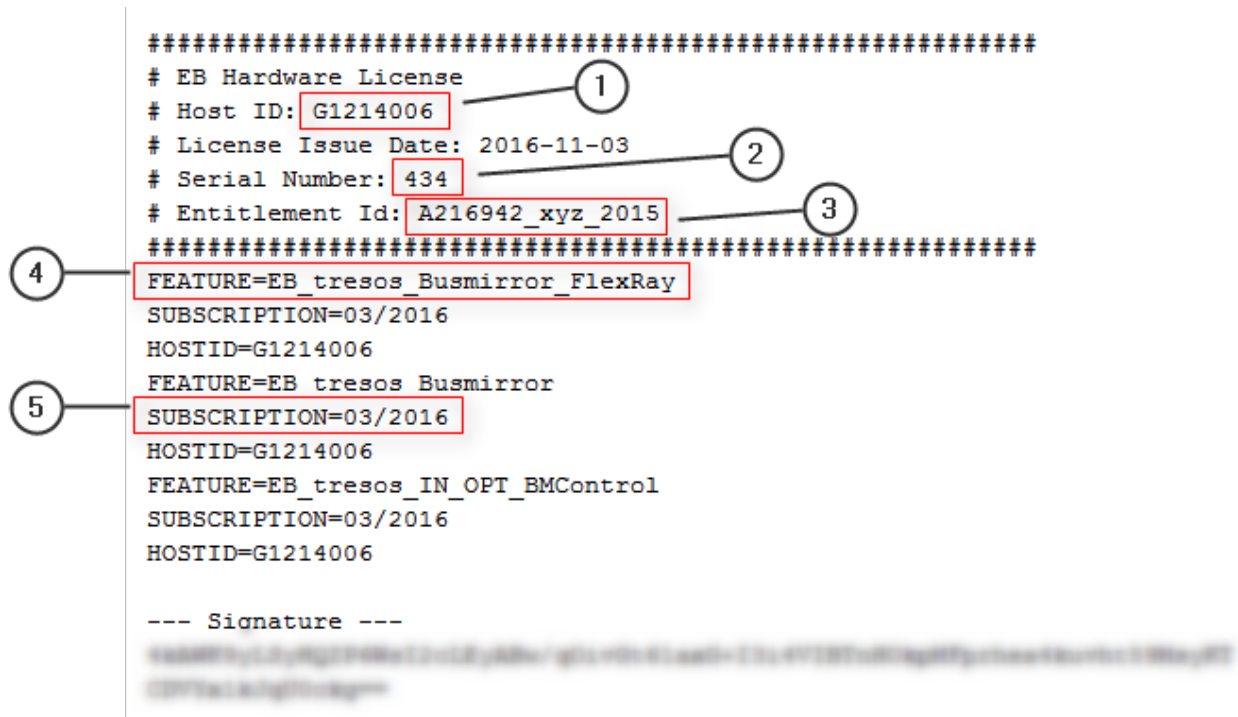
- Annotation 1 points to the Entitlement-Id: QU219426\_Studio7\_ACG7\_.
- Annotation 2 points to the License Issue Date: 2016-09-09.
- Annotation 3 points to the License for WIBU=12-12224779 160094.
- Annotation 4 points to the permanent uncounted \ part of the license.
- Annotation 5 points to the HOSTID=WIBU=12-12224779 part of the license.
- Annotation 6 points to the uncounted part of the license.

| No. | Description   |
|-----|---|
| 1   | With the Entitlement-ID the corresponding order can be found in the EB licensing portal order history.  |
| 2   | The date-based version feature of FlexNet Publisher is used to specify the maintenance end date. In this example, the maintenance ends on Dec. 31, 2016.  |
| 3   | A license file can contain numerous license features.   |
| 4   | A license can be permanent (i.e. perpetual) or if it is an evaluation-, concept- or leased license, a license end date can be specified.  |
| 5   | The serial number of the WibuKey dongle is used as HOSTID. In case of using a native Flex-era dongle, the HOSTID is specified as HOSTID=FLEXID=sn where sn specifies the Flexera dongle serial number.                  |
| 6   | A node-locked license is uncounted. Multiple instances of an application can be used on the machine where the corresponding dongle is connected. The license checkouts are not counted (contrary to floating licenses). |

## 2.4.2. Reading the Hardware license file

Hardware license files are used for EB hardware devices like an EB 6100 or an EB 5200.

Figure 2.3. Hardware license file



```
#####
# EB Hardware License
# Host ID: G1214006
# License Issue Date: 2016-11-03
# Serial Number: 434
# Entitlement Id: A216942_xyz_2015
#####
FEATURE=EB_tresos_Busmirror_FlexRay
SUBSCRIPTION=03/2016
HOSTID=G1214006
FEATURE=EB_tresos_Busmirror
SUBSCRIPTION=03/2016
HOSTID=G1214006
FEATURE=EB_tresos_IN_OPT_BMControl
SUBSCRIPTION=03/2016
HOSTID=G1214006

--- Signature ---
-----
```

Annotations in the diagram:

- 1: Points to Host ID: G1214006
- 2: Points to License Issue Date: 2016-11-03
- 3: Points to Entitlement Id: A216942\_xyz\_2015
- 4: Points to the first feature block (FEATURE=EB\_tresos\_Busmirror\_FlexRay, SUBSCRIPTION=03/2016, HOSTID=G1214006)
- 5: Points to the second feature block (FEATURE=EB\_tresos\_Busmirror, SUBSCRIPTION=03/2016, HOSTID=G1214006)

| No. | Description   |
|-----|---|
| 1   | Device board ID (HostID), see also <a href="#">section 8.2, Finding the EB hardware serial number</a> .   |
| 2   | Device serial number, see also <a href="#">section 8.2, Finding the EB hardware serial number</a> .   |
| 3   | Entitlement name, find your entitlement in the order history in the EB licensing portal.  |
| 4   | Multiple license features are included in one license file.   |
| 5   | Each license feature has a subscription end date related to the maintenance period, see also <a href="#">section 2.2, Maintenance license model</a> . |



### 2.4.3. Reading the legacy floating license file set

For ACG4, ACG6 and up to ACG7.2 a combination of an EB proprietary license file for the client application and a FlexNet Publisher license file for the license server is used.

Figure 2.4. License file for floating server

```
SERVER this_host COMPOSITE=E0A9610860F5
VENDOR EB
USE_SERVER
FEATURE tresosECU_220117 EB 1.0 permanent 1 SIGN=""
FEATURE tresosECU_220117_GEN EB 1.0 permanent uncounted HOSTID=ANY \
```

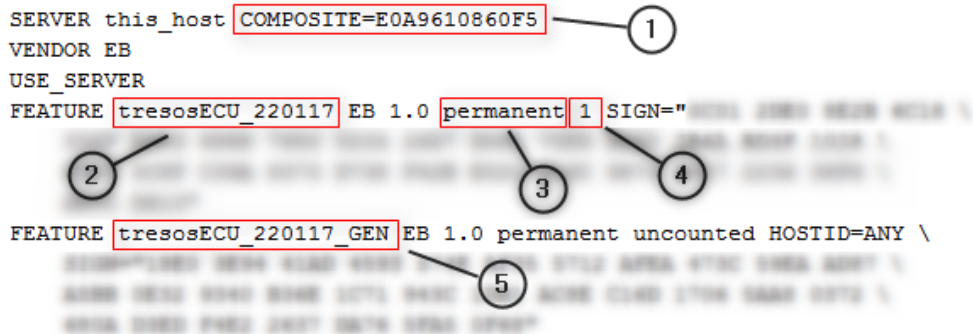


Diagram annotations for Figure 2.4:

- 1: Points to `COMPOSITE=E0A9610860F5`
- 2: Points to `tresosECU_220117`
- 3: Points to `permanent`
- 4: Points to `1`
- 5: Points to `tresosECU_220117_GEN`

Figure 2.5. License file for client machines

```
==> TRESOS LICENSE ==>
AAA^AAA^B04C^90cmVzb3NFQ1UA^AAA^Nb1UsqN79Fui9m^G5wJrXk7rsir1nFC/No/15~YndU
---
UC=F220117
MAINTENANCE_END=31Jul2017
SERIAL_NO=1584538391
FLEXNET FEATURE=tresosECU_220117:1.0
FEATURES=tresos_GENERATOR_TEMPL,COM_GENRXSIG_OPT,tresos_IMPORTER_ASR_ECU,tresos_STUD
CUSTOMER=yourCompanyName
LICENSE_ID=tresosECU
PLUGIN=
CREATION_DATE=04Oct2016, 16:51
---

<== TRESOS LICENSE <==
```

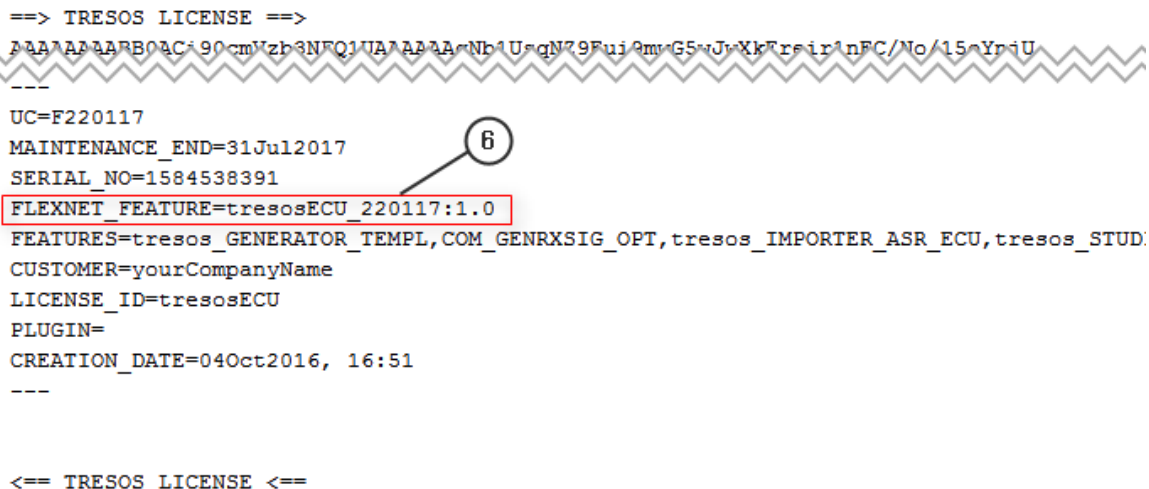


Diagram annotation for Figure 2.5:

- 6: Points to `FLEXNET FEATURE=tresosECU_220117:1.0`

| No. | Description  |
|-----|--|
| 1   | The COMPOSITE-ID of the server is calculated by the <code>Imcomposite.exe</code> command line utility. It must be provided to EB before a license can be issued. |
| 2   | The license feature protecting the client license file.  |
| 3   | Floating licenses are permanent (i.e. perpetual).  |
| 4   | Number of available floating licenses.   |
| 5   | License feature for unattended builds.   |
| 6   | License feature which is requested by clients from the floating server.  |

## 2.4.4. Reading the legacy dongle license file

For ACG4, ACG6 and up to ACG7.2 an EB proprietary license file syntax is used for node locked licenses.

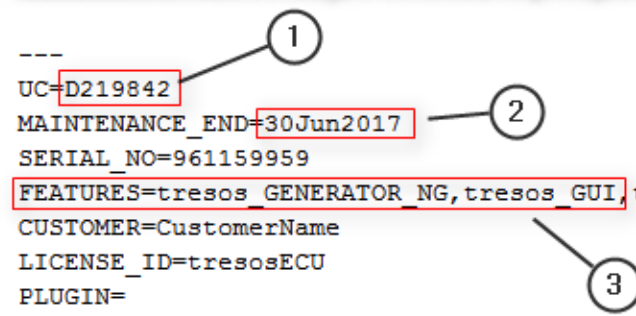
Figure 2.6. Legacy node-locked (dongle) license file

```

==> TRESOS LICENSE ==>
AAAAAAAA/kACi90cmVzb3NFQ1UAAAAAAAAQNawpf1AvKv7ZYDuHaabB180LWBp1TuntFb6kAC6Q8+
WtkKkUY+CmA0NZr1zrrc/ey1zOQ3ZrXvabr3xsvkXWxLrkurhli41eVFBm9WUB3cwWQeh28RvjPs
u6ZBVBm7ihGG74FKHy3LzSwNrMfesTOhs8+2+GfFBFyLIwrkzYzSRoWsvFYD+MX4LkNxsYxP5cIA
-----
UC=D219842
MAINTENANCE_END=30Jun2017
SERIAL_NO=961159959
FEATURES=tresos_GENERATOR_NG,tresos_GUI,tresos_GENERATOR_TEMPL,tresos_IMPORTER_TDB
CUSTOMER=CustomerName
LICENSE_ID=tresosECU
PLUGIN=
CREATION_DATE=19Oct2016, 16:50
-----

<== TRESOS LICENSE <==

```



| No. | Description   |
|-----|---|
| 1   | The user code (UC) contains the dongle number. In this case the dongle number is 219842 (without the leading D). The number is equal to the EB delivery number. |
| 2   | Maintenance end date, see also <a href="#">section 2.2, Maintenance license model</a> .   |
| 3   | List of license features (EB tresos Studio + ACG modules).  |

## 2.5. License activation

### 2.5.1. General information on license activation

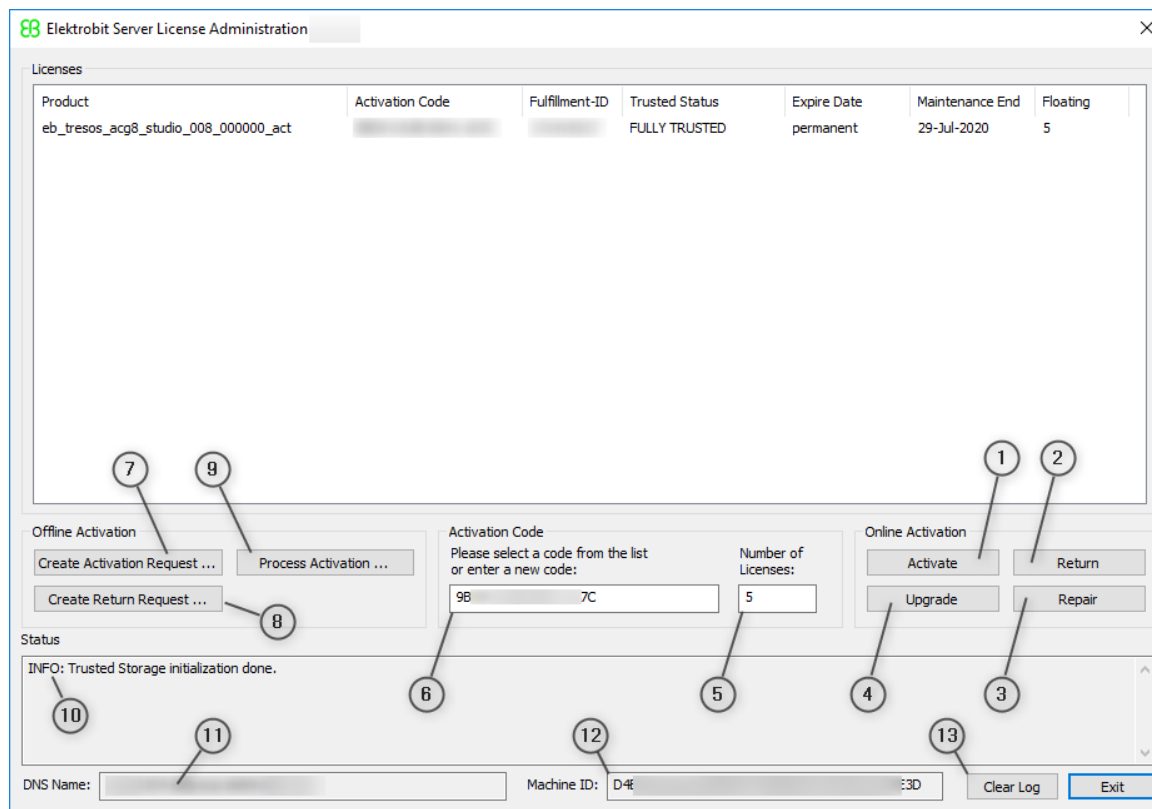
- The license administrator tools communicate with the FlexNet Operations On Cloud license server and transfer a license from the FlexNet Operations On Cloud license server to your server or client machine.
- Activation-based licenses are managed by the FlexNet Operations On Cloud service.
- A license is stored in a secured file on the customer's machine. This so called *trusted storage* is protected against several manipulation attempts such as rollback of the machine's clock, backup and restore on different machines, and usage in virtual environments.

Two different license activation tools are provided:

- EB Server License Administrator (for floating licenses)
- EB Client License Administrator (for single-user and evaluation licenses)

### 2.5.2. License Administrator user interface

Figure 2.7. License Administrator user interface



| No. | GUI item | Type   | Description                          |
|-----|----------|--------|--------------------------------------|
| 1   | Activate | button | Click for online license activation. |

| No. | GUI item                             | Type     | Description  |
|-----|--------------------------------------|----------|--|
| 2   | <b>Return</b>                        | button   | Click for online license return.   |
| 3   | <b>Repair</b>                        | button   | Click for online license repair.   |
| 4   | <b>Upgrade</b>                       | button   | Click for online license upgrade.  |
| 5   | <b>Number of Licenses</b>            | text box | Enter the number of floating licenses you want to activate. For single-user licenses the number is always 1.                           |
| 6   | <b>Activation Code</b>               | text box | Enter the activation code to activate a license or choose a license from the list of already activated licenses to return the license. |
| 7   | <b>Create Activation Request ...</b> | button   | Click to create an offline activation request file.  |
| 8   | <b>Create Return Request ...</b>     | button   | Click to create an offline return request file.  |
| 9   | <b>Process Activation ...</b>        | button   | Click to process offline activation or return response files.  |
| 10  | <b>Status</b>                        | section  | The status of the activation process is displayed.   |
| 11  | <b>DNS Name</b>                      | section  | The machine DNS name is displayed.   |
| 12  | <b>Machine ID</b>                    | section  | The unique machine identifier is displayed.  |
| 13  | <b>Clear Log</b>                     | button   | Click to clear all messages shown in the status section.   |

Choose the appropriate activation tool depending on your license model in EB Command. For more information on EB Command, see [chapter 4, The licensing project on EB Command](#). For more information on the activation tools, see [chapter 5, Single user or evaluation licenses](#) and [chapter 6, Floating licenses](#).

## 3. Using the EB licensing portal

### 3.1. Overview

Licenses of Elektrobit Automotive GmbH (EB) products are managed by an online software delivery service that helps you manage and stay current with your EB licenses.

The EB licensing portal provides you with the following features:

- Profile administration, see [section 3.2, Profile administration](#)
- Account administration, see [section 3.3, Account administration](#)
- License administration, see [section 3.4, License administration](#)
- Email notifications when your account or your order is updated

#### 3.1.1. Login to the EB licensing portal

Your login credentials are provided by email. You receive a login-ID which consists of your email address and a token to set your password.

To log in, use your email address as login-ID and your customized password on the EB licensing portal:

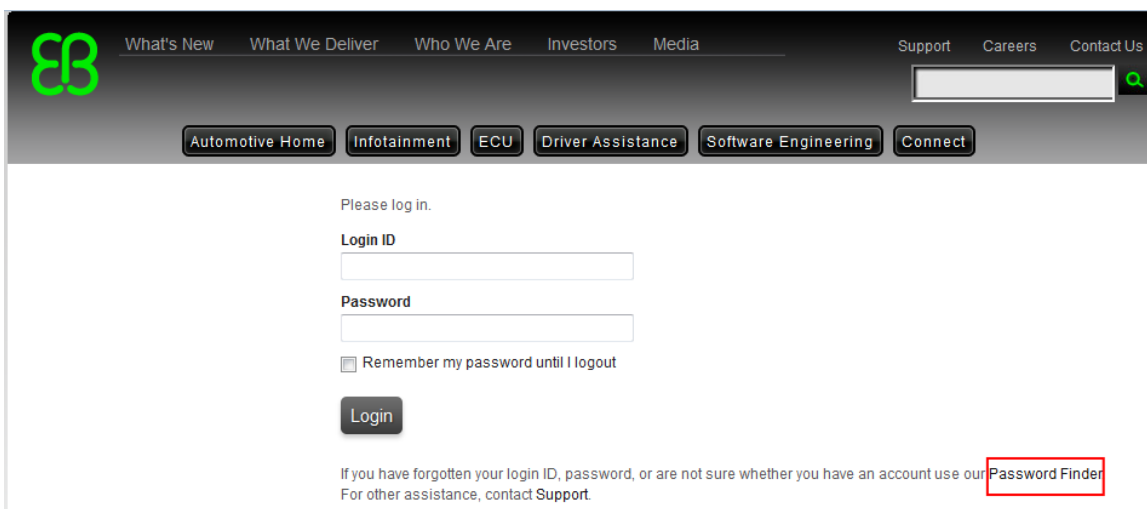
- <https://elektrobit.flexnetoperations.com>

#### 3.1.2. Password lost

If you forgot your password, use the **Password Finder** to request a new password:

- <https://elektrobit.flexnetoperations.com/control/elkb/password>

Figure 3.1. EB licensing portal login



Please log in.

Login ID

Password

☐ Remember my password until I logout

Login

If you have forgotten your login ID, password, or are not sure whether you have an account use our [Password Finder](#)

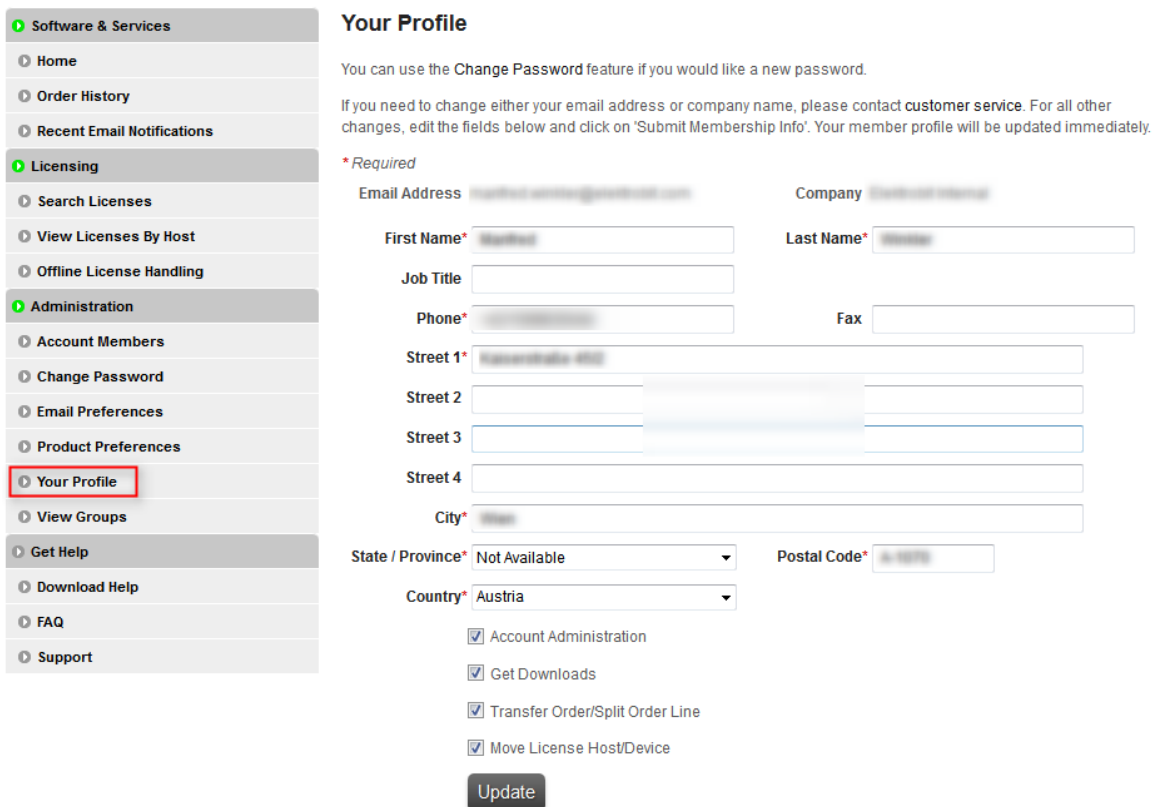
For other assistance, contact [Support](#).

## 3.2. Profile administration

On the **Your Profile** page you can perform the following actions:

- Configure your account member address.
- Configure your permissions if you have the permission *Admin Privileges*. For more information on permissions, see [section 3.3.1.4, Assigning permissions to account members](#).

Figure 3.2. **Your Profile** page



**Your Profile**

You can use the **Change Password** feature if you would like a new password.

If you need to change either your email address or company name, please contact **customer service**. For all other changes, edit the fields below and click on 'Submit Membership Info'. Your member profile will be updated immediately.

**\* Required**

Email Address  Company

First Name\*  Last Name\*

Job Title

Phone\*  Fax

Street 1\*

Street 2

Street 3

Street 4

City\*

State / Province\*  Postal Code\*

Country\*

☒ Account Administration

☒ Get Downloads

☒ Transfer Order/Split Order Line

☒ Move License Host/Device

**Update**

## 3.3. Account administration

Your customer account is provided by EB. At least one account administration member is set up in your account per default. Additional account members can be added by EB or any other account member with account administrative privileges.

In larger companies, licenses are normally associated to specific departments or subsidiaries. Licenses for partner customers may also be associated to a specific customer account. Use *allocation accounts* for these use cases.

## 3.3.1. Managing allocation accounts

### STEP



#### Managing allocation accounts

Prerequisite:

- The permission **Account Administration** must be activated. For more information, see [section 3.2, Profile administration](#).

#### Step 1

Log in to the EB licensing portal, see [section 3.1.1, Login to the EB licensing portal](#).

#### Step 2

Create an allocation account, see [section 3.3.1.1, Creating an allocation account](#).

##### Step 2.1

Add additional allocation accounts if needed, see [section 3.3.1.2, Adding an allocation account](#).

#### Step 3

Add members to an allocation account, see [section 3.3.1.3, Adding allocation account members](#).

#### Step 4

Assign permissions to allocation account members, see [section 3.3.1.4, Assigning permissions to account members](#).

#### Step 5

Switch to an allocation account, see [section 3.3.1.5, Switching to an allocation account](#).

#### Step 6

Move licenses to an allocation account.

##### Step 6.1

Transfer licenses to an allocation account, see [section 3.4.3, Transferring licenses to an allocation account](#).

##### Step 6.2

Split licenses between allocation accounts, see [section 3.4.4, Splitting licenses between allocation accounts](#).

#### Step 7

Verify the successful transfer of an order, see [section 3.3.1.6, Verifying a transferred order](#).



### 3.3.1.1. Creating an allocation account

#### STEP



#### Creating an allocation account

Prerequisite:

- The permission **Account Administration** must be activated. For more information, see [section 3.2, Profile administration](#).

#### NOTE



#### Delete an allocation account

If you want to delete an allocation account, contact the [Product Support and Customer Care Team](#).

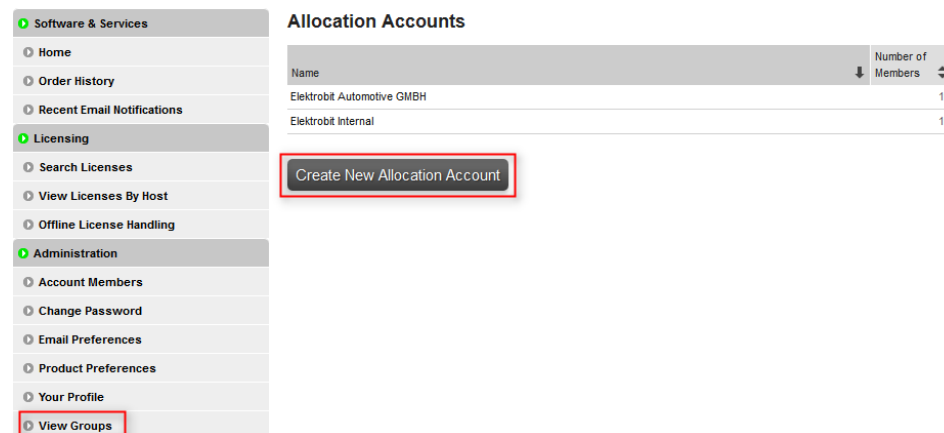
#### Step 1

In the EB licensing portal, browse to **View Groups**.

#### Step 2

Click **Create New Allocation Account**.

Figure 3.3. The **View Groups** page



Example: In the screenshot below, the main account is *ElektrobitTesting* and two allocation accounts *EB CIS-I* and *EB CIS-T* are already available.

### 3.3.1.2. Adding an allocation account

#### STEP



#### Adding an allocation account

##### Step 1

Enter an allocation account in the **Name** text box, e.g. *EB CIS-T*.

##### Step 2

You can also provide a note for the new account in the **Note** text box.

### Step 3

Check the **Download** and **Transfer/Split Orders** check boxes. The **Admin** check box is checked by default. Make sure that the **Move HostDevice** check box is unchecked.

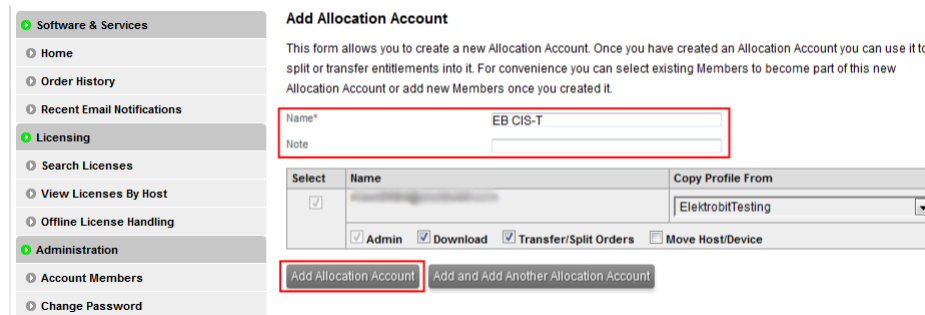
### Step 4

As an account administrator, you are included automatically as a member in the newly created allocation account.

### Step 5

Click **Add Allocation Account** to create the new allocation account.

Figure 3.4. The **Add Allocation Account** page



## 3.3.1.3. Adding allocation account members

### STEP



### Adding allocation account members

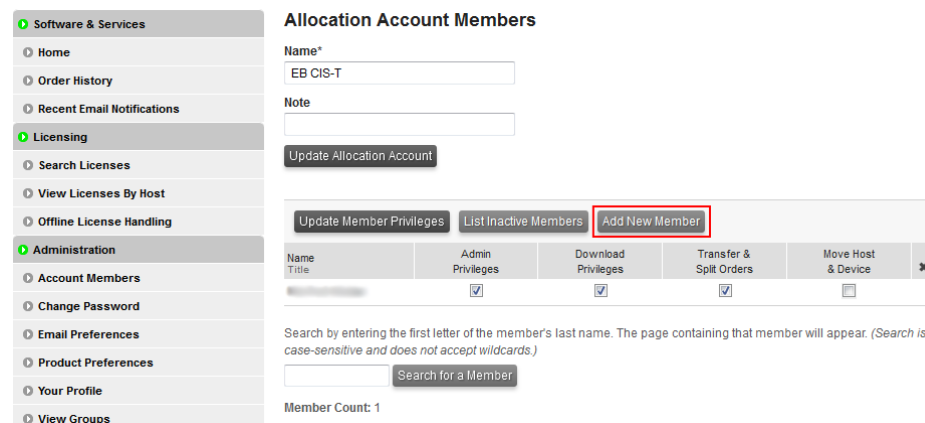
#### Step 1

Check that you are already included in the new allocation account as administrator.

#### Step 2

Click **Add New Member** to add account members and set the intended permissions.

Figure 3.5. Add an allocation account



**NOTE**

**Transfer of licenses**

Each account member that has the permission *Transfer & Split Orders* is able to transfer a license back to the main account.

### 3.3.1.4. Assigning permissions to account members

You can assign the following permissions to members of your allocation account and to yourself:

- Admin Privileges: enables to change account settings, see [section 3.3, Account administration](#).
- Download Privileges: enables to download license files, see [section 3.4, License administration](#).
- Transfer & Split Orders: enables to transfer licenses and to split multiple licenses, see [section 3.4, License administration](#).
- Move Host & Device: this permission is not supported.

**STEP**

**Assigning permissions to account members**
**Step 1**

In the EB licensing portal, browse to **Account Members** under **Administration**.

**Step 2**

Select or unselect a check box in the permission column to assign or unassign a permissions from an account member.

Figure 3.6. Account member administration

| Software & Services        |          | Account Members   |                                     |                                     |                                     |   |
|----------------------------|----------|---|-------------------------------------|-------------------------------------|-------------------------------------|---|
| Home                       |          | Name Elektrobit Internal  |                                     |                                     |                                     |   |
| Order History              |          |   |                                     |                                     |                                     |   |
| Recent Email Notifications |          |   |                                     |                                     |                                     |   |
| Licensing                  |          | <a href="#">Update Member Privileges</a> <a href="#">List Inactive Members</a> <a href="#">Add New Member</a> |                                     |                                     |                                     |   |
| Search Licenses            |          |   |                                     |                                     |                                     |   |
| View Licenses By Host      |          |   |                                     |                                     |                                     |   |
| Offline License Handling   |          |   |                                     |                                     |                                     |   |
| Administration             |          |   |                                     |                                     |                                     |   |
| Account Members            |          |   |                                     |                                     |                                     |   |
| Name                       | Title    | Admin Privileges  | Download Privileges                 | Transfer & Split Orders             | Move Host & Device                  |   |
| Christian Heide            | Internal | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | ✖ |
| Stefan Heide               | Internal | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | ✖ |
| Max Heide                  | Internal | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | ✖ |
| Andreas Heide              | Internal | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | ✖ |

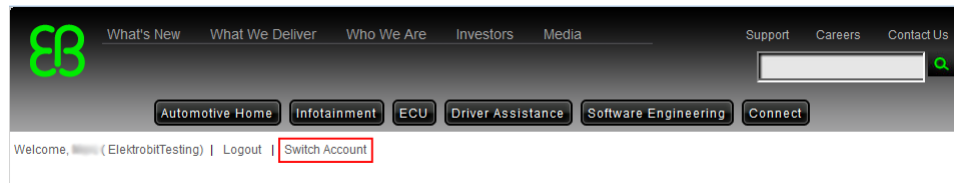
### 3.3.1.5. Switching to an allocation account

If you are a member of multiple accounts, you can switch the account, e.g. to verify that an order was transferred successfully.

**STEP**

**Switching to an allocation account**
**Step 1**

Click the **Switch Account** button at the top of the EB licensing portal.

Figure 3.7. The **Switch Account** button


## Step 2

Select the allocation account you want to verify, afterwards you are logged in to the allocation account

Figure 3.8. Select an allocation account

Your login ID shows that you are a member on multiple accounts. Please select the account you wish to use for the current session or login as another user.

| Company Name          | Name       | Notes                           |
|-----------------------|------------|---------------------------------|
| EB CIS-I              | [Redacted] | <a href="#">(Click to edit)</a> |
| Elektrobit [Redacted] | [Redacted] | <a href="#">(Click to edit)</a> |
| ElektrobitTesting     | [Redacted] | <a href="#">(Click to edit)</a> |

(If you think these accounts should be merged please contact Support.)

## 3.3.1.6. Verifying a transferred order

### STEP



### Verifying a transferred order

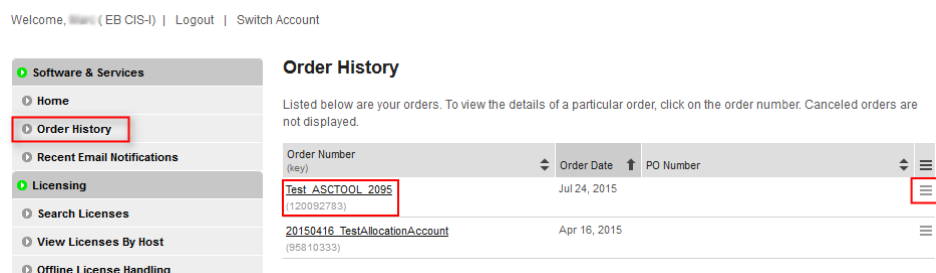
#### Step 1

Switch to the account with the transferred order. For more information, see [section 3.3.1.5, Switching to an allocation account](#).

#### Step 2

Browse to the order history of the selected allocation account.

Figure 3.9. Order history of the allocation account



#### Step 3

The previously transferred order is now visible within the allocation account. Only account members of the allocation account can see this license from now on.

**Step 4**

To see the license, point to the **Actions** button on the right side of the order line and click **License(s)**.

**Step 5**

If you accidentally assigned a license to the wrong allocation account you can transfer the license back to the main account. Make sure to switch to the correct allocation account before you transfer the license back. For more information on switching accounts, see [section 3.3.1.5, Switching to an allocation account](#).

**Step 6**

Follow the same procedure as used to transfer the license to the allocation account, see [section 3.4.3, Transferring licenses to an allocation account](#).

## 3.4. License administration

On the EB licensing portal you can do the following license-related tasks:

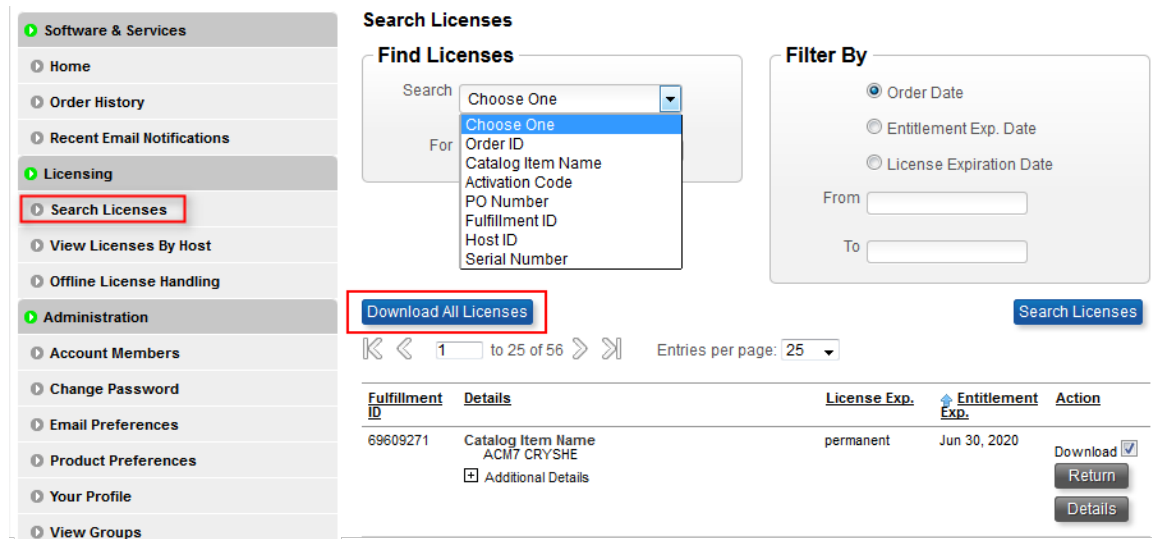
- Search licenses, see [section 3.4.1, Searching licenses](#).
- Access your licenses, see [section 3.4.2, Accessing your licenses](#).
- Transfer licenses to a different allocation account, see [section 3.4.3, Transferring licenses to an allocation account](#).
- Split licenses between allocation accounts, see [section 3.4.4, Splitting licenses between allocation accounts](#).

### 3.4.1. Searching licenses

On the **Search Licenses** page you can perform the following actions:

- Search for your licenses using different search criteria.  
To search for a license, use the **Find Licenses** section and click **Search Licenses**.
- Filter your search results.  
To filter your search results, use the option buttons and text boxes in the **Filter By** section.
- Download all your file-based company licenses in a single ZIP archive.  
To download all file-based company licenses, click **Download All Licenses**.

Figure 3.10. Search Licenses page



**Search Licenses**

**Find Licenses**

Search:  For:

**Filter By**

☒ Order Date  
☐ Entitlement Exp. Date  
☐ License Expiration Date

From:  To:

**Download All Licenses** **Search Licenses**

Entries per page: 25

| Fulfillment ID | Details   | License Exp. | Entitlement Exp. | Action  |
|----------------|---|--------------|------------------|---|
| 69609271       | Catalog Item Name<br>ACM7 CRY SHE<br><a href="#">Additional Details</a> | permanent    | Jun 30, 2020     | Download <input checked="" type="checkbox"/><br>Return<br>Details |

#### NOTE



#### Search function only for associated licenses

Only licenses that are already associated are shown in the search result. Associated licenses are already activated on a specific machine or a license file was generated for a specific dongle. Browse to the affected order to generate your license file or to retrieve your activation codes.

#### NOTE



#### Restricted download of multiple licenses

You can download a subset of licenses with the **Download** button at the bottom of the page. However, only licenses which are shown according to your search criterion and have their check box activated are included in the ZIP archive.

Example: If your search criterion has provided 50 results but on the result screen you have configured to show only 25 results on a page, only these 25 results are included in the ZIP archive.

## 3.4.2. Accessing your licenses

### STEP



#### Accessing your related licenses

For information on how to access legacy licenses, see [section 10.3, Accessing your legacy licenses](#).

#### Step 1

Browse to the **Order History** page.

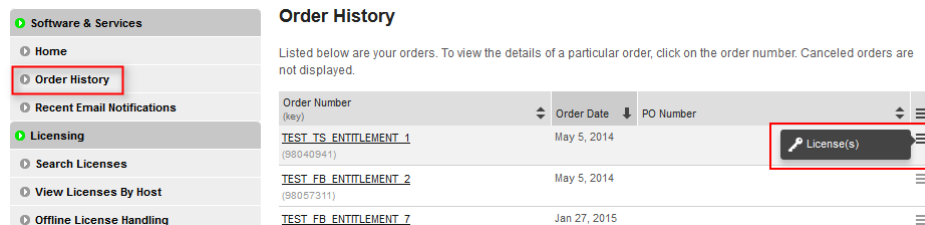
#### Step 2

Point to the **Actions** button on the right side of the related order line.

### Step 3

In the context menu, click **License(s)**.

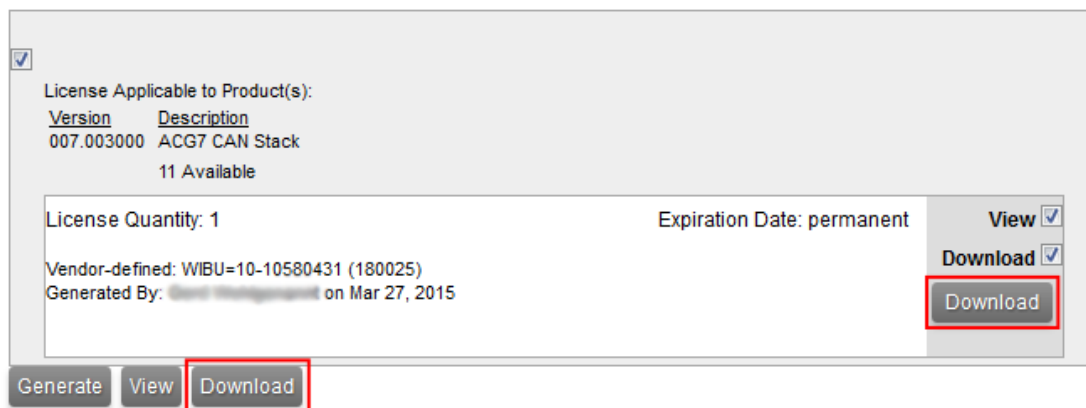
Figure 3.11. Order History page



Within the order-related license overview page you can do the following:

- Download individual license files for each dongled license catalog items.  
To download an individual file, click **Download** to the right of the dongled license.
- Retrieve activation codes for single user or floating license catalog items.  
Activation codes are shown for single user or floating licenses.
- Download all selected licenses as a ZIP archive.  
To download all selected licenses, click the **Download** button on the bottom of the list.

Figure 3.12. Download license on the Order History page





## NOTE



### ZIP archives do not contain activation codes

Activation codes are not included in the ZIP archive since these codes must be entered into the appropriate license administrator tool. You can find your activation codes also in the automatically created order notification email. You find an email history in **Recent Email Notifications**.

## 3.4.3. Transferring licenses to an allocation account

You can perform a license transfer only on a whole order. If you want to split a license pool, see [section 3.4.4, Splitting licenses between allocation accounts](#).

## WARNING



### You can only transfer licenses from EB tresos AutoCore Generic 7.3 and higher

If you try to transfer a legacy license, an error occurs. For more information on legacy licenses, see [chapter 10, Legacy licenses](#).

## STEP



### Transferring licenses to an allocation account

Prerequisite:

- To perform this task, you need the permission *Transfer & Split Orders*.

#### Step 1

Browse to the **Order History** page.

#### Step 2

Point to the **Actions** button on the right side of the affected order line.

#### Step 3

In the context menu, click **Transfer** to transfer a license to an allocation account.

Figure 3.13. Transfer License

Software & Services

Home

Order History

Recent Email Notifications

Licensing

Search Licenses

View Licenses By Host

Offline License Handling

## Order History

Listed below are your orders. To view the details of a particular order, click on the order number. Canceled orders are not displayed.

| Order Number<br>(key)                                    | Order Date   | PO Number |
|--|--------------|-----------|
| <a href="#">TEST_20161214</a><br>(198458887)             | Dec 14, 2016 |           |
| <a href="#">XXXXXXXXXX_demo_1_license</a><br>(194506477) | Nov 9, 2016  | DEMO      |
| <a href="#">QU00000_demo</a><br>(1945129387)             | Nov 8, 2016  |           |

License(s)

Transfer

#### Step 4

Select the target allocation account in the **To Account:** drop-down list box.

Figure 3.14. Select target allocation account

### Transfer Order

Entitlement Number (Key): 20150416\_TestAllocationAccount ( 95810333 )  
Entitlement Date: 04/16/2015  
Purchase Order Number:  
From Account: ElektrobitTesting

To Account:

### Step 5

Click **Submit** to save your selection.

### Step 6

You can verify the transfer in the **Order Detail** view of the **Order History** under **Allocations**.

Figure 3.15. Transfer verification

### Order Detail

Click on the "Download" link next to the product to download it (only available when applicable).

Order Number: 20150416\_TestAllocationAccount  
Order Date: Apr 16, 2015  
PO Number:

#### Licenses for this Order

| Line         | Product Description        | Manufacturer Part Number | Qty |
|--------------|----------------------------|--------------------------|-----|
| 1            | EB tresos Studio for ACG 7 | C3911_Evaluation         | 4   |
| Allocations: |                            |                          |     |
|              |                            | ElektrobitTesting        | 1   |
|              |                            | EB CIS-I                 | 3   |

## 3.4.4. Splitting licenses between allocation accounts

### WARNING



You can only split licenses from EB tresos AutoCore Generic 7.3 and higher

If you try to split legacy licenses, an error occurs. For more information on legacy licenses, see [chapter 10, Legacy licenses](#).

### STEP



### Splitting licenses between allocation accounts

Prerequisite:

- To perform this task, you need the permission *Transfer & Split Orders*.

### Step 1

Browse to the **Order History** page.

## Step 2

Click the appropriate order to show a list of included line items.

Figure 3.16. Select order

Software & Services

Home

Product List

Product Search

Order History

Search Line Items

Order History

Listed below are your orders. To view the details of a particular order, click on the order number. Canceled orders are not displayed.

| Order Number<br>(key)               | Order Date  | PO Number |
|-------------------------------------|-------------|-----------|
| TEST TS ENTITLEMENT 1<br>(98040941) | May 5, 2014 |           |

## Step 3

In the **Order Detail** view, point to the **Actions** button on the right side of a line item.

## Step 4

In the context menu, click **Split** to split the license.

Figure 3.17. The **Order detail** view

| <b>Order Detail</b><br><p>Click on the "Download" link next to the product to download it (only available when applicable).</p> <p>Order Number: Test_ASCTOOL_2095<br/> Order Date: Jul 24, 2015<br/> PO Number:</p> <p>Licenses for this Order</p> <table> <tr> <th>Line</th><th>Product Description</th><th>Manufacturer Part Number</th><th>Qty</th></tr> <tr> <td>+</td><td>1 EB tresos Studio for ACG7 - change from EB tresos Studio for ACG6</td><td>CT_3912_Floating</td><td></td></tr> <tr> <td>+</td><td>2 EB tresos Studio for ACG7 - change from EB tresos Studio for ACG6</td><td>C3912_Evaluation</td><td></td></tr> <tr> <td>+</td><td>3 EB tresos Studio for ACG7 - change from EB tresos Studio for ACG6</td><td>C3912_Dongled</td><td></td></tr> </table> |   |                          |  | Line | Product Description | Manufacturer Part Number | Qty | + | 1 EB tresos Studio for ACG7 - change from EB tresos Studio for ACG6 | CT_3912_Floating |  | + | 2 EB tresos Studio for ACG7 - change from EB tresos Studio for ACG6 | C3912_Evaluation |  | + | 3 EB tresos Studio for ACG7 - change from EB tresos Studio for ACG6 | C3912_Dongled |  |
|---|---|--------------------------|--|------|---------------------|--------------------------|-----|---|---|------------------|--|---|---|------------------|--|---|---|---------------|--|
| Line  | Product Description   | Manufacturer Part Number | Qty  |      |                     |                          |     |   |   |                  |  |   |   |                  |  |   |   |               |  |
| +   | 1 EB tresos Studio for ACG7 - change from EB tresos Studio for ACG6 | CT_3912_Floating         |  |      |                     |                          |     |   |   |                  |  |   |   |                  |  |   |   |               |  |
| +   | 2 EB tresos Studio for ACG7 - change from EB tresos Studio for ACG6 | C3912_Evaluation         |  |      |                     |                          |     |   |   |                  |  |   |   |                  |  |   |   |               |  |
| +   | 3 EB tresos Studio for ACG7 - change from EB tresos Studio for ACG6 | C3912_Dongled            |  |      |                     |                          |     |   |   |                  |  |   |   |                  |  |   |   |               |  |
|   |   |                          | <div> License(s)<br/> Download<br/> Split </div> |      |                     |                          |     |   |   |                  |  |   |   |                  |  |   |   |               |  |

## Step 5

Select the target allocation account in the **To Account:** drop-down list box.

## Step 6

Select the number of licenses to transfer in the **Quantity to Allocate:** drop-down list box.

## Step 7

Click **Submit** to complete the split and transfer operation.

Figure 3.18. Split licenses

**Split Line Item**

Entitlement Number (Key): Test\_ASCTOOL\_2095 ( 120092783 )  
Entitlement Date: 07/24/2015  
Purchase Order Number: 1  
Line Number: ElektrobitTesting  
From Account:

To Account:

Quantity to Allocate:  (5 available)

## NOTE



## Split licenses only on line-item level

You can only split licenses on line-item level since each line item may have a different number of available licenses.

## Step 8

You can verify the license split in the **Order Detail** view of the **Order History** under **Allocations**.

Figure 3.19. License split overview

## Order Detail

Click on the "Download" link next to the product to download it (only available when applicable).

Order Number: Test\_ASCTOOL\_2095

Order Date: Jul 24, 2015

PO Number:

## Licenses for this Order

| Line         | Product Description   | Manufacturer Part Number | Qty |
|--------------|---|--------------------------|-----|
| 1            | EB tresos Studio for ACG7 - change from EB tresos Studio for ACG6 | CT_3912_Floating         | 5   |
| Allocations: |   | ElektrobitTesting        | 3   |
|              |   | EB CIS-I                 | 2   |

## 4. The licensing project on EB Command





















Several components are available on the EB Command customer portal:

- <https://command.elektrobit.com>

### List of components:

- Microsoft Windows EB Client License Administrator setup file
- Linux EB Client License Administrator setup archive
- Microsoft Windows EB Server License Administrator setup file
- WibuKey WkRuntime dongle driver setup file (FLEXID-10)
- Sentinel HASP4 dongle driver setup file (FLEXID-9)
- FlexNet Publisher License Administration Guide (fnp\_LicAdmin.pdf)
- EB Product licensing User Guide (LicensingUserGuide.pdf)
- FlexNet License Server setup file for 64-bit (lmadmin-x64)

Figure 4.1. The EB Command licensing project

| Current project: <b>EB Licensing Tools</b>   |   |          |                        |           |                          |  |
|--|---|----------|------------------------|-----------|--------------------------|--|
| Current distribution: <b>EB Licensing Tools</b>  |   |          |                        |           |                          |  |
| Current version: <b>1.4.3-Release-2021-03-18</b>   |   |          |                        |           |                          |  |
| State:   |   |          |                        |           |                          |  |
| <b>Download released files:</b>  |   |          |                        |           |                          |  |
| Filename   | MD5   | Uploader | Upload time            | File size | Actions                  |                   |
|  EB_Client_License_Administrator_1_4_3_Linux.tar.gz   |  |          | 2021-03-19 05:51:38 pm | 8.4MiB    | <input type="checkbox"/> |  |
|  EB_Client_License_Administrator_1_4_3_Setup.exe  |  |          | 2021-03-19 02:46:32 pm | 29.3MiB   | <input type="checkbox"/> |  |
|  EB_Server_License_Administrator_1_4_3_Setup.exe  |  |          | 2021-03-19 05:52:17 pm | 29.3MiB   | <input type="checkbox"/> |  |
|  FLEXID10_Windows_v6_51_x64.zip   |  |          | 2021-03-20 06:40:03 pm | 29.0MiB   | <input type="checkbox"/> |  |
|  FLEXID9_Windows_v7_92_x64.zip  |  |          | 2021-03-20 06:38:39 pm | 16.6MiB   | <input type="checkbox"/> |  |
|  fnp_LicAdmin.pdf   |  |          | 2021-03-19 05:54:28 pm | 2.9MiB    | <input type="checkbox"/> |  |
|  LicensingUserGuide.pdf   |  |          | 2021-03-19 05:54:43 pm | 3.0MiB    | <input type="checkbox"/> |  |
|  lmadmin-x64_n6-11_17_2_0.exe   |  |          | 2021-03-19 05:56:19 pm | 33.2MiB   | <input type="checkbox"/> |  |
|  |   |          |                        |           |                          |  Download Selection |

## 5. Single user or evaluation licenses

### 5.1. Activating single user or evaluation licenses

Single user and evaluation licenses are provided via FlexNet Operations On Cloud activation codes. You can find the activation codes either in the **order notification email** or in **Order History** of the EB licensing portal.

#### NOTE



#### Using remote desktop or terminal server sessions is not possible

The Single-User or Evaluation license is not allowed to be used on remote desktop or terminal server sessions. This usage is technically prohibited. Choose the floating license for remote desktop or terminal desktop sessions instead.

#### STEP



#### Activating single user or evaluation licenses

Prerequisite:

- The EB Client License Administrator tool is downloaded from EB Command and installed. For more information on EB Command, see [chapter 4, The licensing project on EB Command](#). For information on how to install the EB Client License Administrator tool, see [section 5.1.1, Installing the EB Client License Administrator tool](#).

#### Step 1

Obtain your activation code from the EB licensing customer portal or from the order notification email. For more information, see [chapter 2, Overview](#).

#### Step 2

Activate your license with the EB Client License Administrator Tool.

For online activation, see [section 5.1.2, Activating a single user or evaluation license online](#).

For offline activation, see [section 5.1.3, Activating a single user or evaluation license offline](#).

#### Step 3

Start the application.

## 5.1.1. Installing the EB Client License Administrator tool

### STEP

### Installing the EB Client License Administrator tool



### 5.1.1.1. Installing for Microsoft Windows

Prerequisite:

- Download the `EB_Client_License_Administrator_Setup.exe` tool from EB Command:
  - <https://command.elektrobit.com>

#### Step 1

Run `EB_Client_License_Administrator_Setup.exe`.

#### Step 2

Select the destination folder.

#### Step 3

Optionally create a **Start** menu entry.

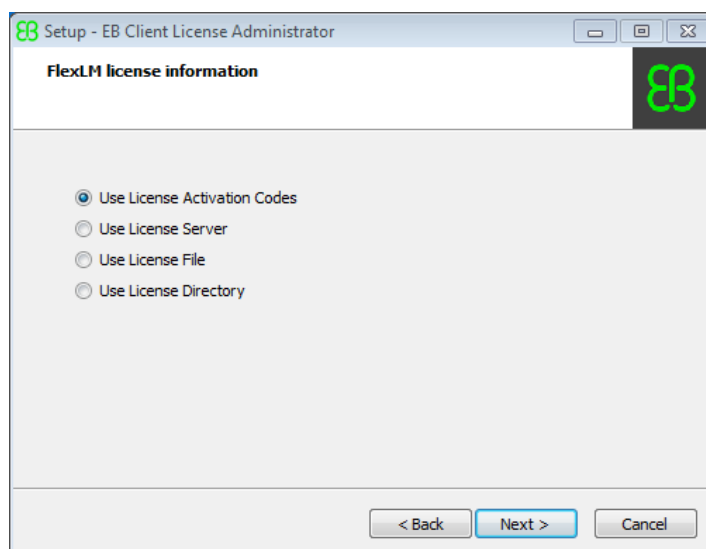
#### Step 4

Optionally create a desktop shortcut.

#### Step 5

Select the default option **Use License Activation Codes**. For more information, see [chapter 5, Single user or evaluation licenses](#).

Figure 5.1. Use activation codes





**Step 6**

Click **Install** to begin the installation.

### 5.1.1.2. Installing for Linux

Prerequisite:

- Download the `EB_Client_License_Administrator_Linux.tar.gz` tool from EB Command:
  - <https://command.elektrobit.com>
- Install Linux Standard Base (LSB).

**Step 1**

Open a command line terminal.

**Step 2**

Unarchive the downloaded file `EB_Client_License_Administrator_Linux.tar.gz`.

Command: # `tar zxvf EB_Client_License_Administrator_Linux.tar.gz`

**Step 3**

Change directory to `eb_license`.

Command: # `cd eb_license`

**Step 4**

Run `install_eb_license_tools.sh` with root rights.

Command: # `sudo bash install_eb_license_tools.sh`

## 5.1.2. Activating a single user or evaluation license online

**STEP****Activating a single user or evaluation license online**

### 5.1.2.1. Activating on Microsoft Windows

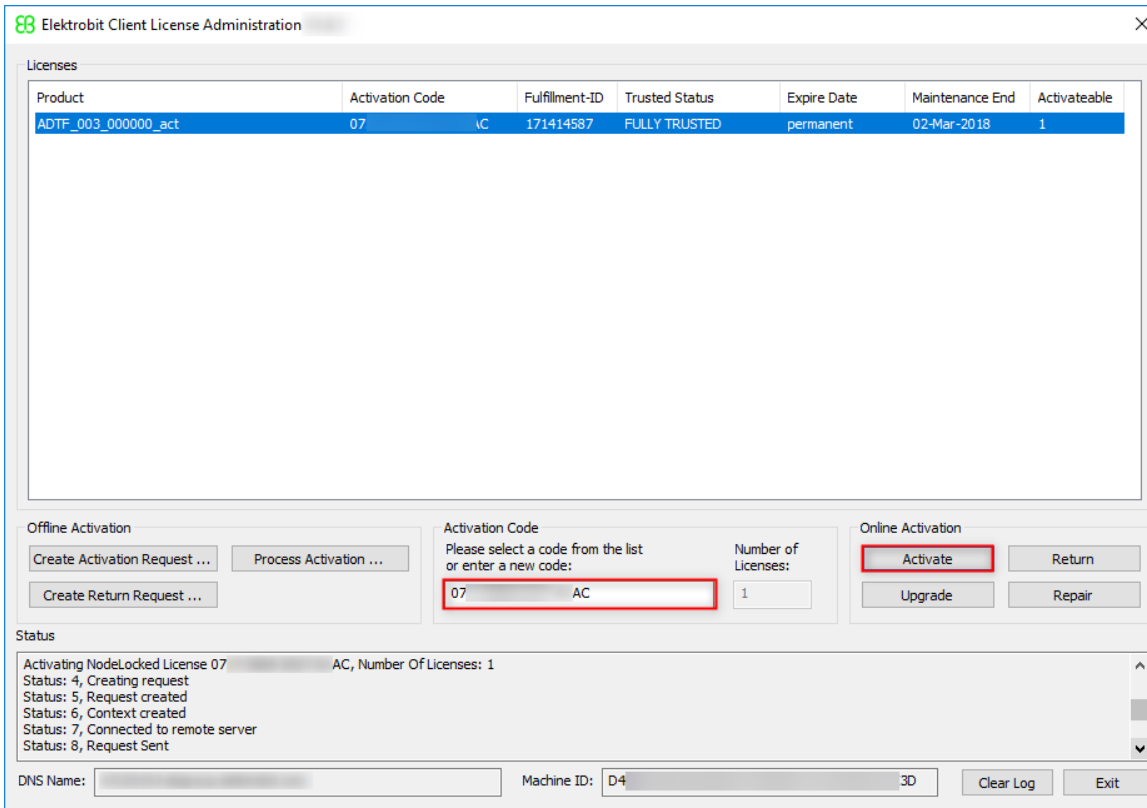
**Step 1**

Run the EB Client License Administrator tool from the **Start** menu or click the desktop shortcut.

**Step 2**

Enter an activation code in the **Activation Code** text box.

Figure 5.2. Online client license activation



The screenshot shows the 'Elektrobit Client License Administration' window. At the top, there is a table of licenses. Below the table, there are sections for 'Offline Activation' and 'Online Activation'. The 'Online Activation' section has an 'Activate' button highlighted with a red box. Below this, there is a 'Status' section showing the progress of the activation process. At the bottom, there are fields for 'DNS Name' and 'Machine ID', and buttons for 'Clear Log' and 'Exit'.

| Product             | Activation Code | Fulfillment-ID | Trusted Status | Expire Date   | Maintenance End | Activateable  |
|---------------------|-----------------|----------------|----------------|---------------|-----------------|---------------|
| ADTF_003_000000_act | 07              | \C             | 171414587      | FULLY TRUSTED | permanent       | 02-Mar-2018 1 |

**Offline Activation**

Create Activation Request ... Process Activation ...

Create Return Request ...

**Activation Code**

Please select a code from the list or enter a new code:

07 AC

**Number of Licenses:**

1

**Online Activation**

Activate Return

Upgrade Repair

**Status**

Activating NodeLocked License 07 AC, Number Of Licenses: 1

Status: 4, Creating request

Status: 5, Request created

Status: 6, Context created

Status: 7, Connected to remote server

Status: 8, Request Sent

DNS Name: Machine ID: D4 3D

Clear Log Exit

### Step 3

Click **Activate**.

### Step 4

Verify the license activation in the **Status** section.

### Step 5

Your license is ready to use.

## 5.1.2.2. Activating on Linux

### Step 1

Open a command line terminal.

### Step 2

Change directory to location where the EB\_Client\_License\_Administrator\_Linux has installed. Usually `/usr/local/share/FNP/service64/[Version]/`.

Command: # `cd /usr/local/share/FNP/service64/11.19.1/`

### Step 3

Activate the code using `ebactutil.sh`.

Command: # `./ebactutil.sh -activate "YOUR-CODE-FORA-EBPR"`

#### Step 4

Verify the activation using `ebactutil.sh`.

Command: # `./ebactutil.sh -view`

#### Step 5

Your license is ready to use.

### 5.1.3. Activating a single user or evaluation license offline

#### STEP

#### Activating a single user or evaluation license offline



#### 5.1.3.1. Activating on Microsoft Windows

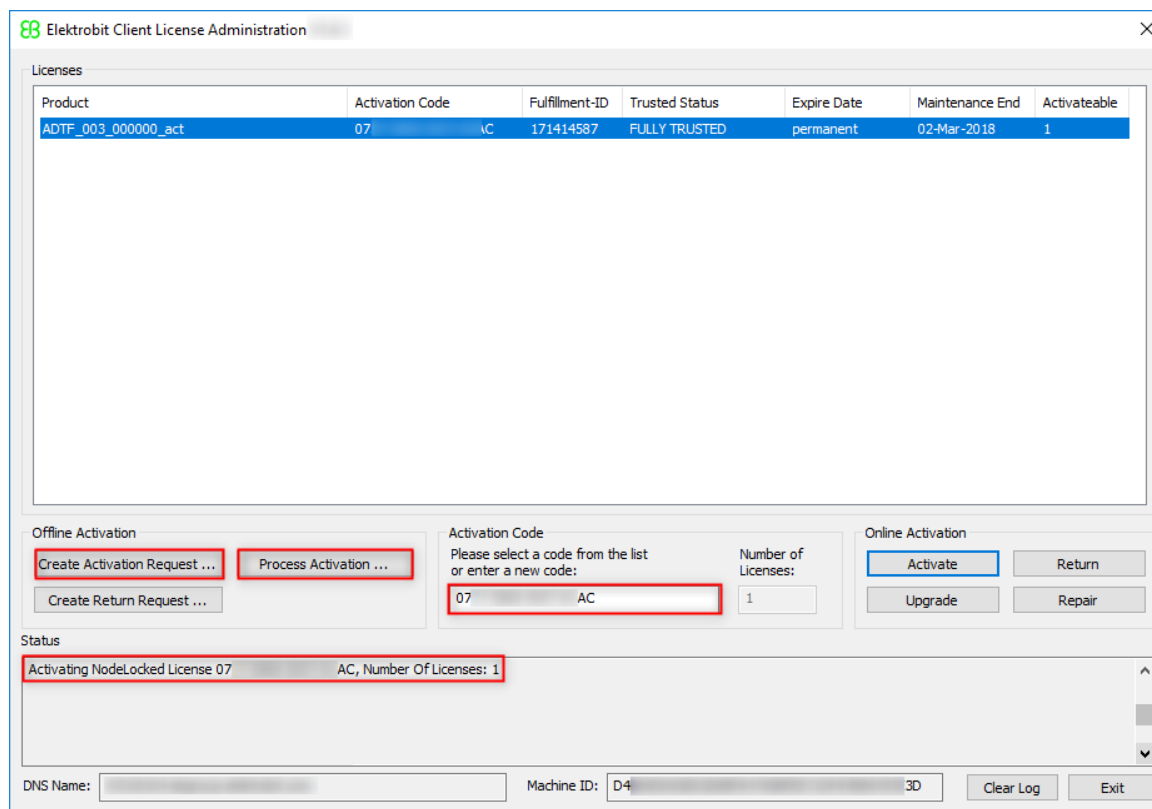
##### Step 1

Run the EB Client License Administrator tool from the **Start** menu or click the desktop shortcut.

##### Step 2

Enter an activation code in the **Activation Code** text box.

Figure 5.3. Offline client license activation



### Step 3

Click **Create Activation Request ...**.

### Step 4

Save the activation request file and move it to a machine with internet access.

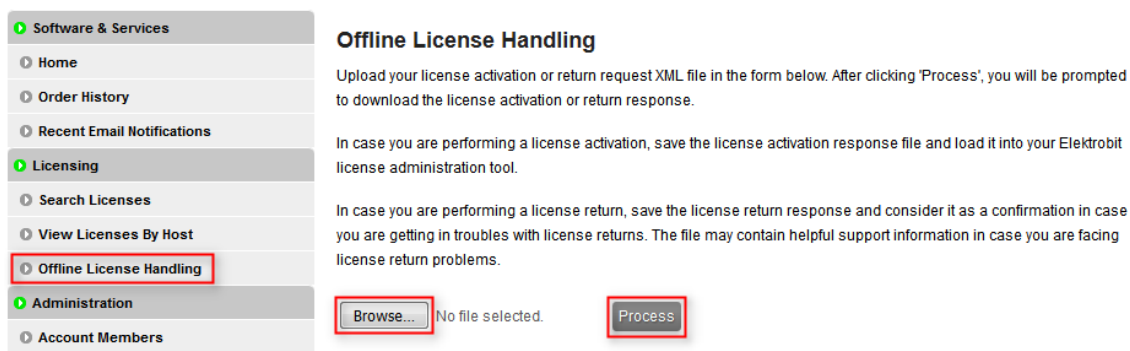
### Step 5

On the machine with internet access, log in to the EB licensing portal.

### Step 6

Browse to **Offline License Handling**.

Figure 5.4. Processing the activation request file



### Step 7

Click **Browse...** to load your previously created activation request file.

### Step 8

Click **Process** to process your offline license activation request and save the activation response file.

### Step 9

Move the activation response file to your client machine where you created the activation request.

### Step 10

On your client machine, click **Process Activation ...** to load and process the activation response file.

### Step 11

Verify the license activation in the **Status** section.

### Step 12

Your license is ready to use.

## 5.1.3.2. Activating on Linux

### Step 1

Open a command line terminal.

## Step 2

Change directory to location where the `EB_Client_License_Administrator_Linux` has installed. Usually `/usr/local/share/FNP/service64/[Version]/`.

Command: `# cd /usr/local/share/FNP/service64/11.19.1/`

## Step 3

Generate the activation request using `ebactutil.sh`.

Command: `# ./ebactutil.sh -activate "YOUR-CODE-FORA-EBPR" -gen ~/activation_request.xml`

## Step 4

Move the request to a machine with internet access.

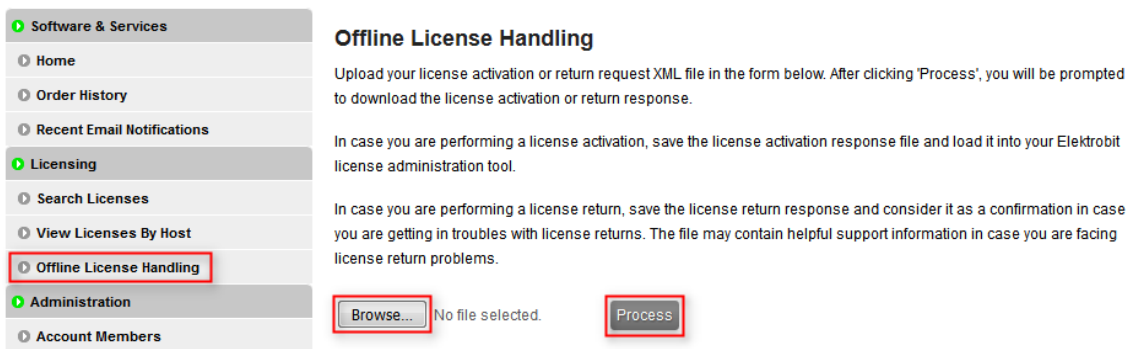
## Step 5

On the machine with internet access, log in to the EB licensing portal.

## Step 6

Browse to **Offline License Handling**.

Figure 5.5. Processing the activation request file



## Step 7

Click **Browse...** to load your previously created activation request file.

## Step 8

Click **Process** to process your offline license activation request and save the activation response file.

## Step 9

Move the activation response file to your client machine where you created the activation request.

## Step 10

Process the activation request using `ebactutil.sh`.

Command: `# ./ebactutil.sh -process ~/activation_request_response.xml`

## Step 11

Verify the activation using `ebactutil.sh`.

Command: # ./ebactutil.sh -view

## Step 12

Your license is ready to use.

## 5.2. Returning a single user or evaluation license

### 5.2.1. Returning a single user or evaluation license online

#### 5.2.1.1. Returning on Microsoft Windows

#### STEP



#### Returning a single user or evaluation license online

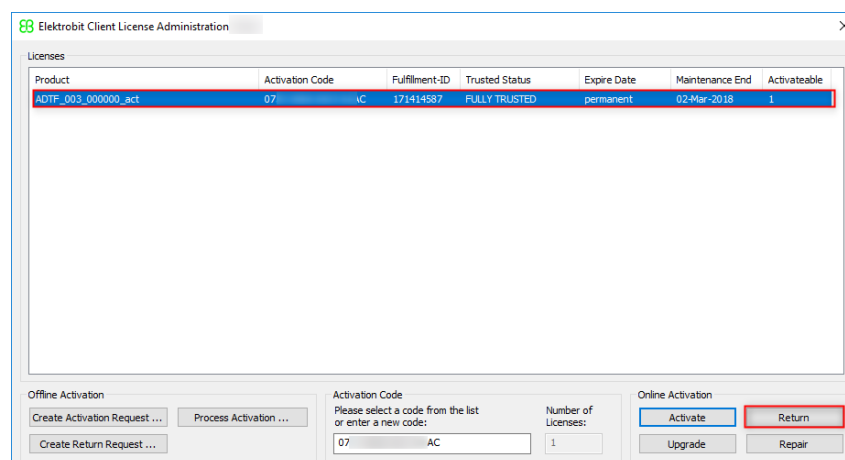
##### Step 1

Run the EB Client License Administrator tool from the **Start** menu or click the desktop shortcut.

##### Step 2

Select the line that shows the license you want to return.

Figure 5.6. Online client license return



##### Step 3

Click **Return**.

##### Step 4

Your license is successfully returned and its seat is available again for new license activation.

#### 5.2.1.2. Returning on Linux

##### Step 1

Open a command line terminal.

## Step 2

Change directory to location where the EB\_Client\_License\_Administrator\_Linux has installed. Usually `/usr/local/share/FNP/service64/[Version]/`.

Command: # `cd /usr/local/share/FNP/service64/11.19.1/`

## Step 3

Return the license using `ebactutil.sh`.

Command: # `./ebactutil.sh -return "YOUR-CODE-FOR-EBPR"`

## Step 4

Verify the license is not stored in local trusted storage anymore using `ebactutil.sh`.

Command: # `./ebactutil.sh -view`

## Step 5

Your license is successfully returned and its seat is available again for new license activation.

## 5.2.2. Returning a single user or evaluation license offline

### 5.2.2.1. Returning on Microsoft Windows

#### STEP



#### Returning a single user or evaluation license offline

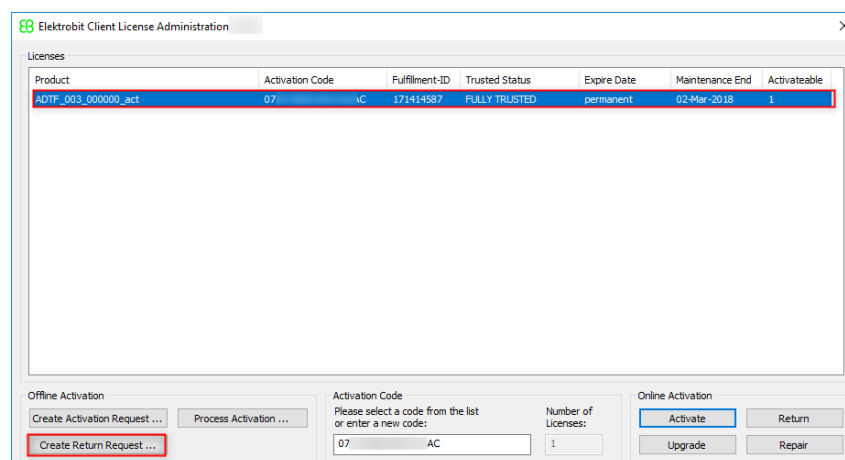
##### Step 1

Run the EB Client License Administrator tool from the **Start** menu or click the desktop shortcut.

##### Step 2

Select the line that shows the license you want to return.

Figure 5.7. Offline client license return



##### Step 3

Click **Create Return Request ...**

#### Step 4

Save the return request file and move it to a machine with internet access.

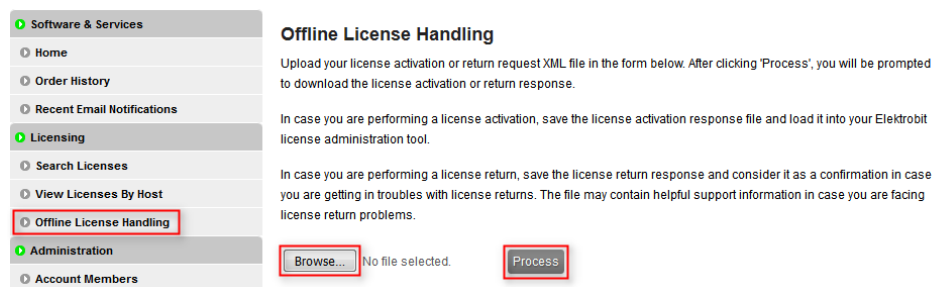
#### Step 5

On the machine with internet access, log in to the EB licensing portal.

#### Step 6

Browse to **Offline License Handling**.

Figure 5.8. Processing the return request file



#### Step 7

Click **Browse...** to load your previously created return request file.

#### Step 8

Click **Process** to process your offline license return request file.

#### Step 9

Save the generated license return response file.

#### NOTE



#### License return response file

The license return response file contains the license return confirmation. It is not needed further on.

#### Step 10

Your license is successfully returned and its seat is available again for new license activation.

### 5.2.2.2. Returning on Linux

#### STEP



#### Returning a single user or evaluation license offline

##### Step 1

Open a command line terminal.



## Step 2

Change directory to location where the `EB_Client_License_Administrator_Linux` has installed. Usually `/usr/local/share/FNP/service64/[Version]/`.

Command: `# cd /usr/local/share/FNP/service64/11.19.1/`

## Step 3

Generate the return request using `ebactutil.sh`.

Command: `# ./ebactutil.sh -return "YOUR-CODE-FORA-EBPR" -gen ~/return_request.xml`

## Step 4

Move the request file to a machine with internet access.

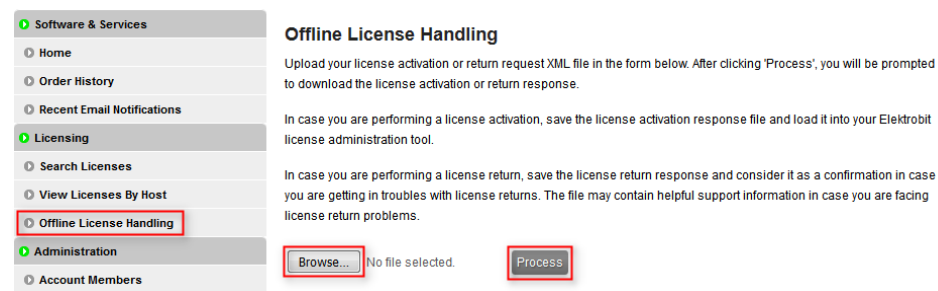
## Step 5

On the machine with internet access, log in to the EB licensing portal.

## Step 6

Browse to **Offline License Handling**.

Figure 5.9. Processing the return request file



## Step 7

Click **Browse...** to load your previously created return request file.

## Step 8

Click **Process** to process your offline license return request file.

## Step 9

Save the generated license return response file.

**NOTE****License return response file**

The license return response file contains the license return confirmation. It is not needed further on.

**Step 10**

Your license is successfully returned and its seat is available again for new license activation.

## 5.3. Upgrading a single user or evaluation license

If you have purchased a subscription renewal of your single user license or your evaluation period was extended, then you can upgrade your license so that the new maintenance end date is applied to your current license.

## 5.3.1. Upgrading a single user or evaluation license online

### 5.3.1.1. Upgrading on Microsoft Windows

#### STEP



#### Upgrading a single user or evaluation license online

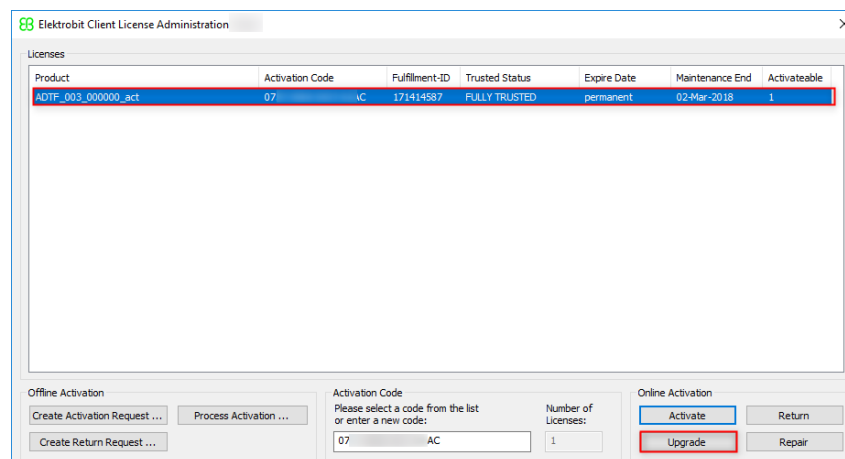
##### Step 1

Run the EB Client License Administrator tool from the **Start** menu or click the desktop shortcut.

##### Step 2

Select the line that shows the license you want to upgrade.

Figure 5.10. Online client license upgrade



##### Step 3

Click **Upgrade**.

##### Step 4

Your license is successfully upgraded.

### 5.3.1.2. Upgrading on Linux

#### STEP



#### Upgrading a single user license online is a two step operation

##### Step 1

Return your license online.

For online return, see [section 5.2.1.2, Returning on Linux](#)

##### Step 2

Activate your license online.

For online activation, see [section 5.1.2.2, Activating on Linux](#)

## 5.3.2. Upgrading a single user or evaluation license offline

### STEP



**Upgrading a single user license offline is a two step operation**

#### Step 1

Return your license offline.

For offline return, see [section 5.2.2, Returning a single user or evaluation license offline](#)

#### Step 2

Activate your license offline.

For offline activation, see [section 5.1.3, Activating a single user or evaluation license offline](#)

## 5.4. Repairing a broken license

A license might get invalid or broken e.g. after hardware defects and repair. A broken license could be recovered in many cases. If the license repair does not succeed, please contact EB customer support.

## 5.4.1. Repair on Microsoft Windows

### STEP



### Repair a single user or evaluation license online on Microsoft Windows

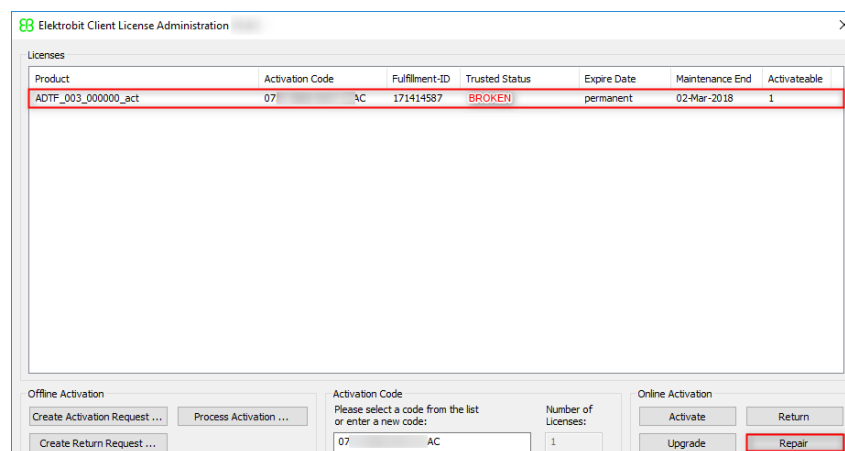
#### Step 1

Run the EB Client License Administrator tool from the **Start** menu or click the desktop shortcut.

#### Step 2

Select the line that shows the broken license you want to repair.

Figure 5.11. Online client license repair



#### Step 3

Click **Repair**.

#### Step 4

Your license might be recovered.

## 5.4.2. Repair local licenses on Linux

### NOTE



### License repair in virtual environments

The license repair in virtual environments is not supported. If the license repair is needed in such environments, please contact EB customer support.

#### Step 1

Open a command line terminal.

#### Step 2

Change directory to location where the EB\_Client\_License\_Administrator\_Linux has installed. Usually `/usr/local/share/FNP/service64/[Version]/`.

Command: # `cd /usr/local/share/FNP/service64/11.19.1/`

### Step 3

Try to repair local licenses using `ebactutil.sh`.

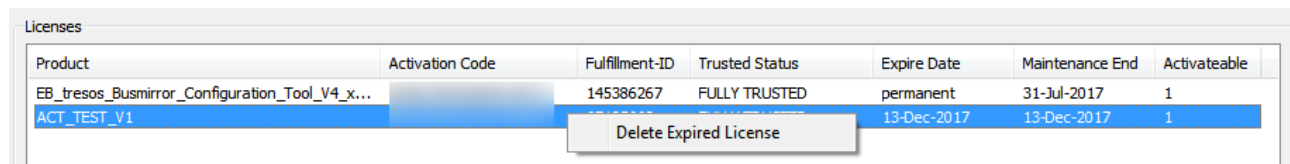
Command: # `./ebactutil.sh -localrepair`

## 5.5. Removing an expired license

### 5.5.1. Removing on Microsoft Windows

To remove an expired license without returning the license to the FlexNet Operations Cloud, click the right mouse button on the expired license line and select `Delete Expired License`.

Figure 5.12. Removing an expired license



| Product  | Activation Code | Fulfillment-ID | Trusted Status | Expire Date | Maintenance End | Activateable |
|--|-----------------|----------------|----------------|-------------|-----------------|--------------|
| EB_tresos_Busmirror_Configuration_Tool_V4_x... |                 | 145386267      | FULLY TRUSTED  | permanent   | 31-Jul-2017     | 1            |
| ACT_TEST_V1                                    |                 |                |                | 13-Dec-2017 | 13-Dec-2017     | 1            |

#### NOTE



#### Context Menu

The context menu to delete an expired license is only available if the license is already expired!

### 5.5.2. Removing on Linux

#### NOTE



#### Context Menu

Licenses can be removed only if is already expired!

### Step 1

Open a command line terminal.

### Step 2

Change directory to location where the `EB_Client_License_Administrator_Linux` has installed. Usually `/usr/local/share/FNP/service64/[Version]/`.

Command: # `cd /usr/local/share/FNP/service64/11.19.1/`

### Step 3

Return the license using `ebactutil.sh`.

Command: # `./ebactutil.sh -delete "YOUR-CODE-FORA-EBPR"`

### Step 4

Verify the license is not stored in local trusted storage anymore using `ebactutil.sh`.

Command: # `./ebactutil.sh -view`

## 6. Floating licenses

### 6.1. Activating floating licenses

Floating licenses are provided via FlexNet Operations On Cloud activation codes. Floating licenses are served by a floating license server within the customers network infrastructure. You can find the activation codes either in the **order notification email** or in **Order History** of the EB licensing portal.

#### STEP



#### Activating floating licenses on a server machine

Prerequisite:

- A lmadm license server is set up and configured. For more information, see [chapter 11, License server configuration](#).

#### Step 1

Obtain your activation code from the EB licensing customer portal or from the order notification email. For more information, see [chapter 3, Using the EB licensing portal](#).

#### Step 2

Activate your license with the EB Server License Administrator Tool.

For online activation, see [section 6.1.2, Activating a floating license online](#).

For offline activation, see [section 6.1.3, Activating a floating license offline](#).



## 6.1.1. Installing the EB Server License Administrator tool

### STEP



#### Installing the EB Server License Administrator tool

Prerequisite:

- Download the `EB_Server_License_Administrator_Setup.exe` tool from EB

Command:

- <https://command.elektrobit.com>

#### Step 1

Run `EB_Server_License_Administrator_Setup.exe`.

#### Step 2

Select the destination folder.

#### Step 3

Optionally create a **Start** menu entry.

#### Step 4

Optionally create a desktop shortcut.

#### Step 5

The installation of the EB Server License Administrator tool is complete.

## 6.1.2. Activating a floating license online

### STEP



### Activating a floating license online

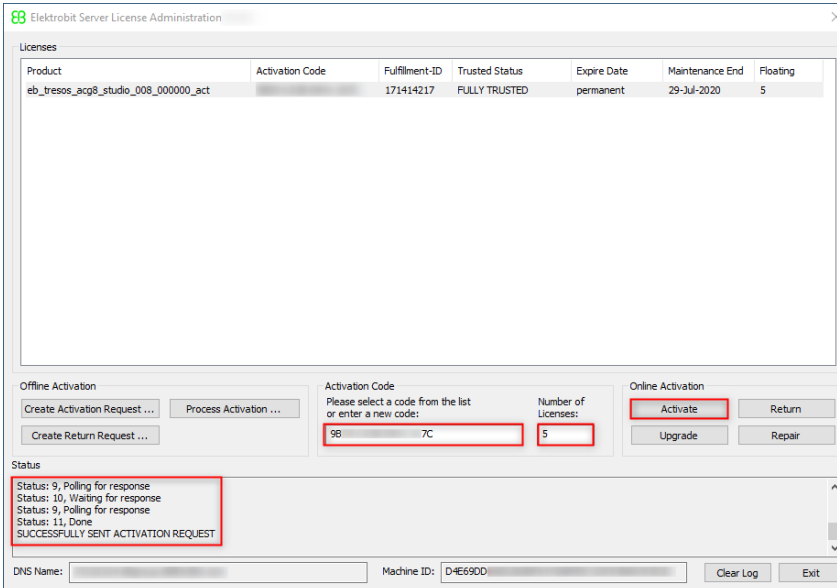
#### Step 1

Run the EB Server License Administrator tool from the **Start** menu or click the desktop shortcut.

#### Step 2

Enter an activation code in the **Activation Code** text box.

Figure 6.1. Online server license activation



The screenshot shows the 'Elektrobit Server License Administration' window. At the top, there is a 'Licenses' table with the following data:

| Product                              | Activation Code | Fulfillment-ID | Trusted Status | Expire Date | Maintenance End | Floating |
|--------------------------------------|-----------------|----------------|----------------|-------------|-----------------|----------|
| eb_tresos_acq8_studio_008_000000_act |                 | 171414217      | FULLY TRUSTED  | permanent   | 29-Jul-2020     | 5        |

Below the table, there are sections for 'Offline Activation' and 'Online Activation'. In the 'Online Activation' section, the 'Activation Code' field contains '9B' and '7C', and the 'Number of Licenses' field contains '5'. The 'Activate' button is highlighted with a red box. Below these fields, the 'Status' section shows a list of status messages, with 'SUCCESSFULLY SENT ACTIVATION REQUEST' highlighted by a red box. At the bottom, there are fields for 'DNS Name' and 'Machine ID' (D4E69DD), along with 'Clear Log' and 'Exit' buttons.

#### Step 3

Enter the number of licenses you want to activate. You can activate all ordered licenses on one machine or you can split your licenses to several license servers.

#### Step 4

Click **Activate**.

#### Step 5

Verify the license activation in the **Status** section.

#### Step 6

Restart your license server or re-read the licenses with the license server front end.

#### Step 7

Your licenses are ready to use on your license server.

### 6.1.3. Activating a floating license offline

#### STEP



#### Activating a floating license offline

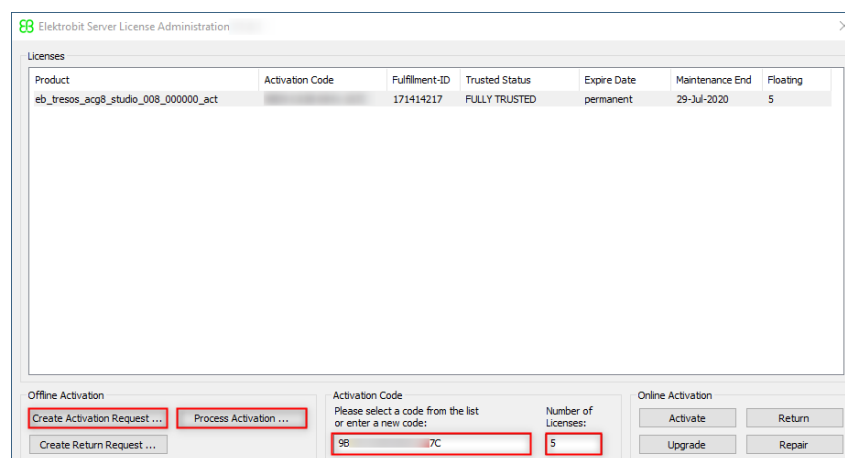
##### Step 1

Run the EB Server License Administrator tool from the **Start** menu or click the desktop shortcut.

##### Step 2

Enter an activation code in the **Activation Code** text box.

Figure 6.2. Offline server license activation



##### Step 3

Enter the number of licenses you want to activate. You can activate all ordered licenses on one machine or you can split your licenses to several license servers.

##### Step 4

Click **Create Activation Request ....**

##### Step 5

Save the activation request file and move it to a machine with internet access.

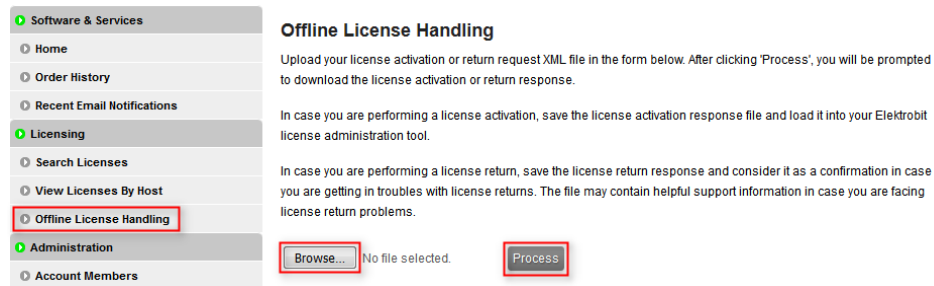
##### Step 6

On the machine with internet access, log in to the EB licensing portal.

##### Step 7

Browse to **Offline License Handling**.

Figure 6.3. Processing the activation request file



### Step 8

Click **Browse...** to load your previously created activation request file.

### Step 9

Click **Process** to process your offline license activation request and save the activation response file.

### Step 10

Move the activation response file to your server machine where you created the activation request.

### Step 11

On your server machine, click **Process Activation ...** to load and process the activation response file.

### Step 12

Verify the license activation in the **Status** section.

### Step 13

Restart your license server or re-read the licenses with the license server front end.

### Step 14

Your licenses are ready to use on your license server.

## 6.2. Returning a floating license

### 6.2.1. Returning a floating license online

#### STEP



#### Returning a floating license online

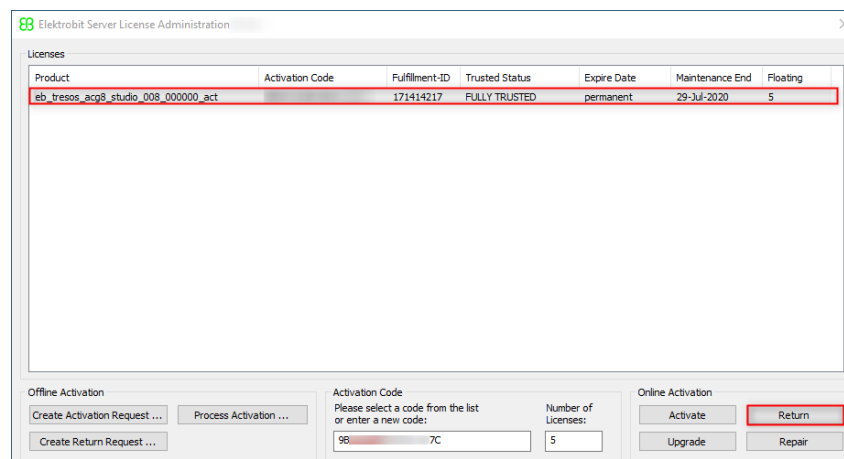
##### Step 1

Run the EB Server License Administrator tool from the **Start** menu or click the desktop shortcut.

##### Step 2

Select the line that shows the license you want to return.

Figure 6.4. Offline server license return



##### Step 3

Click **Return**.

##### Step 4

Your license is successfully returned and the related seats are available again for new license activation.

### 6.2.2. Returning a floating license offline

#### STEP



#### Returning a floating license offline

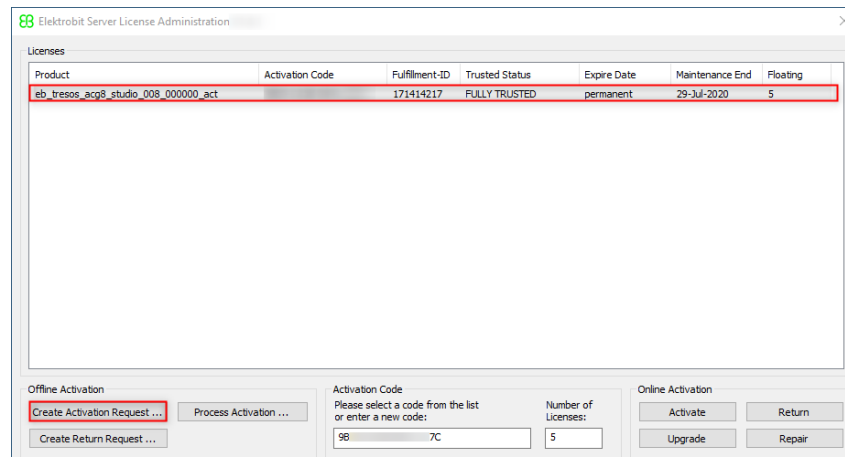
##### Step 1

Run the EB Server License Administrator tool from the **Start** menu or click the desktop shortcut.

## Step 2

Select the line that shows the license you want to return.

Figure 6.5. Offline server license return



## Step 3

Click **Create Return Request ....**

## Step 4

Save the return request file and move it to a machine with internet access.

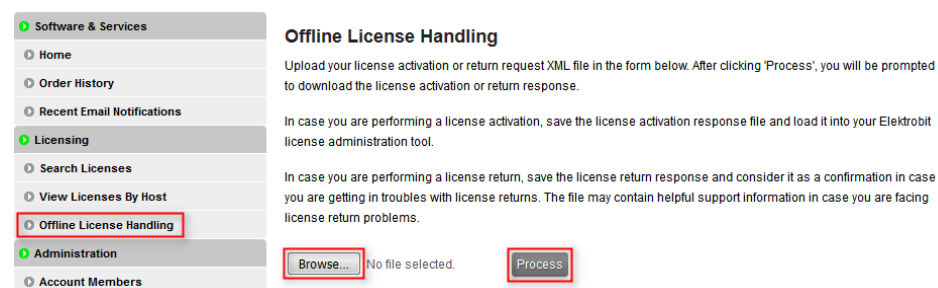
## Step 5

On the machine with internet access, log in to the EB licensing portal.

## Step 6

Browse to **Offline License Handling**.

Figure 6.6. Processing the return request file



## Step 7

Click **Browse...** to load your previously created return request file.

**Step 8**

Click **Process** to process your offline license return request file.

**Step 9**

Save the generated license return response file.

**NOTE****The license return response file**

The license return response file contains the license return confirmation. It is not needed further on.

**Step 10**

Your license is successfully returned and the related seats are available again for new license activation.

## 6.3. Upgrading a floating license

If you have purchased a subscription renewal of your floating license or your evaluation period was extended then you can upgrade your license so that the new maintenance end date is applied to your current license.

## 6.3.1. Upgrading floating license online

### STEP



#### Upgrading a floating license online

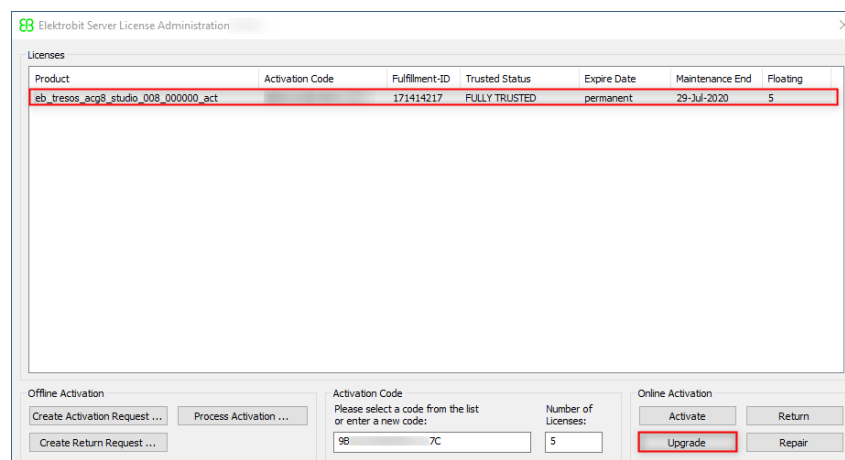
##### Step 1

Run the EB Server License Administrator tool from the **Start** menu or click the desktop shortcut.

##### Step 2

Select the line that shows the license you want to upgrade.

Figure 6.7. Online floating license upgrade



##### Step 3

Click **Upgrade**.

##### Step 4

Your license has been successfully upgraded.

## 6.3.2. Upgrading a floating license offline

### STEP



#### Upgrading a floating license offline is a two step operation

##### Step 1

Return your floating license offline.

For offline return, see [section 6.2.2, Returning a floating license offline](#)

##### Step 2

Activate your floating license offline.

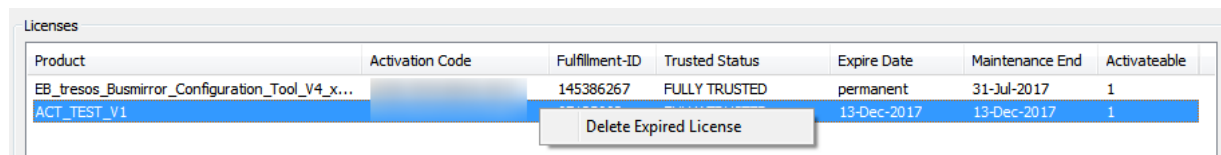
For offline activation, see [section 6.1.3, Activating a floating license offline](#)



## 6.4. Removing an expired floating licenses

To remove an expired floating license without returning the license to the FlexNet Operations Cloud, click the right mouse button on the expired license line and select `Delete Expired License`.

Figure 6.8. Removing an expired floating license



| Product  | Activation Code | Fulfillment-ID | Trusted Status | Expire Date | Maintenance End | Activateable |
|--|-----------------|----------------|----------------|-------------|-----------------|--------------|
| EB_tresos_Busmirror_Configuration_Tool_V4_x... |                 | 145386267      | FULLY TRUSTED  | permanent   | 31-Jul-2017     | 1            |
| ACT_TEST_V1                                    |                 |                |                | 13-Dec-2017 | 13-Dec-2017     | 1            |

Context menu: Delete Expired License

### NOTE



### Context Menu

The context menu to delete an expired license is only available if the license is already expired!

## 6.5. Repairing a floating license

A license might get invalid or broken e.g. after hardware defects and repair. A broken license could be recovered in many cases. If the license repair does not succeed, please contact EB customer support.

## STEP



### Repair a floating license online

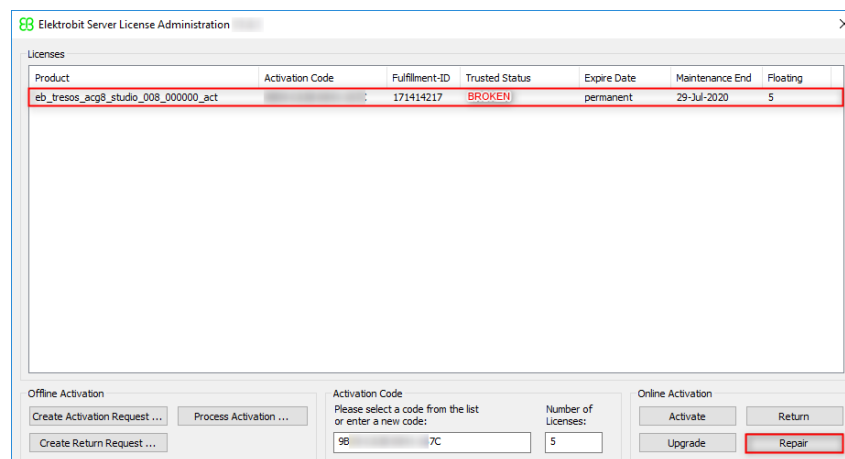
#### Step 1

Run the EB Server License Administrator tool from the **Start** menu or click the desktop shortcut.

#### Step 2

Select the line that shows the broken license you want to repair.

Figure 6.9. Online floating license repair



#### Step 3

Click **Repair**.

#### Step 4

Your license might be recovered.

## 6.6. Using floating licenses on a client machine

### 6.6.1. Configuring a license server in client application

## STEP



### Configuring a license server in client application

#### Step 1

Run the application that requires a license.

#### Step 2

Configure the server settings in the application using the server name and port number that your license server administrator has provided.

#### Step 3

Check the license in the license configuration of the specific application (e.g. EB tresos studio or EB corbos studio).

## 6.6.2. Manual setup

If you use floating or dongled licenses on your PC, installing the EB Client License Administrator tool is optional. You can configure the environment variable `EB_LICENSE_FILE` manually with the following values:

- License server for floating licenses: `EB_LICENSE_FILE=<port>@<your_server_name>`

### NOTE



#### Obtain server name and port number

Contact your license server administrator to obtain the server name and port number used by the FlexNet license server of your company.

- License file for dongled licenses: `EB_LICENSE_FILE=<path_to_your_license_file.lic>`
- License folder as an alternative for dongled licenses: `EB_LICENSE_FILE=<path_to_your_license_files>`

### NOTE



#### Combined options

You can combine different options. The license search order depends on the order of the entries provided in the `EB_LICENSE_FILE` environment variable. The entries must be separated by semicolon.

Example: `EB_LICENSE_FILE=C:\EB\Licenses;27000@licsvr.company.com`

### WARNING



#### Usage of the generic `LM_LICENSE_FILE` environment variable

Do not use the generic `LM_LICENSE_FILE` environment variable to configure the EB license search order without having a reasonable requirement since using the generic environment variable may lead to conflicts with other software vendors.

## 7. Dongled licenses

### 7.1. Prerequisites when using dongled licenses

#### NOTE



#### Using remote desktop or terminal server sessions is not possible

The Dongled license is not allowed to be used on remote desktop or terminal server sessions. This usage is technically prohibited. Choose the floating license for remote desktop or terminal desktop sessions instead.

#### STEP



#### Prerequisites when using dongled licenses

Prerequisite:

- Install the dongle driver by downloading the `WkRuntime.exe` dongle driver from EB Command. Alternatively download the latest version from Wibu-Systems: <http://www.wibu.com>
- Download license files. For more information see [section 3.4.2, Accessing your licenses](#).

#### Step 1

Start the application.

#### Step 2

Specify the license location in the application.

#### Step 3

Use the application.

### 7.2. Downloading license files from the Order History page

You can download a single license file or all license files in a ZIP archive from the **Order History** page.

#### STEP



#### Downloading license files from the Order History page

#### Step 1

Browse to the **Order History** page.

#### Step 2

Click on related order number on the left side.

#### Step 3

On the **Order Detail** page, point to the **Actions** button on the right side of the related order line.

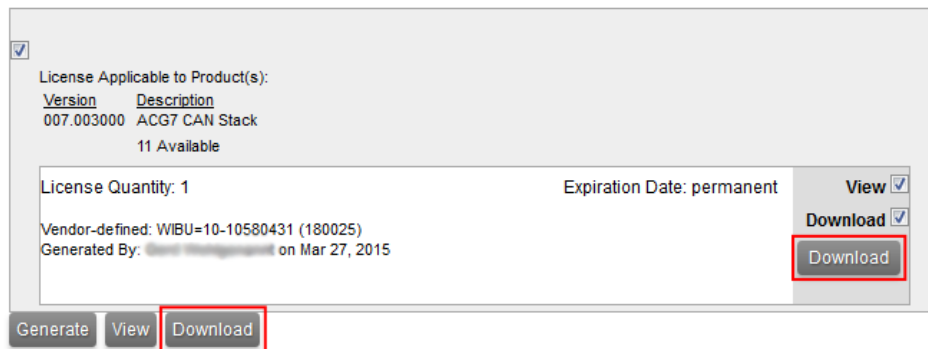
#### Step 4

In the context menu, click **License(s)**.

#### Step 5

On the **License Information** page, click **Download** on the bottom to download all dongled licenses. To download a single dongled license, click **Download** on the right.

Figure 7.1. **Download** button



## 7.3. Retrieving dongle serial number and customer ID

### STEP



### Retrieving dongle serial number and customer ID

#### NOTE



#### Dongle serial number and customer ID

Dongle licenses are locked to the dongle serial number or to the customer ID. If you need to contact EB according license issues with your dongle, you need to provide the dongle serial number and the customer ID to EB Customer Care. After you have connected the WibuKey to your computer and you have installed the dongle driver (see [section 7.1, Prerequisites when using dongled licenses](#)), you can retrieve the required information via the WibuKey control panel applet.

#### Step 1

Plug in USB dongle.

#### Step 2

Open the WibuKey control panel applet from the Windows Control Panel.

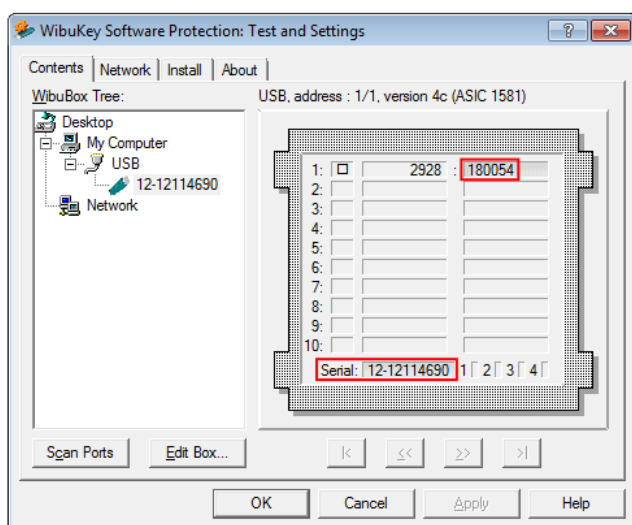
#### Step 3

Retrieve your dongle serial number - Example: 12-12114690

#### Step 4

Retrieve your customer ID - Example: 180054

Figure 7.2. WibuKey control panel applet



## 8. Hardware licenses

Hardware licenses are provided in a license file which must be uploaded to an EB hardware product, e.g. EB 5200 or EB 6100. The license technology is not based on FlexNet. Multiple module licenses are integrated in one license file and a digital signature is applied during downloading the license file.

### 8.1. Downloading license files from the Search Licenses menu

License files for EB hardware products are created during the download from the FlexNet portal. A license file for a specific product accumulates all module licenses.

#### NOTE



#### Download All Licenses

You can download all available license files associated to your account in a ZIP archive by clicking on the **Download All Licenses** button. The ZIP archive contains hardware license files as well as previously generated FlexNet license files and legacy licenses files if available. For more information about **Search Licenses**, see [section 3.4.1, Searching licenses](#).

#### WARNING



#### Download hardware licenses via the Order History is not possible

The hardware license files are generated during the download from the EB licensing portal. It is not possible to download individual signed license files via the **Order History** page. The received files provide only fragments of the required license file without a digital signature.

#### STEP



#### Downloading license files from the Search Licenses menu

Prerequisite:

- The EB hardware product serial number is known, see [section 8.2, Finding the EB hardware serial number](#).

##### Step 1

Login to the EB licensing portal and navigate to **Search Licenses**.

##### Step 2

Choose **Serial Number** in the **Search** drop-down box.

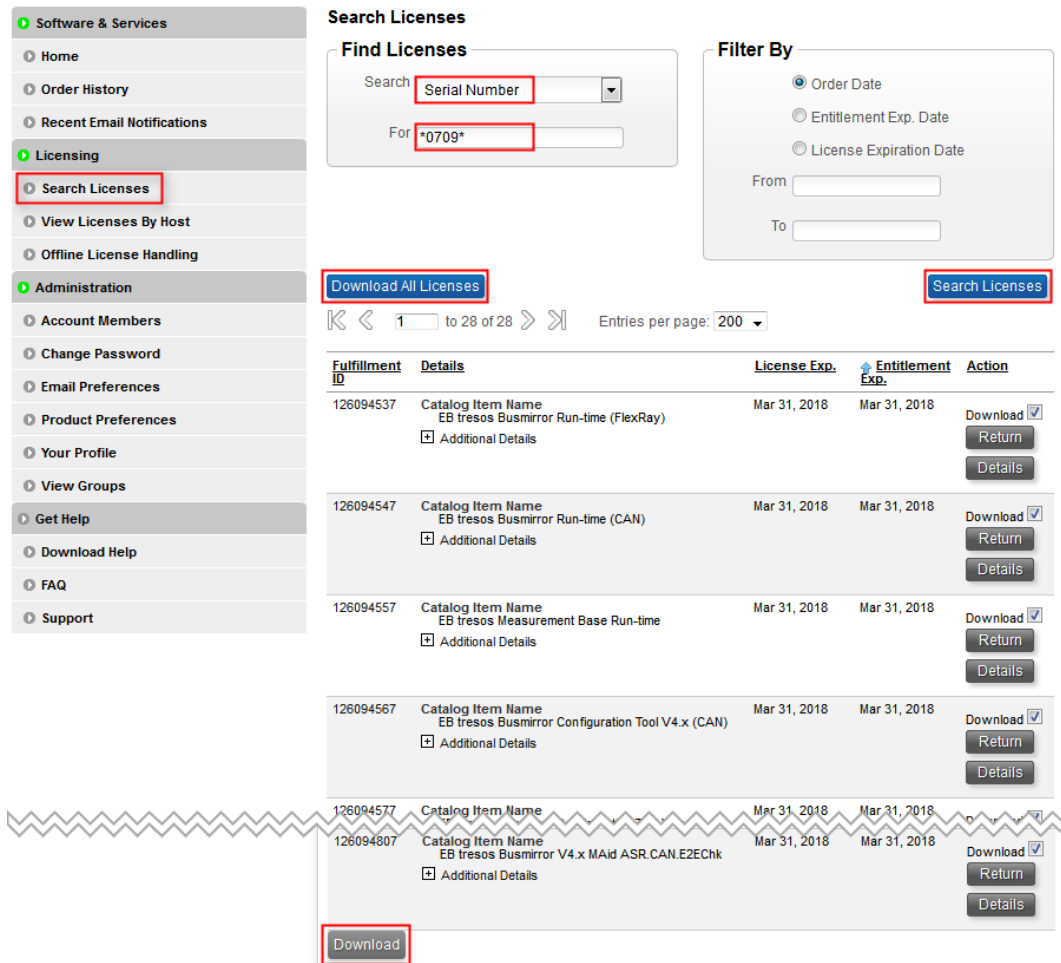
##### Step 3

Enter the last part of the serial number in the **For** text box with **surrounding asterisks**.

##### Step 4

Click **Search Licenses**.

Figure 8.1. Searching and downloading EB hardware licenses



The screenshot displays the Elektrobit licensing management interface. On the left is a sidebar menu with categories: Software & Services, Licensing, and Administration. The 'Search Licenses' option under Licensing is highlighted. The main content area is titled 'Search Licenses' and includes a 'Find Licenses' section with a search dropdown set to 'Serial Number' and a search value of '\*0709\*'. A 'Filter By' section on the right allows filtering by Order Date, Entitlement Exp. Date, or License Expiration Date. Below the search section is a 'Download All Licenses' button. The search results are displayed in a table with columns: Fulfillment ID, Details, License Exp., Entitlement Exp., and Action. The table lists five licenses, each with a 'Download' button and 'Return'/'Details' links. At the bottom of the table, a 'Download' button is highlighted.

| Fulfillment ID | Details  | License Exp. | Entitlement Exp. | Action  |
|----------------|--|--------------|------------------|---|
| 126094537      | Catalog Item Name<br>EB tresos Busmirror Run-time (FlexRay)<br>Additional Details            | Mar 31, 2018 | Mar 31, 2018     | Download <input checked="" type="checkbox"/><br>Return<br>Details |
| 126094547      | Catalog Item Name<br>EB tresos Busmirror Run-time (CAN)<br>Additional Details                | Mar 31, 2018 | Mar 31, 2018     | Download <input checked="" type="checkbox"/><br>Return<br>Details |
| 126094557      | Catalog Item Name<br>EB tresos Measurement Base Run-time<br>Additional Details               | Mar 31, 2018 | Mar 31, 2018     | Download <input checked="" type="checkbox"/><br>Return<br>Details |
| 126094567      | Catalog Item Name<br>EB tresos Busmirror Configuration Tool V4.x (CAN)<br>Additional Details | Mar 31, 2018 | Mar 31, 2018     | Download <input checked="" type="checkbox"/><br>Return<br>Details |
| 126094577      | Catalog Item Name<br>EB tresos Busmirror V4.x MAid ASR.CAN.E2EChk<br>Additional Details      | Mar 31, 2018 | Mar 31, 2018     | Download <input checked="" type="checkbox"/><br>Return<br>Details |

### Step 5

Navigate to the bottom of the page and click the **Download** button.

### Step 6

Save the file on your machine and upload it to your EB hardware product.



## 8.2. Finding the EB hardware serial number

The EB hardware serial number is required to find and download the appropriate license file on the EB licensing portal. You need the **number behind the hardware type** in the serial number.

### NOTE



### Example

If your serial number is **EB 5200-0860** then you need the number **0860** when you search for your license on the EB licensing portal.

### STEP



### Finding the serial number on an EB hardware box





#### Step 1

Find the nameplate on your box.

#### Step 2

Locate the box serial number on the nameplate.

Figure 8.2. EB hardware box nameplate

| EB 2200   |              |   |
|---|--------------|---|
|  | MAC-PC:      | 00:24:96:01:D0:BE   |
|   | MAC:         | 00:24:96:01:D0:BD   |
|   | USB IP:      | 169.254.19.197  |
|   | Article No.: | 263008  |
|  | Serial No.:  | EB 2200-0709  |
|   |              |  |
|   |              |  |

### STEP



### Finding the serial number on an EB hardware slot card

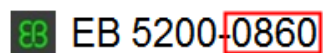
#### Step 1

Find the nameplate on your slot card.

#### Step 2

Locate the slot card serial number on the nameplate.

Figure 8.3. EB hardware slot card nameplate



## 9. Partner licenses for EB tresos Studio

### 9.1. Overview

Partner licenses are delivered to partner companies of EB that redistribute EB tresos Studio together with their own modules to their customers. Therefore a redistributable license is required. Partner licenses are provided as a set of activation codes. An additional license feature for EB tresos Studio contains the provider-ID which is required to digitally sign the modules developed by the partner.

### 9.2. Background information

#### 9.2.1. Restrictions for partner licenses

- The EB tresos Studio *partner license* is provided to the partner to develop and test partner-specific modules. The cryptographic key that is required to sign the partner-specific modules is included in this license.
- The EB tresos Studio *customer partner license* contains the cryptographic key to unlock the signed partner modules on the partner's customer machine.
- All allowed modules on the partner's customer machine must be cryptographically signed with the key provided by the partner license.
- The partner customer can also use a full-featured EB tresos Studio which can be ordered from EB if it is required to use also unsigned modules.

#### 9.2.2. Restrictions for partner customers

- The EB tresos Studio activation code for a partner license must **not be shipped to the customer**.
- EB ships a bundle of EB tresos Studio license activation codes for **partner customers** to the partner. The partner ships **one activation code out of this bundle to one customer**.
- Unsigned modules in the partner's customer installation are not accepted and are deactivated as long as the partner's customer uses the restricted EB tresos Studio version.
- EB ships a number of evaluation licenses to the partner which can be forwarded to a partner customer to evaluate EB tresos Studio.

### 9.3. Using partner licenses

#### 9.3.1. Using a partner license as a partner

**STEP****Using a partner license as a partner****Step 1**

Activate the partner license on the partner machine.

**Step 2**

Develop and test the partner-specific modules.

**Step 3**

Sign the partner modules with the provider-ID on the command line.

**Step 4**

Redistribute EB tresos Studio to the customer.

**Step 5**

Provide one activation code for a partner customer license of EB tresos Studio to your customer.

**Step 6**

Redistribute the EB Client License Administrator tool to your customer.

## 9.3.2. Using a partner license as a partner customer

**STEP****Using a partner license as a partner customer****Step 1**

Install EB tresos Studio which you have received from the partner.

**Step 2**

Install signed modules received from the partner.

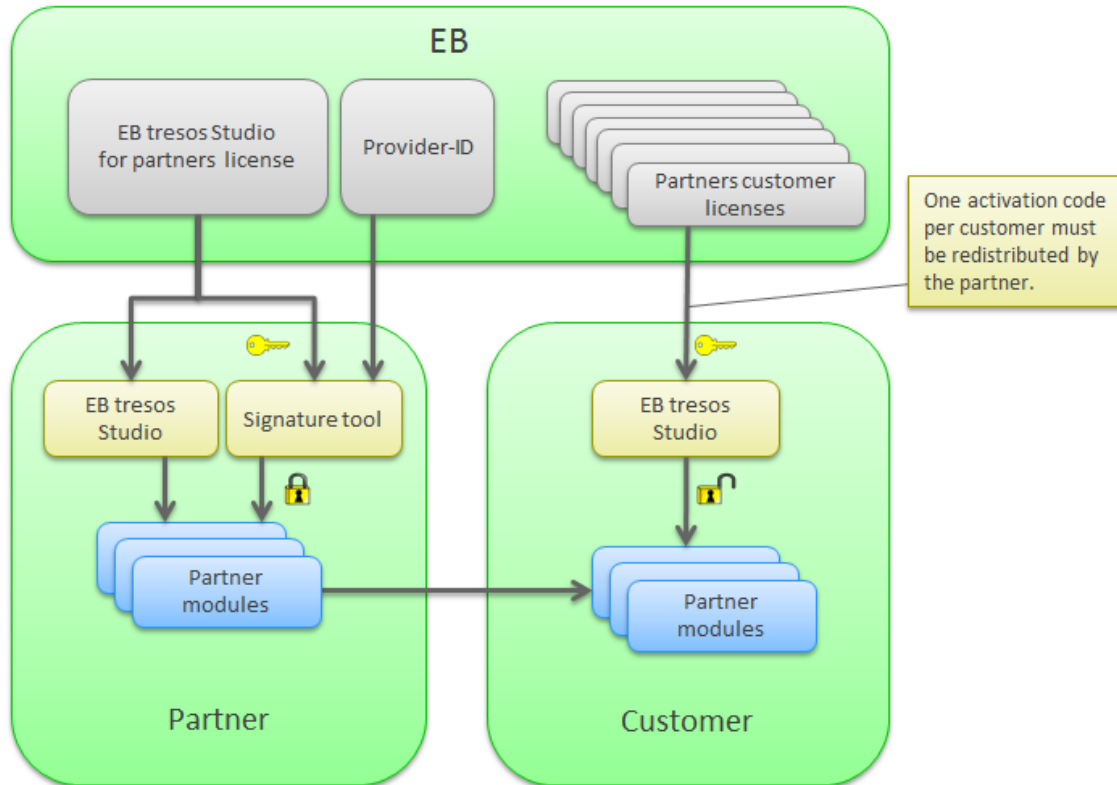
**Step 3**

Activate the partner customer license for EB tresos Studio with the activation code received from the partner.

**Step 4**

Start working with EB tresos Studio.

Figure 9.1. Partner license workflow



## 9.4. Retrieving the provider-ID

The provider-ID is contained within a special license feature which is included in the partner license. The provider-ID is encoded as suffix in the `EB_TS_CRYPTO` feature line. It is required to sign modules using the signature tool. The provider-ID is typically the partner's company name or an abbreviation of the partner's company name.

### STEP



#### Retrieving the provider-ID

##### Step 1

If you have a single user license, double-click the EB tresos Studio product for partners in the EB Client License Administrator tool.

##### Step 2

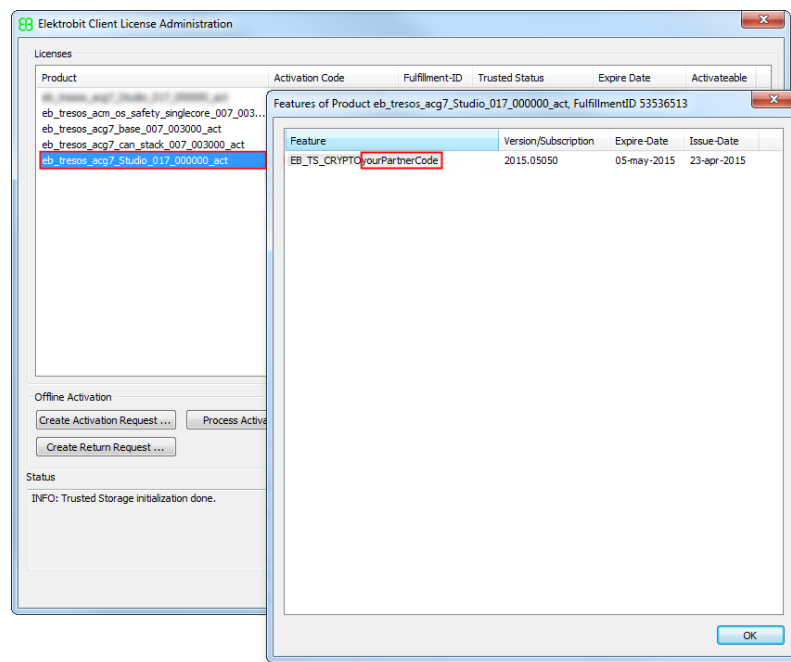
If you have a floating license, double-click the EB tresos Studio product for partners in the EB Server License Administrator tool.

##### Step 3

Locate the `EB_TS_CRYPTO` feature and extract your provider-ID from the feature name suffix.

Example: The provider-ID in `EB_TS_CRYPTOyourPartnerCode` is `yourPartnerCode`.

Figure 9.2. The provider-ID in the EB Client License Administrator tool



## 9.5. Use of the signature tool

EB tresos Studio includes a signature tool which is capable to sign module plug-ins. The signature tool is accessible via the command line of EB tresos Studio. To operate the signature tool, a partner license of EB tresos Studio for must be activated.

For more information on working with the signature tool, see section *How to sign modules with the crypto command* in your EB tresos Studio developer's guide.

## 9.6. Software redistribution

To operate EB tresos Studio on a partner's customer machine, several components must be shipped to the partner customer:

- Product licensing User Guide
- EB Client License Administrator tool
- A copy of EB tresos Studio for the partner customer
- Activation code for a partner customer license of EB tresos Studio
- Signed partner modules

## 10. Legacy licenses

### 10.1. Overview

Legacy licenses are dongled and floating licenses which are not covered by the default Flexera license generation process. The following products are affected:

- EB tresos OSEK
- EB tresos AutoCore Generic 4 and the corresponding EB tresos Studio release
- EB tresos AutoCore Generic 6 and the corresponding EB tresos Studio release
- EB tresos AutoCore Generic 7 and the corresponding EB tresos Studio release, up to 7.2

### 10.2. Background information

Legacy licenses are distributed through `.lic` license files.

The schema for legacy license files is `tresos_Customer_<customername>_<licensetype>.lic`

- `<customername>` is your company name
- `<licensetype>` is either FLOATING or DONGLE

Example for a floating license: `tresos_Customer_Elektrobit_Automotive_GmbH_FLOATING.lic`

Example for a dongled license: `tresos_Customer_Elektrobit_Automotive_GmbH_DONGLE.lic`

#### 10.2.1. Legacy dongled licenses

A legacy dongled license consists of one license file for the client machine.

#### 10.2.2. Legacy floating licenses

A legacy floating license consists of two license files, one for the client machine and one for the floating license server.

## 10.3. Accessing your legacy licenses

### 10.3.1. Accessing legacy floating licenses

You receive legacy floating licenses in the EB licensing customer portal either as single `.lic` license file or packed in a `.zip` file.

Figure 10.1. Legacy floating license in a .lic file

|  |   |
|--|---|
| <b>Line Number: 9 - LicenseFile</b><br><b>Total Number of Licenses: 1</b><br>0 Available |   |
| License File: FLEXnet_Server_license_FLEXnet_tresos_████████████████████.lic             | <b>Download</b> <input checked="" type="checkbox"/><br>Download |

|   |   |
|---|---|
| <b>Line Number: 10 - LicenseFile</b><br><b>Total Number of Licenses: 1</b><br>0 Available |   |
| License File: Studio12_Floating_████████████████████_FLOATING.lic                         | <b>Download</b> <input checked="" type="checkbox"/><br>Download |

Download

Figure 10.2. Legacy floating license in a .zip file

Order Number: QU218907\_ACG6\_EVAL  
Order Date: Feb 15, 2016  
PO Number: Eval

|   |
|---|
| <b>Line Number: 1 - ACG6 Memory Stack</b><br><b>Total Number of Licenses: 1</b><br>0 Available<br>License Key: Version: Win32x86  |
| <b>Line Number: 2 - ACG6 RTE</b><br><b>Total Number of Licenses: 1</b><br>0 Available<br>License Key: Version: Win32x86   |
| <b>Line Number: 3 - EB tresos Studio for ACG6</b><br><b>Total Number of Licenses: 1</b><br>0 Available<br>License Key: Version: 14.x  |
| <b>Line Number: 4 - Composite</b><br><b>Total Number of Licenses: 1</b><br>0 Available<br>License Key: COMPOSITE=FB5A6A19647F   |
| <b>Line Number: 5 - LicenseFile</b><br><b>Total Number of Licenses: 1</b><br>0 Available<br>License File: lic-20160315-084150-dlv-QU218907L.zip <div> Download <input checked="" type="checkbox"/> </div> <div> Download </div> |

Download



## 10.3.2. Accessing legacy dongled licenses

Legacy dongled licenses are shown in the **Order Detail** view of the **Order History**. Each order with a preceded x is a *delivery note* for a legacy dongled license.

Figure 10.3. Legacy floating license in a .zip file

### Order Detail

Click on the "Download" link next to the product to download it (only available when applicable).

Order Number: [REDACTED]  
Order Date: Nov 30, 2015  
PO Number: [REDACTED]

#### Licenses for this Order

|   | Line | Product Description                 | Manufacturer Part Number | Qty |  |
|---|------|-------------------------------------|--------------------------|-----|--|
| + | 1    | EB tresos Studio for ACG6           | X3910                    | 1   |  |
| + | 2    | Composite                           | Composite                | 1   |  |
| + | 3    | ACG6 Base                           | X4521                    | 1   |  |
| + | 4    | ACG6 Com Services                   | X4525                    | 1   |  |
| + | 5    | ACG6 Diagnostic Stack               | X4531                    | 1   |  |
| + | 6    | ACG6 FlexRay Stack                  | X4528                    | 1   |  |
| + | 7    | ACG6 Mode Management                | X4532                    | 1   |  |
| + | 8    | EB tresos AutoCore OS (Single-Core) | X4001                    | 1   |  |
| + | 9    | LicenseFile                         | LicenseFile              | 1   |  |
| + | 10   | LicenseFile                         | LicenseFile              | 1   |  |

For more information on the EB licensing customer portal, see [chapter 3, Using the EB licensing portal](#).

# 11. License server configuration

## 11.1. Overview

This chapter is aimed for network administrators and server administrators. It provides information on how to use and configure a FlexNet Imadmin license server.

The following components are mandatory to configure a FlexNet license server:

- The FlexNet Imadmin license server package is installed as service on the server machine and listens on the Imadmin default port number 8090. For more information on the FlexNet Imadmin license server, see the FlexNet Publisher License Administration Guide.
- The EB Server License Administrator tool is installed in the default directory, see [section 6.1.1, Installing the EB Server License Administrator tool](#).
- Floating licenses are activated on the server machine, see [section 6.1.2, Activating a floating license online](#) and [section 6.1.3, Activating a floating license offline](#).
- The EB\_SERVER\_CONFIG.lic license file is available in C:\EB\EB\_Server\_License\_Administrator\Licenses.
- After installing the EB Server License Administrator tool, the EB vendor daemon executable file is located in <installfolder>\<platform>\EB.exe.

Example: C:\EB\EB\_Server\_License\_Administrator\x64\EB.exe

### NOTE



#### 64 Bit EB vendor daemon

The EB vendor daemon is only available as 64 Bit version for Microsoft Windows operating systems.

## 11.2. Transferring floating licenses from Imgrd to Imadmin

If you have older licenses from Imgrd, follow the instructions to transfer the licenses to Imadmin.

### STEP



#### Transferring floating licenses from Imgrd to Imadmin

##### Step 1

Shutdown the Imgrd service.

##### Step 2

Copy all licenses from your previous license file to the EB\_SERVER\_CONFIG.lic.

Your older licenses are now managed by the Imadmin server.

## 11.3. Login to the license server

### STEP



#### Login to the license server

Prerequisite:

- The Imadmin license server package is installed.
- The *EB Server License Administrator* tool is installed, see [section 6.1.1, Installing the EB Server License Administrator tool](#).
- Floating licenses are activated on the server machine, see [section 6.1.2, Activating a floating license online](#) and [section 6.1.3, Activating a floating license offline](#).
- `EB_SERVER_CONFIG.lic` license file is available in `C:\EB\EB_Server_License_Administrator\Licenses`.

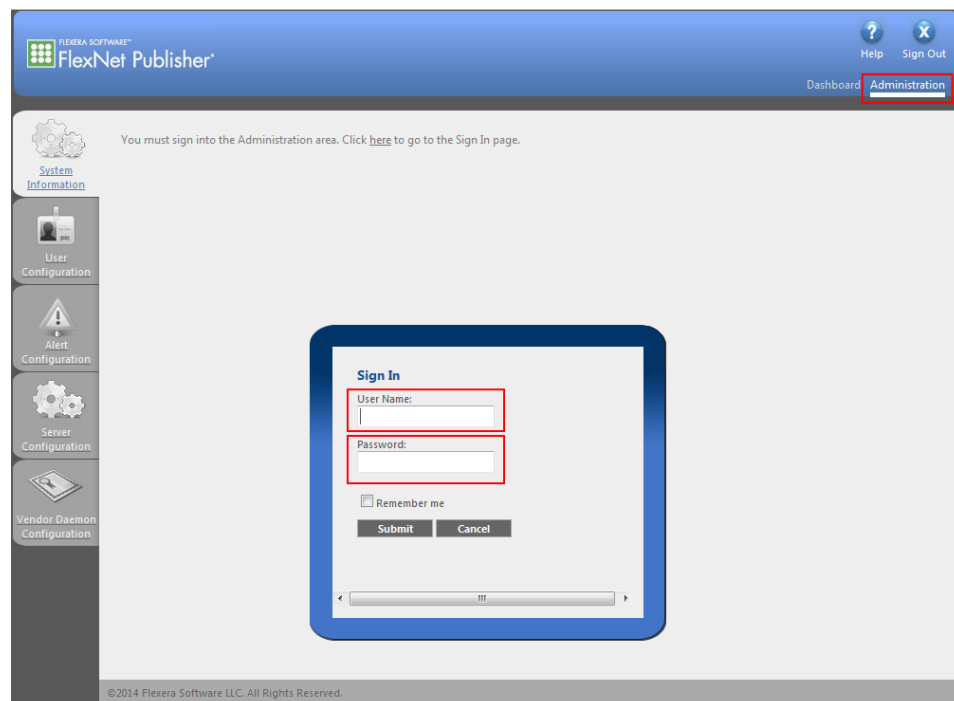
#### Step 1

In your favorite browser, browse to `localhost:8090`.

#### Step 2

Click the **Administration** button to browse to the administration page.

Figure 11.1. Imadmin login



#### Step 3

Log in to the server as user `admin`.

#### Step 4

The default password for the admin user is `admin`.

#### NOTE



#### Password change

Upon your first login to the administration page you are prompted to change the default password.

## 11.4. Importing a license file

### STEP

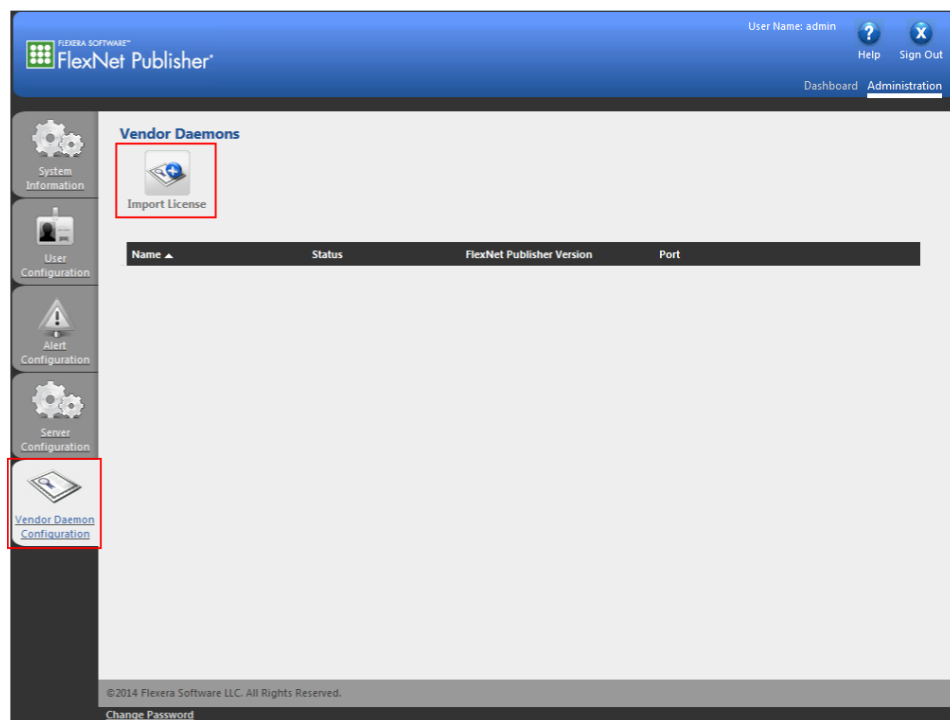


#### Importing a license file

##### Step 1

Click **Vendor Daemon Configuration** to browse to the **Vendor Daemons** page.

Figure 11.2. The **Vendor Daemons** page



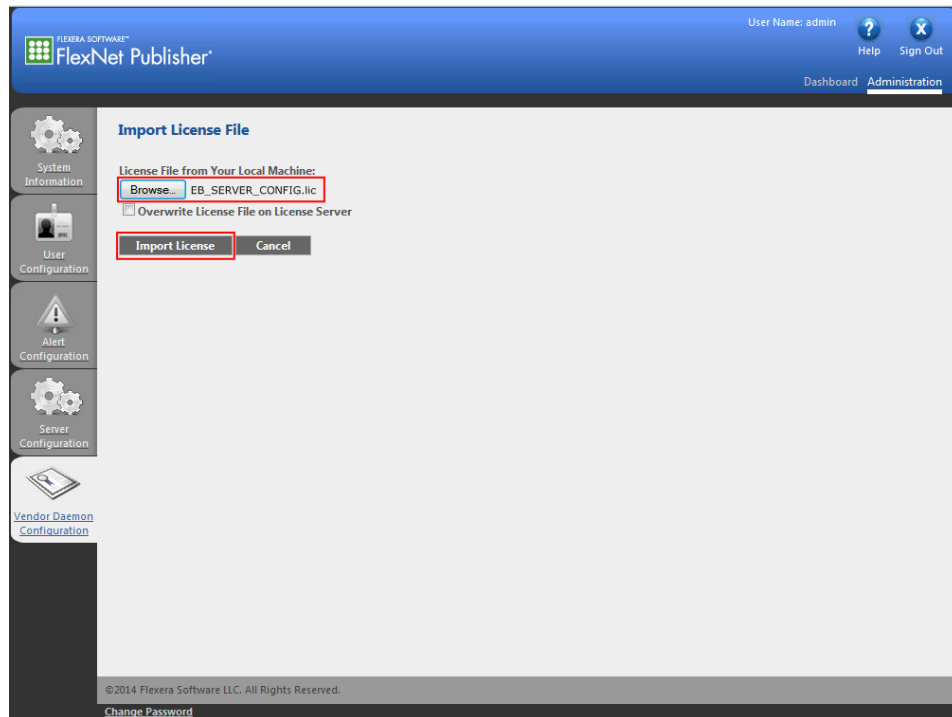
##### Step 2

Click **Import License**.

##### Step 3

Click **Browse** and select the `EB_SERVER_CONFIG.lic` license file. The default location of this file is `C:\EB\EB_Server_License_Administrator\licenses`.

Figure 11.3. Importing a license file



#### Step 4

Click **Import License** to import the selected license file.

#### NOTE



#### Overwrite license file

If you import the license file for the first time, do not select the **Overwrite License File on License Server** option. Otherwise, select the check box.

## 11.5. Verifying the license file import

#### STEP

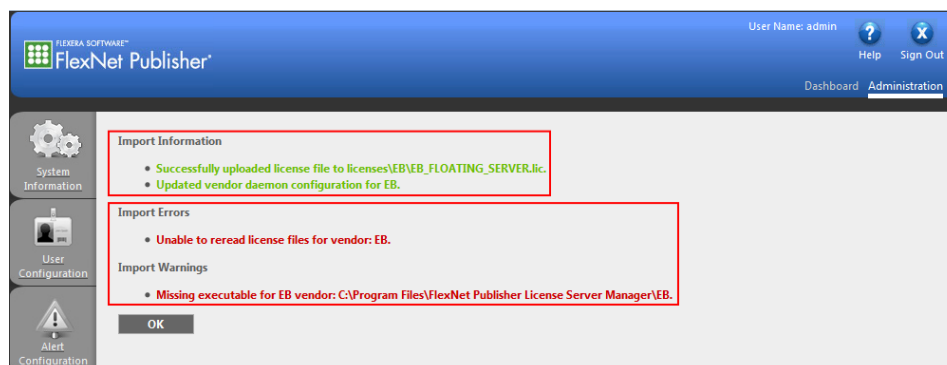


#### Verifying the license file import

##### Step 1

Check that the license file import was successful in the **Import Information** section.

Figure 11.4. License file import information



### Step 2

If the path to the EB vendor daemon is not yet configured, ignore the vendor daemon error messages in the **Import Errors** and **Import Warnings**. For information on configuring the EB vendor daemon, see [section 11.6, Configuring the EB vendor daemon](#).

### Step 3

Click **OK**.

### Step 4

On the **Vendor Daemons** page, point to the vendor daemon line with the **Stopped** status and click the highlighted line to browse to the EB vendor daemon configuration page.

Figure 11.5. The **Vendor Daemons** page



## 11.6. Configuring the EB vendor daemon

### STEP

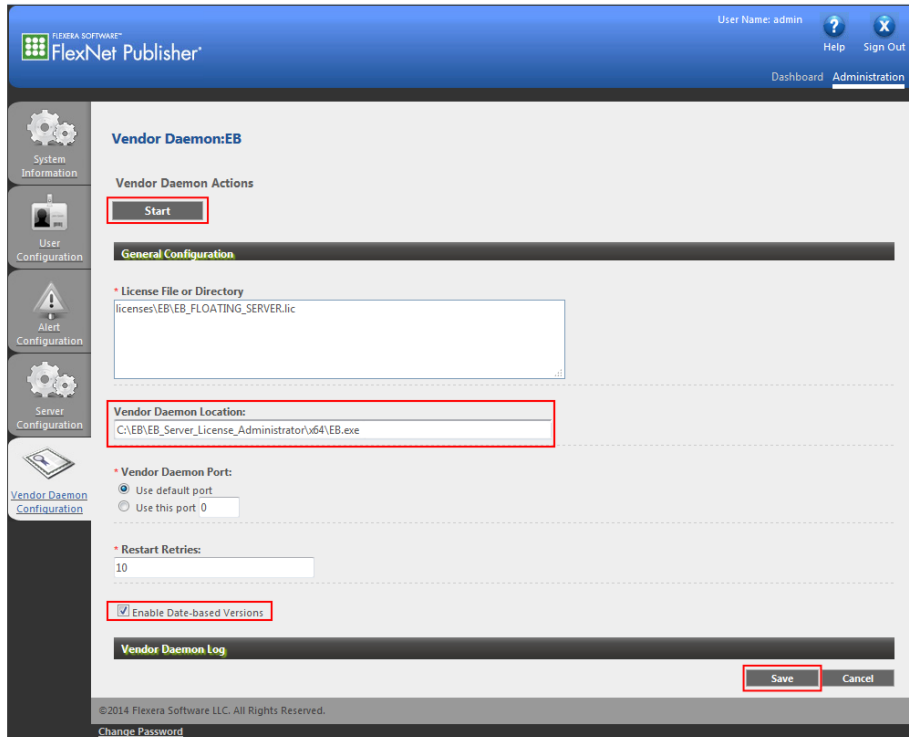


### Configuring the EB vendor daemon

#### Step 1

In the text box **Vendor Daemon Location**, enter the path to the EB vendor daemon file `EB.exe`.

Figure 11.6. Vendor daemon configuration



FlexNet Publisher

User Name: admin Help Sign Out

Dashboard Administration

System Information

User Configuration

Alert Configuration

Server Configuration

Vendor Daemon Configuration

**Vendor Daemon:EB**

Vendor Daemon Actions

**Start**

**General Configuration**

\* License File or Directory

licenses\EB\EB\_FLOATING\_SERVER.lic

Vendor Daemon Location:

C:\EB\EB\_Server\_License\_Administrator\64\EB.exe

\* Vendor Daemon Port:

☒ Use default port

☐ Use this port: 0

\* Restart Retries:

10

☒ Enable Date-based Versions

**Vendor Daemon Log**

**Save** Cancel

©2014 Flexera Software LLC. All Rights Reserved.  
Change Password

## Step 2

Select the **Enable Date-based Versions** check box. It is very important to check this check box because the end date of the license subscription is coded into the license version.

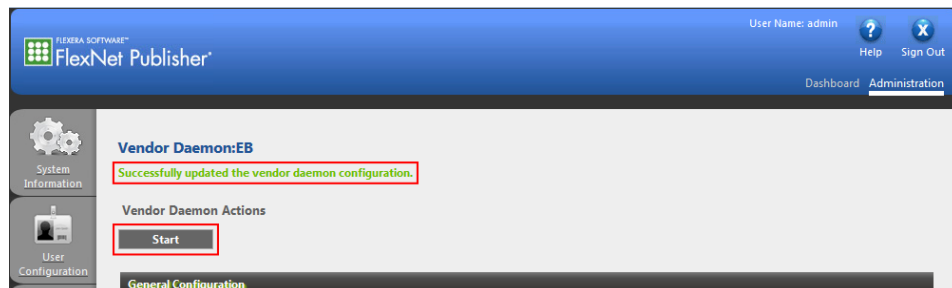
## Step 3

Click **Save** to save your EB vendor daemon configuration.

## Step 4

A message indicates that the EB vendor daemon configuration was successfully updated. Click **Start** to start the EB vendor daemon.

Figure 11.7. Successful EB vendor daemon configuration



FlexNet Publisher

User Name: admin Help Sign Out

Dashboard Administration

System Information

User Configuration

**Vendor Daemon:EB**

Successfully updated the vendor daemon configuration.

Vendor Daemon Actions

**Start**

**General Configuration**

## 11.7. Verifying the EB vendor daemon

### STEP

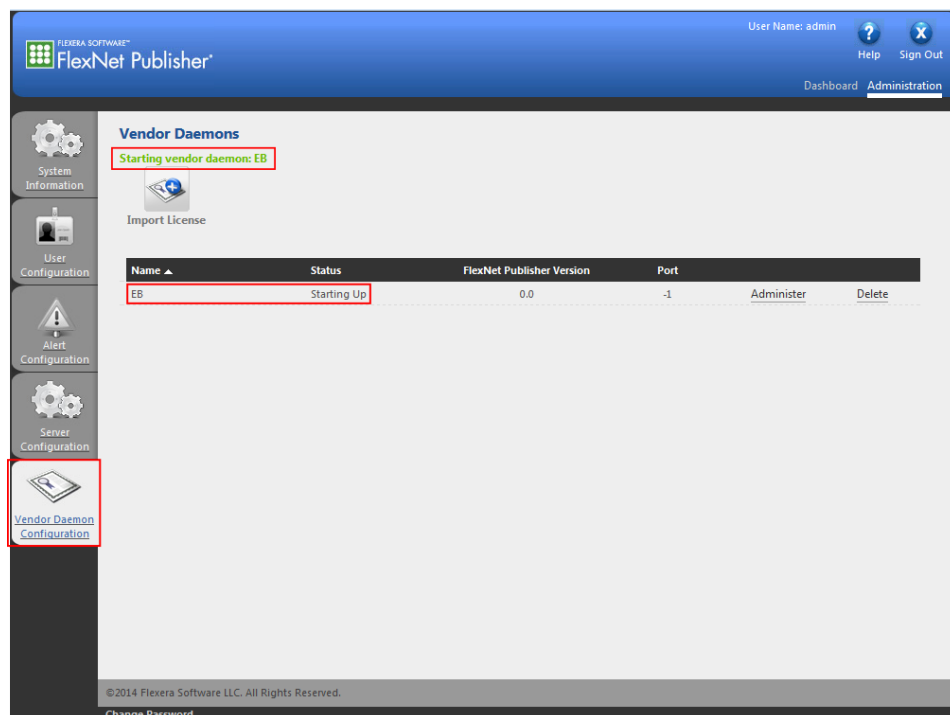


#### Verifying the EB vendor daemon

##### Step 1

The Imadmin initiates the EB vendor daemon startup with the message **Starting vendor daemon: EB**.

Figure 11.8. The **Vendor Daemons** page



##### Step 2

The status **Starting up** is shown.

##### Step 3

Wait a few seconds and click **Vendor Daemon Configuration** to refresh the page.

##### Step 4

The status **Up** indicates that the EB vendor daemon is active.



Figure 11.9. Active EB vendor daemon



## 11.8. Verifying your licenses

### STEP

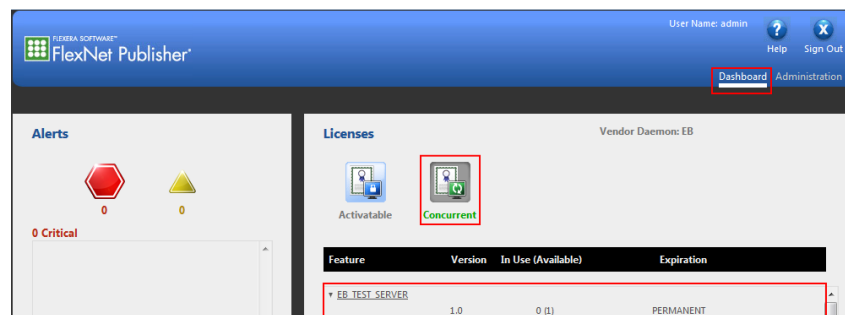


### Verifying your licenses

#### Step 1

Click **Dashboard** to browse to the FlexNet Publisher license server dashboard.

Figure 11.10. Verify licenses



#### Step 2

Click **Concurrent**.

#### Step 3

The EB\_TEST\_SERVER license feature is available.

## NOTE All activated licenses are shown



This page shows all your activated licenses available on your server machine.

## NOTE Activating floating licenses at the license server



For instructions on how to activate a floating license, see [chapter 6. Floating licenses](#).

# 11.9. Testing the license server with Imgrd command line utility

To support debugging a license server configuration, two batch files are provided in the `EB_Server_License_Administrator\x64` folder of your Server License Administrator installation. Use these batch files to run a local test of a floating server. The server test will use `EB_SERVER_CONFIG_DEMO.lic` which includes a public `EB_TEST_SERVER` feature.

## STEP



## Testing the license server with Imgrd command line utility

### Step 1

Run `test_lmgrd.bat` to start the FlexNet Publisher license server on port 28000 of your localhost.

Figure 11.11. Output of `test_lmgrd.bat`

```

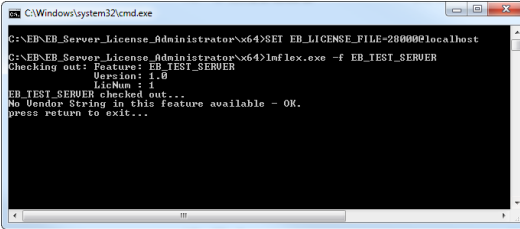
C:\EB\EB_Server_License_Administrator\x64>lmgrd -c EB_SERVER_CONFIG_DEMO.lic -z
12:58:35 (lmgrd) Please Note:
12:58:35 (lmgrd) This log is intended for debug purposes only.
12:58:35 (lmgrd) In order to capture accurate license
12:58:35 (lmgrd) usage data into an organized repository,
12:58:35 (lmgrd) please enable report logging, use Flexera Software LLC's
12:58:35 (lmgrd) software license administration solution,
12:58:35 (lmgrd) FlexNet Manager, to readily gain visibility
12:58:35 (lmgrd) into license usage data and to create
12:58:35 (lmgrd) insightful reports on critical information like
12:58:35 (lmgrd) license availability and usage. FlexNet Manager
12:58:35 (lmgrd) can be fully automated to run these reports on
12:58:35 (lmgrd) schedule and can be used to track license
12:58:35 (lmgrd) servers and usage across a heterogeneous
12:58:35 (lmgrd) network of servers including Windows NT, Linux
12:58:35 (lmgrd) and UNIX.
12:58:35 (lmgrd)
12:58:35 (lmgrd) Server's System Date and Time: Thu Oct 18 2018 12:58:35 W. Europe Daylight Time
12:58:35 (lmgrd) pid 9132
12:58:35 (lmgrd) SLOG: Summary LOG statistics is enabled.
12:58:35 (lmgrd) Done rereading
12:58:35 (lmgrd) FlexNet Licensing (v11.14.1.1 build 201886 x64_n6) started on EMR2676N (IBM PC) (18/18/2018)
12:58:35 (lmgrd) Copyright (c) 1988-2017 Flexera Software LLC. All Rights Reserved.
12:58:35 (lmgrd) World Wide Web: http://www.flexerasoftware.com
12:58:35 (lmgrd) License file(s): EB_SERVER_CONFIG_DEMO.lic
12:58:35 (lmgrd) lmgrd tcp port 28000
12:58:35 (lmgrd) (lmgrd-SLOG) === LMGRD ===
12:58:35 (lmgrd) (lmgrd-SLOG) Start-Date: Thu Oct 18 2018 12:58:35 W. Europe Daylight Time
12:58:35 (lmgrd) (lmgrd-SLOG) PID: 9132
12:58:35 (lmgrd) (lmgrd-SLOG) LMGRD Version: v11.14.1.1 build 201886 x64_n6 ( build 201886 (ipw6))
12:58:35 (lmgrd) (lmgrd-SLOG) === Network Info ===
12:58:35 (lmgrd) (lmgrd-SLOG) Listening port: 28000
12:58:35 (lmgrd) (lmgrd-SLOG) === Startup Info ===
12:58:35 (lmgrd) (lmgrd-SLOG) Is LS run as a service: No
12:58:35 (lmgrd) (lmgrd-SLOG) Server Configuration: Single Server
12:58:35 (lmgrd) (lmgrd-SLOG) Command-line options used at LS startup: -c EB_SERVER_CONFIG_DEMO.lic -z
12:58:35 (lmgrd) (lmgrd-SLOG) License file(s) used: EB_SERVER_CONFIG_DEMO.lic
12:58:35 (lmgrd) (lmgrd-SLOG) SLOG: FNPLS-INTERNAL-VLI-4096
12:58:35 (lmgrd) Starting vendor daemons ...
12:58:35 (lmgrd) Starting vendor daemon at port 28010
12:58:35 (lmgrd) Using vendor daemon port 28010 specified in license file
12:58:35 (lmgrd) Started EB (pid 8824)
12:58:35 (EB) FlexNet Licensing version v11.14.1.1 build 201886 x64_n6
12:58:41 (EB) SLOG: Summary LOG statistics is enabled.
12:58:41 (EB) SLOG: FNPLS-INTERNAL-CRPI1
12:58:41 (EB) SLOG: VM Status: 255

```

### Step 2

Run `test_checkout.bat` to checkout the license feature `EB_TEST_SERVER`.

Figure 11.12. Output of test\_checkout.bat



```
C:\Windows\system32\cmd.exe
C:\EB\EB_Server_License_Administrator>x64>SET EB_LICENSE_FILE=2800000localhost
C:\EB\EB_Server_License_Administrator>x64>lnflex.exe -f EB_TEST_SERVER
Checking out: Features: EB_TEST_SERVER
Version: 1.0
LicNum: 1
EB_TEST_SERVER checked out...
No Vendor String in this feature available - OK.
press return to exit...
```