

# Readme FlexNet

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## 1 What AUCOTEC needs to create the license file

This description is valid from Engineering Base version 6.3.3 incl. Hotfix 307, ELCAD Version 7.8.0 incl. SP2 and RUPLAN version 4.8.1.

To start a FlexNet License Server in a customer environment some conditions are necessary:

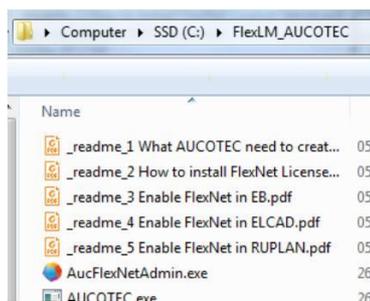
- A computer with a Windows operating system for installing the License Service
- Informationen of this computer for generating the license file „aucotec.lic“

The zipped file includes some tools, also a tool called “AucFlexNetAdmin.exe”. This tool collects all necessary information for AUCOTEC to generate the file.

Please follow the next steps:

1. Copy all files to a directory on the new License Server, e.g. to “C:\FlexLM\_AUCOTEC\”.

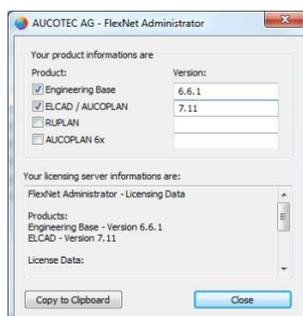
2. Open the Explorer and change to the directory.



3. Double-click on “AucFlexNetAdmin.exe”.

4. Insert the required information.

Example:



5. Now click "Copy to Clipboard" and place the information via Strg-V into an email.

Example:

```
FlexNet Administrator - Licensing Data

Products:
Engineering Base - Version 6.6.1
ELCAD - Version 7.11

License Data:
HOSTNAME=Name-PC
Virtualisation: None
EBSN: G77W55JCN7360416E035X

Intel(R) 82579LM Gigabit Network Connection
AB:CD:EF:12:34:56
```

6. Please send the email to your sales assistant at AUCOTEC.

AUCOTEC creates with this information the license file "aucotec.lic" and sends it back to you.

The installation of the FlexNet License Server is described in the document "How to install FlexNet License Server".

## 2 How to install FlexNet License Server

The installation of the FlexNet License Server is described in the document "How to install FlexNet License Server".

To start a FlexNet License Server in a customer environment the following conditions are necessary:

- A computer with a Windows operating system for installing the License Service
- The license file "aucotec.lic". The license file will be provided by AUCOTEC

The zipped file includes some tools to install the FlexNet License Server.

Please follow the next steps:

1. Copy all files to a directory, e.g. to "c:\FlexLM\_AUCOTEC\".
2. Open the command prompt **as Administrator** and change to the directory:  
*e.g. cd "c:\FlexLM\_AUCOTEC"*
3. Install the License Manager Service:

a. Insert the following command and press Enter:

*installanchorservice.exe AUCOTEC AUCOTEC*

Note: If you have started the program AucFlexNetAdmin already, this service may have already been installed. As soon as the message "Successfully installed anchor service for publisher AUCOTEC, product AUCOTEC" appears when executing the command, everything is fine!

b. Insert the following command and press Enter:

*installs -c c:\FlexLM\_AUCOTEC\aucotec.lic -e c:\FlexLM\_AUCOTEC\lmgrd.exe -l c:\FlexLM\_AUCOTEC\aucotec.log -n "FLEXlm License Manager AUCOTEC"*

Note: If you like to make an update of the License Service for AUCOTEC products, please uninstall FLEXlm License Manager AUCOTEC before installing the new service!

To uninstall the Service deactivate it first, insert the following command and press Enter:

*installs -r -n "FLEXlm License Manager AUCOTEC"*

4. Open the dialog for the Services and select the Service "FLEXlm License Manager AUCOTEC". Open the Properties of the Service. Change to the Logon tab and change the settings to Local System.
5. Copy the new license file (maybe you have to rename it to "aucotec.lic") to the target directory.
6. Start the License Manager Service by using the following command  
*net start "FLEXlm License Manager AUCOTEC"*
7. Force reading the new license file by using the following command  
*lmutil lmread*

Now the licenses can be used.

Note: For the communication between the license server and the client the configurable ports 27005 and 10001 are used! Please configure your firewall accordingly.

**Note:** The ports can be changed in the aucotec.lic file.

A description how to get licenses from the server can be find in "Enable FlexNet in EB/ELCAD/RUPLAN".

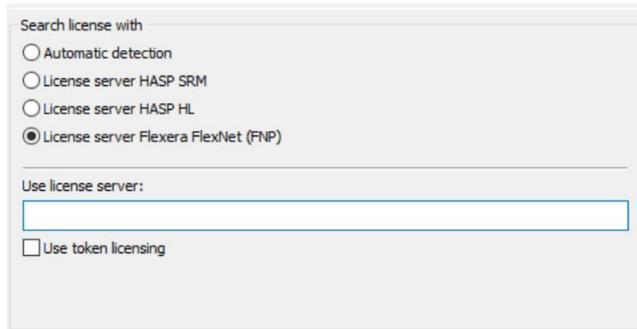
### **How to check the status of a Flexnet License Server (command line tools)**

- show usage
  - o *lmutil lmstat -a*
  - o *lmutil lmstat -f*
- show issued file based licenses
  - o *lmutil lmstat -i*
- show issued licenses in trusted storage
  - o *serveractutil -view*

### 3 How to enable FlexNet License Server in Engineering Base

Note: This description applies from version 6.3.3 incl. Hotfix 307.

Please start Engineering Base and select Help / Product Keys... (German: ? / Produktschlüssel...) in the main menu.

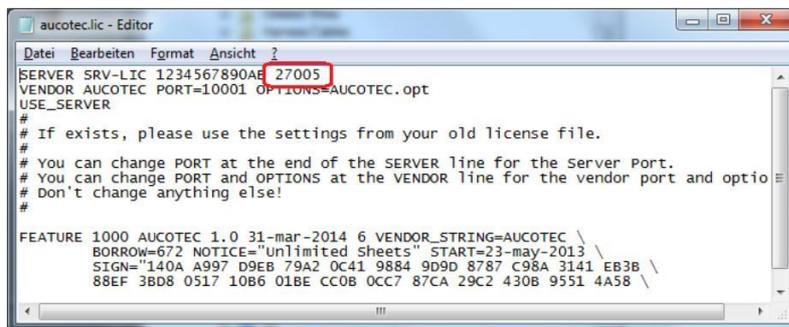


The screenshot shows a dialog box titled "Search license with". It contains four radio button options: "Automatic detection", "License server HASP SRM", "License server HASP HL", and "License server Flexera FlexNet (FNP)". The "License server Flexera FlexNet (FNP)" option is selected. Below the options is a text input field labeled "Use license server:". At the bottom, there is a checkbox labeled "Use token licensing" which is currently unchecked.

Select "License server Flexera FlexNet (FNP)". To get licenses from the license server the port and server name must be inserted into "Use license server:", e.g. 27005@licenseserver.

#### How to get the port?

The communication port can be configured in the license file "aucotec.lic".



The screenshot shows a text editor window titled "aucotec.lic - Editor". The content of the file is as follows:

```
Datei Bearbeiten Format Ansicht ?
SERVER SRV-LIC 1234567890AB 27005
VENDOR AUCOTEC PORT=10001 OPTIONS=AUCOTEC.opt
USE_SERVER
#
# If exists, please use the settings from your old license file.
# You can change PORT at the end of the SERVER line for the server port.
# You can change PORT and OPTIONS at the vendor port and optio
# Don't change anything else!
#
FEATURE 1000 AUCOTEC 1.0 31-mar-2014 6 VENDOR_STRING=AUCOTEC \
BORROW=672 NOTICE="unlimited Sheets" START=23-may-2013 \
SIGN="140A A997 D9EB 79A2 0c41 9884 9D9D 8787 C98A 3141 EB3B \
88EF 3BD8 0517 10B6 01BE CC0B 0CC7 87CA 29C2 430B 9551 4A58 \
```

The default value for the port is 27005.

Note:

- If you change the port the License Service must be restarted
- Make sure that the port is open

## The important Registry Keys

```
Windows Registry Editor Version 5.00
[HKEY_CURRENT_USER\Software\Aucotec\Engineering Base\6.3\Client\Registration]
"LicenseManager"="27005@licenseserver"
"DongleSearchType"=dword:00000005
"EnableFlexNet"=dword:00000001
```

## 4 Enable FlexNet in ELCAD

Note: This description applies from version 7.8.0 incl. SP 2.

All drivers are installed automatically with the ELCAD setup.

To enable FlexNet on a client please edit the aucotec.ini file in the user directory of ELCAD, e. g. "%LocalAppData%\aucotec\elcad\780".

Note: Stop ELCAD before editing the aucotec.ini!

Modify the corresponding values in the section Licence:

```
[Licence]
```

```
Mode=FlexNet
Server=27005@licenseserver
```

Mode : To use the FlexNet License Server  
Server : Port and Name of the License Server

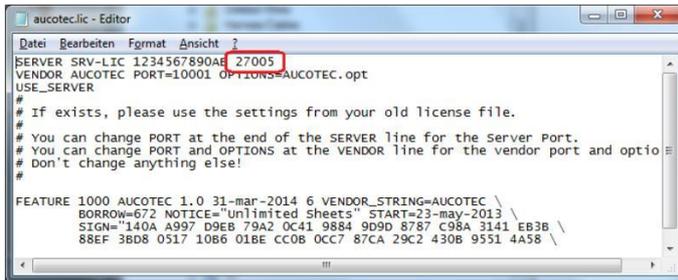
```
[Licence]
Mode=FlexNet
Server=27005@licenseserver
ELCAD_START=0
ELCAD_EDIT=0
ELCAD_COMPACT=0
ELCAD_COMPACT_PLUS=0
ELCAD_PLUS=0
ELCAD_PROF=1
```

aucotec.ini

Now the license will be used from the FlexNet License Server.

### How to get the port?

The communication port can be configured in the aucotec.lic file.



```
aucotec.lic - Editor
Datei Bearbeiten Format Ansicht ?
SERVER SRV-LIC 1234567890AB 27005
VENDOR AUCOTEC PORT=10001 OPTIONS=AUCOTEC.opt
USE_SERVER
#
# If exists, please use the settings from your old license file.
# You can change PORT at the end of the SERVER line for the Server Port.
# You can change PORT and OPTIONS at the Vendor line for the vendor port and optio
# Don't change anything else!
#
FEATURE 1000 AUCOTEC 1.0 31-mar-2014 6 VENDOR_STRING=AUCOTEC \
BORROW=672 NOTICE="Unlimited Sheets" START=23-may-2013 \
SIGN="140A A997 D9EB 79A2 0C41 9884 9D9D 8787 C98A 3141 EB3B \
88EF 3B08 0517 10B6 01BE CC0B 0CC7 87CA 29C2 430B 9531 4A58 \
```

The default value for the port is 27005.

Note:

- If you change the port the License Service must be restarted
- Make sure that the port is open

## 5 Enable FlexNet in RUPLAN

Note: This description applies from version 4.81.

To enable FlexNet on a client please edit the liz\_ini.dat file in the Conf directory of RUPLAN, e. q. "..\Ruplan\481\Conf".

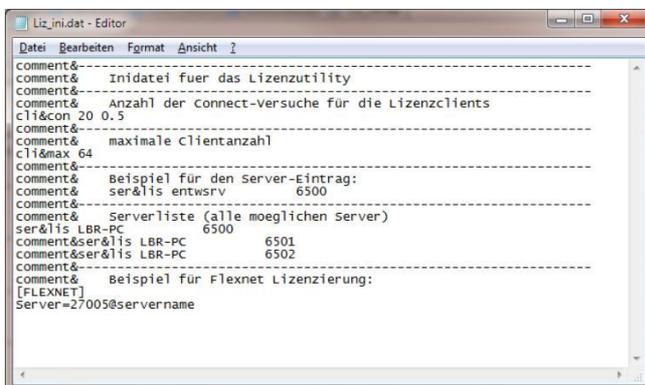
Note: Stop RUPLAN before editing the liz\_ini.dat!

Add the following two lines at the end of the file:

```
[FLEXNET]
```

```
Server=27005@servername
```

Server: Port and Name of the License Server.  
The default value for the port is 27005.

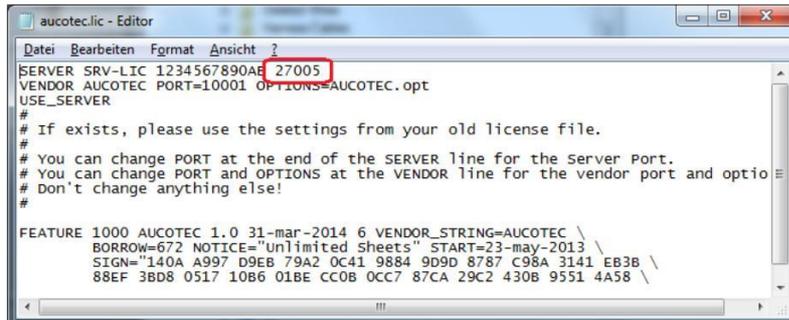


```
Liz_ini.dat - Editor
Datei Bearbeiten Format Ansicht ?
comment&-----
comment&  Inidatei fuer das Lizenzutility
comment&-----
comment&  Anzahl der Connect-Versuche fuer die Lizenzclients
cli&con 20 0.5
comment&-----
comment&  maximale clientanzahl
cli&max 64
comment&-----
comment&  Beispiel fuer den Server-Eintrag:
comment&  ser&lis entwsrv 6500
comment&-----
comment&  Serverliste (alle moeglichen Server)
ser&lis LBR-PC 6500
comment&ser&lis LBR-PC 6501
comment&ser&lis LBR-PC 6502
comment&-----
comment&  Beispiel fuer Flexnet Lizenzierung:
[FLEXNET]
Server=27005@servername
```

Now the license will be used from the FlexNet License Server.

## How to get the port?

The communication port can be configured in the aucotec.lic file.



```
aucotec.lic - Editor
Datei Bearbeiten Format Ansicht ?
SERVER SRV-LIC 1234567890AB 27005
VENDOR AUCOTEC PORT=10001 OPTIONS=AUCOTEC.opt
USE_SERVER
#
# If exists, please use the settings from your old license file.
#
# You can change PORT at the end of the SERVER line for the Server Port.
# You can change PORT and OPTIONS at the VENDOR line for the vendor port and optio
# Don't change anything else!
#
FEATURE 1000 AUCOTEC 1.0 31-mar-2014 6 VENDOR_STRING=AUCOTEC \
BORROW=672 NOTICE="unlimited Sheets" START=23-may-2013 \
SIGN="140A A997 D9EB 79A2 0C41 9884 9D9D 8787 C98A 3141 EB3B \
88EF 3BD8 0517 10B6 01BE CC0B OCC7 87CA 29C2 430B 9551 4A58 \
```

The default value for the port is 27005.

Note:

- If you change the port the License Service must be restarted
- Make sure that the port is open

## 6 How to update FlexNet License Server

Please follow the next steps:

1. Open the command prompt **as Administrator** and change to the FlexLM directory:  
e.g. `cd "c:\FlexLM_AUCOTEC"`
2. Stop the License Service:  
`net stop "FLEXlm License Manager AUCOTEC"`
3. Uninstall the old License Service  
`installs -r -n "FLEXlm License Manager AUCOTEC"`
4. Uninstall the old Anchorservice  
`uninstallanchorservice.exe AUCOTEC AUCOTEC -force`
5. Move all files from this directory to a "Backup" directory.
6. Copy all files from the downloaded zip folder to the directory c:\FlexLM\_AUCOTEC.
7. Copy the files aucotec.lic and aucotec.opt from the "Backup" directory to the directory c:\FlexLM\_AUCOTEC. If necessary, overwrite the existing files.

8. Install the License Manager Service:
  - a. Insert the following command and press Enter:  
*installanchorservice.exe AUCOTEC AUCOTEC*
  - b. Insert the following command and press Enter:  
*Installs -c c:\FlexLM\_AUCOTEC\aucotec.lic -e c:\FlexLM\_AUCOTEC\mgrd.exe -l c:\FlexLM\_AUCOTEC\aucotec.log -n "FLEXlm License Manager AUCOTEC"*
9. Open the dialog for the Services and select the Service "FLEXlm License Manager AUCOTEC". Open the Properties of the Service.  
Change to the Logon tab and change the settings to Local System.
10. Start the License Manager Service:  
*net start "FLEXlm License Manager AUCOTEC"*

Now the licenses can be used again.