



# VDAFS-PROCESSOR V 1.X.X

for CATIA® V5

## INSTALLATION GUIDE



## Symbols used in the manual

For better orientation in the manual the following symbols are used:

### Warning triangle



The warning triangle refers to *critical circumstances*, which should be considered *imperatively* in order to avoid *serious* problems in your work.

### Hint symbol



The light bulb relates to *hints*, which provide you with practical examples to simplify your work.

### Note symbol



The hand symbol relates to *notes*, which you should pay attention to in order to assure that you can *work without problems*.

### Info symbol



The info symbol relates to background *information*.

### Step symbol



The work steps symbol refers to a *step-by-step instruction* sheet.

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\* \* \*

# 1. Software and Hardware Requirements

| Hardware:  | CATIA:   |
|--|--|
| <ul style="list-style-type: none"> <li>• PC</li> <li>• IBM</li> <li>• HP</li> <li>• SUN</li> </ul>   | <p>All CATIA platforms (P1, P2 and P3) are supported.</p> <p>Minimum required version: V5 R16</p>  |
| <b>Operation systems</b><br>(minimal required versions):   | <p>Depending on the CATIA platform, the following CATIA configuration packages must be installed and the following licenses must be available:</p>   |
| <ul style="list-style-type: none"> <li>• WINDOWS 2000/XP</li> <li>• AIX 5.1; 5.2; 5.3</li> <li>• HP-UX 11.11</li> <li>• SOLARIS 2.8</li> </ul> | <p>CATIA P1 platform:</p> <ul style="list-style-type: none"> <li>• All configuration packages.</li> <li>• At least, MD1 license.</li> </ul> <p>CATIA P2 platform:</p> <ul style="list-style-type: none"> <li>• At least E12 + MD2 + PM2 + SA2 configurations and PX1 product.</li> <li>• At least, MD2 license.</li> </ul> <p>CATIA P3 platform:</p> <ul style="list-style-type: none"> <li>• On request.</li> </ul> |

## Additionally required software

### ADOBE ACROBAT READER (minimal required version 5.0)

The ACROBAT READER is required to browse the VDAFS online-help.

To determine if you have ADOBE ACROBAT READER installed on your UNIX system, enter the following command:

```
which acroread
```

This command displays the directory where ADOBE ACROBAT READER is installed.

## Supported Standards:

VDA-Surface Data Interface (VDAFS) Version 2.0

## 2. Installing and Uninstalling under WINDOWS

### 2.1 Installing



Steps:

To install VDAFS PROCESSOR, follow these steps:

- (1) Insert the VDAFS PROCESSOR CD-ROM in the CD-ROM drive.
- (2) Start the installation routine in WINDOWS Explorer, double-clicking on the file name `setup.exe`.
- (3) Follow the installation instructions, edited on the display.

### 2.2 Uninstalling



Steps:

To uninstall VDAFS PROCESSOR, follow these steps::

- (1) Click in the WINDOWS taskbar on the Start button and select the menu item:  
*Settings > Control Panel > Add/Remove Programs.*
- (2) Select there VDAFS PROCESSOR, and click on the *Change/Remove* button.

- **Manual VDFAS installation using zip file**



If you don't want to install VDAFS via `setup.exe`, as described above, you can as an alternative make a manual installation, using zip file. This might be necessary e. g. in case of server installation. Further information about this installation you can find in the document `Product_Installation_using_ZIP-archive.pdf`, that you can find on the (Q-CHECKER) download site

[http://www.transcat-plm.com/tcsoft/downloads/q-checker\\_v5.html](http://www.transcat-plm.com/tcsoft/downloads/q-checker_v5.html) .

## 3. Installation under UNIX

### 3.1 Unpacking Files



Steps:

The unpacking operation comprises three steps. Depending on the format of your files, the steps (1) and/or (2) can be skipped.

(1) In case you have a `tcvdafsv5_xxx.tar` file<sup>2</sup>, proceed as follows:

| Action          | OS <sup>1</sup> | Example  |
|-----------------|-----------------|--|
| Rename TAR file | *               | <code>mv tcvdafsv5_xxx.tar tcvdafsv5_xxx.tar.Z</code> <sup>2</sup> |

(2) In case you have a compressed and packed `tcvdafsv5_xxx.tar.Z` file<sup>2</sup>, proceed as follows:

| Action  | OS <sup>1</sup> | Example   |
|---|-----------------|---|
| Copy the TAR-archive into a installation directory of choice. | *               | <code>cp tcvdafsv5_xxx.tar.Z /catdat/tcsoft</code> <sup>2</sup> |
| Change directory to the installation directory                | *               | <code>cd /catdat/tcsoft</code>                                  |
| Unpack the archive file                                       | *               | <code>zcat tcvdafsv5_xxx.tar.Z   tar -xvf -</code> <sup>2</sup> |

(3) In case you have a compressed and packed `tcvdafsv5_xxx.tar.gz` file<sup>2</sup>, proceed as follows:

| Action  | OS <sup>1</sup> | Example  |
|---|-----------------|--|
| Copy TAR-archive into a installation directory of choice of choice. | *               | <code>cp tcvdafsv5_xxx.tar.gz /catdat/tcsoft</code> <sup>2</sup>       |
| Change directory to the installation directory                      | *               | <code>cd /catdat/tcsoft</code>   |
| Unpack the archive file   | *               | <code>gzip -d -c tcvdafsv5_xxx.tar.gz   tar -xvf -</code> <sup>2</sup> |

Note:

<sup>1</sup> \* stands for every CATIA UNIX operation system

<sup>2</sup> xxx stands for the current version number.

## 3.2 The Created Directory Structure

| Directory  | OS <sup>1</sup>  | Example  |
|--|------------------|--|
| tcvdafsv5_xxx/load/aix_a<br>tcvdafsv5_xxx/load/hpux_b<br>tcvdafsv5_xxx/load/solaris_a                                  | AIX<br>HP<br>SUN | Program modules and message files                |
| tcvdafsv5_xxx/load/aix_a/doc/German<br>tcvdafsv5_xxx/load/hpux_b/doc/German<br>tcvdafsv5_xxx/load/solaris_a/doc/German | AIX<br>HP<br>SUN | Product documentation in PDF-format in German    |
| tcvdafsv5_xxx/load/aix_a/doc<br>tcvdafsv5_xxx/load/hpux_b/doc<br>tcvdafsv5_xxx/load/solaris_a/doc                      | AIX<br>HP<br>SUN | Product documentation in PDF format in English   |
| tcvdafsv5_xxx/readme.txt   | *                | Latest program information and changes           |
| tcvdafsv5_xxx/TCVdafsV5Env.csh   | *                | C shell script to extend an existing environment |
| tcvdafsv5_xxx/TCVdafsV5Env.sh  | *                | Shell script to extend an existing environment   |
| tcvdafsv5_xxx/TCVdafsV5SetEnv.sh   | *                | Shell script to create a new environment         |

Note:

<sup>1</sup> \* stands for every CATIA UNIX operation system

<sup>2</sup> xxx stands for the current version number.

## 3.3 Adapting VDAFS PROCESSOR to the Local CATIA Installation

There are two ways to adapt VDAFS PROCESSOR to the local CATIA installation:

- (1) Creating a new CATIA environment with automatic creation of a CATIA-VDAFS-Processor icon in the application manager (see chapter 3.3.1)—recommended.
- (2) Extending an existing CATIA environment (see chapter 3.3.2).

### 3.3.1 Creating a New CATIA Environment

To create a new CATIA environment with VDAFS PROCESSOR the shell script `TCVdasfsV5SetEnv.sh` is delivered.

In the following, you will find an excerpt from this file. Adapt in this file the passages marked **gray** to the realities of your local VDAFS PROCESSOR installation. Further information to this subject you can find in the following subchapters.

```

...
# environment name
#-----
TCVDAFSV5_ENV="CATIA_TCVDAFSV5R16"
#
# batch script path/name
#-----
TCVDAFSV5_BATCH="./vdafs5r16"
#
# existing directory for environment
#-----
TCVDAFSV5_ENV_PATH="${HOME}/CATEnv"
#
# TC VdafsV5R16 directory (where aix_a ... is)
#-----
TCVDAFSV5_INSTALLATION="/catdat/tcsoft/tcvdafsv5r16"
#
# Catia installation directory
#-----
CATIA_INSTALLATION="/usr/catiav5r16/B16"
#
# Pdf Viewer for user-manual
#-----
TCVDAFSV5_PDFVIEWER="acroread"
#
# get os dependent path
#-----
export OSDS=`${CATIA_INSTALLATION}/GetOSDS`
#
# User manual directory
#-----
TCVDAFSV5_MANUALDIR="${TCVDAFSV5_INSTALLATION}/load/${OSDS}/doc"
#
# Viewer for protocol file
#-----
TCVDAFSV5_PRTVIEWER="${TCVDAFSV5_INSTALLATION}/nedit/${OSDS}/nedit"
...

```

```

...
setcatenv                -e $ TCVDAFSV5_ENV
                        -d $ TCVDAFSV5_ENV_PATH
                        -p $CATIA_INSTALLATION:$TCVDAFSV5_INSTALLATION/load
                        -new yes
                        -desktop yes
                        -a global \
&& change_cat_env || echo "\aCreating the environment failed."

```

### 3.3.1.1 Adapting the Declarations to the Existing Directories

Adapt the following VDAFS PROCESSOR variables to your local directory structure. The specifications in the example above are only an example.

| Variable name          | Explanation   |
|------------------------|---|
| TCVDAFSV5_ENV          | Name of the new CATIA environment                               |
| TCVDAFSV5_BATCH        | Name and path to call VDAFS PROCESSOR without interactive CATIA |
| TCVDAFSV5_ENV_PATH     | Path where the CATIA environment file is created                |
| TCVDAFSV5_INSTALLATION | Path, where VDAFS PROCESSOR is installed                        |
| CATIA_INSTALLATION     | Path, where CATIA V5 is installed                               |
| TCVDAFSV5_PDFVIEWER    | Call for the PDF file viewer                                    |
| TCVDAFSV5_MANUALDIR    | Directory of the user manual file                               |
| TCVDAFSV5_PRTVIEWER    | Call for the text file viewer                                   |

As TCVDAFSV5\_PRTVIEWER can be used any text-file editor, opening a separate window. In order to edit the text with a clear structure, a monospace font must be used (i. e. a font, where all characters have the same width).

### 3.3.1.2 Specifying the Action Options

To generate CATIA environments, different options are available:

| Variable | Value  | Description   |
|----------|--------|---|
| -new     | yes    | An already existing environment with the same name will be overwritten. (Recommended)                                     |
|          | no     | An already existing environment with the same name will not be overwritten, the existing environment remains.             |
| -desktop | yes    | A desktop icon of the environment is generated. (Recommended)   |
|          | no     | No desktop icon of the environment is generated.  |
| -a       | global | A global environment will be created.<br>Note:<br>To create a global environment, you must have the administrator rights. |
|          | user   | A user environment will be created.   |

### 3.3.1.3 Creating an Environment



To create the above defined CATIA environment, execute the `TCVdafsV5SetEnv.sh` shell script.

|                                      | OS <sup>1</sup> | Example                                      |
|--------------------------------------|-----------------|--|
| (1) Go to the installation directory | *               | <code>cd /catdat/tcsoft/tcvdafsV5_xxx</code> |
| (2) Execute the script               | *               | <code>./ TCVdafsV5SetEnv.sh</code>           |

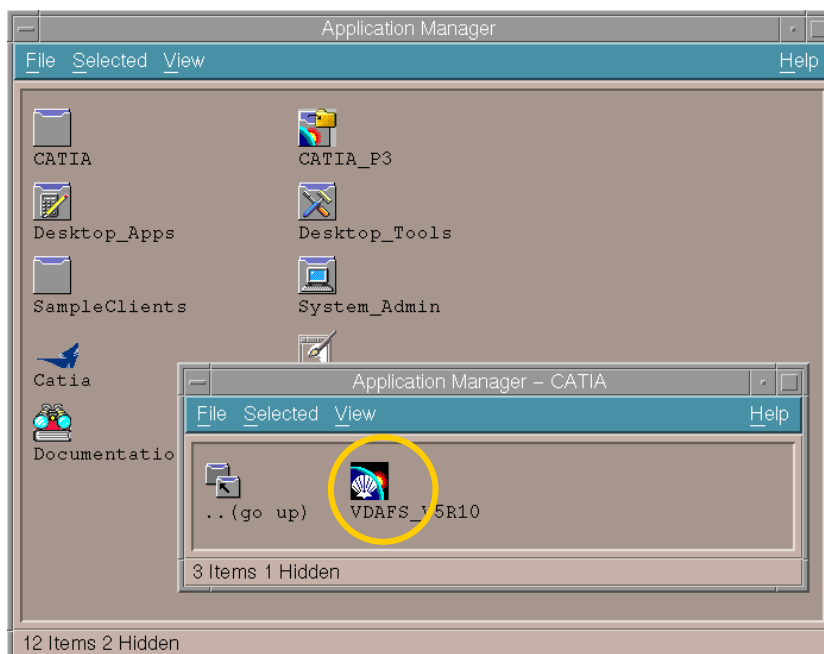


#### *ATTENTION:*

To create a global environment, you must have administrator rights.

#### *NOTE:*

The CATIA—VDAFS PROCESSOR icon (see the following screenshot) is displayed in the *my\_CATIA* folder of the Application Manager only after re-log in.



### 3.3.1.4 Example of a CATIA Environment File

```

!-----
!   DASSAULT SYSTEMES - V5 ENVIRONMENT FILE
!-----
! MODE : Global
! TYPE : CATIA
! TMSTMP : 1179298808
!-----

CATEnvironment=/catia5/R17/$OSDS:/catdat/tcsoft/vdafs/load/$OSDS
CATInstallPath=/catia5/R17/$OSDS:/catdat/tcsoft/vdafs/load/$OSDS
LIBPATH=/catia5/R17/$OSDS/code/bin:/catdat/tcsoft/vdafs/load/$OSDS/code/bin:$LIBPATH
LD_LIBRARY_PATH=/catia5/R17/$OSDS/code/bin:/catdat/tcsoft/vdafs/load/$OSDS/code/bin:$LD_LIBRARY_PATH
LD_LIBRARYN32_PATH=/catia5/R17/$OSDS/code/bin:/catdat/tcsoft/vdafs/load/$OSDS/code/bin:$LD_LIBRARYN32_PATH
SHLIB_PATH=/catia5/R17/$OSDS/code/bin:/catdat/tcsoft/vdafs/load/$OSDS/code/bin:$SHLIB_PATH
CATICPath=/catia5/R17/$OSDS/code/productIC:/catdat/tcsoft/vdafs/load/$OSDS/code/productIC
CATCommandPath=/catia5/R17/$OSDS/code/command:/catdat/tcsoft/vdafs/load/$OSDS/code/command
CATDictionaryPath=/catia5/R17/$OSDS/code/dictionary:/catdat/tcsoft/vdafs/load/$OSDS/code/dictionary
CATDocView=/catia5/R17/$OSDS/doc:/catdat/tcsoft/vdafs/load/$OSDS/doc
CATReffilesPath=/catia5/R17/$OSDS/reffiles:/catdat/tcsoft/vdafs/load/$OSDS/reffiles
CATFontPath=/catia5/R17/$OSDS/resources/fonts:/catdat/tcsoft/vdafs/load/$OSDS/resources/fonts
CATGalaxyPath=/catia5/R17/$OSDS/resources/galaxy:/catdat/tcsoft/vdafs/load/$OSDS/resources/galaxy
CATGraphicPath=/catia5/R17/$OSDS/resources/graphic:/catdat/tcsoft/vdafs/load/$OSDS/resources/graphic:/catia5/R17
/$OSDS/resources/graphic/icons:/catdat/tcsoft/vdafs/load/$OSDS/resources/graphic
/icons:/catia5/R17/$OSDS/resources/graphic/figures:/catdat/tcsoft/vdafs/load/$O
SDS/resources/graphic/figures:/catia5/R17/$OSDS/resources/graphic/splashscreens
:/catdat/tcsoft/vdafs/load/$OSDS/resources/graphic/splashscreens:/catia5/R17/$O
SDS/resources/graphic/symbols:/catdat/tcsoft/vdafs/load/$OSDS/resources/graphic/
symbols:/catia5/R17/$OSDS/resources/graphic/textures:/catdat/tcsoft/vdafs/load/
$OSDS/resources/graphic/textures
CATMsgCatalogPath=/catia5/R17/$OSDS/resources/msgcatalog:/catdat/tcsoft/vdafs/load/$OSDS/resources/msgcatalog
CATFeatureCatalogPath=/catia5/R17/$OSDS/resources/featurecatalog:/catdat/tcsoft/vdafs/load/$OSDS/resources/featur
ecatalog
CATDefaultCollectionStandard=/catia5/R17/$OSDS/resources/standard:/catdat/tcsoft/vdafs/load/$OSDS/resources/stand
ard
CATKnowledgePath=/catia5/R17/$OSDS/resources/knowledge:/catdat/tcsoft/vdafs/load/$OSDS/resources/knowledge
CATStartupPath=/catia5/R17/$OSDS/startup:/catdat/tcsoft/vdafs/load/$OSDS/startup
CATW3ResourcesPath=/catia5/R17/$OSDS/docs:/catdat/tcsoft/vdafs/load/$OSDS/docs
CATReconcilePath=
USER_HOME=$HOME
CATReferenceSettingPath=
CATUserSettingPath=\$USER_HOME/CATSettings
CATCollectionStandard=
CATTemp=\$USER_HOME/CATTemp
CATMetasearchPath=/tmp
CATW3PublishPath=/tmp
CATSharedWorkbookPath=/tmp
CATErrorLog=\$USER_HOME/CATTemp/error.log
CATReport=\$USER_HOME/CATReport
CATDisciplinePath=
JAVA_HOME_aix_a=$JAVA_HOME
JAVA_HOME_aix_a64=$JAVA_HOME
JAVA_HOME_iris_a=$JAVA_HOME
JAVA_HOME_hpux_b=$JAVA_HOME
JAVA_HOME_solaris_a=$JAVA_HOME
JAVA_HOME=\$JAVA_HOME_$OSDS
CLASSPATH_JDBC_aix_a=
CLASSPATH_JDBC_aix_a64=
CLASSPATH_JDBC_iris_a=
CLASSPATH_JDBC_hpux_b=
CLASSPATH_JDBC_solaris_a=
CLASSPATH=\$CLASSPATH_JDBC_$OSDS:$CLASSPATH
PATH=/catia5/R17/$OSDS/code/bin:/catdat/tcsoft/vdafs/load/$OSDS/code/bin:/catia5/R17/$OSDS/code/command:/catdat/tcsoft/vdafs/load
/$OSDS/code/command:$JAVA_HOME/bin:$PATH

TCVPATH=/catdat/tcsoft/vdafs
TCAVDAEDITOR=/catdat/tcsoft/vdafs/nedit/$OSDS/nedit
TCAVDAACRORD=acoread
TCAVDADOCPTH=/catdat/tcsoft/vdafs/doc

```

### 3.3.2 Extending an Existing CATIA Environment

To extend an existing CATIA environment, with the VDAFS PROCESSOR the shell scripts `TCVdafsv5Env.sh` or `TCVdafsv5Env.csh` are delivered.

In the following, we give an extract of this file. Adapt in this file the passages marked **gray** to your local VDAFS PROCESSOR installation. For further information to this subject, please refer to the following subchapters.

```
set +u

TCVPATH=/catdat/tcsoft/tcvdafsv5r16
\export TCVPATH

TCVCAA=$TCVPATH/load/$OSDS
\export TCVCAA

TCAVDAEDITOR=$TCVPATH/nedit/$OSDS/nedit
\export TCAVDAEDITOR

TCAVDAACRORD=acroread
\export TCAVDAACRORD

TCAVDADOCPTH=$TCVCAA/doc
\export TCAVDADOCPTH

CATEnvironment=$TCVCAA:$CATEnvironment
\export CATEnvironment
```

#### 3.3.2.1 Adapting the Declarations to the Existing Directories

The values in the example file above are given only as an example; please adapt them to realities of your local installation.

| Variable name | Explanation   |
|---------------|---|
| TCVPATH       | Path, where VDAFS PROCESSOR is installed                  |
| TCAVDAEDITOR  | Call for the text file viewer                             |
| TCAVDAACRORD  | Call for the PDF file viewer                              |
| TCAVDADOCPTH  | Path, where the VDAFS PROCESSOR documentation is situated |

### 3.3.2.2 Starting CATIA with the VDAFS PROCESSOR Environment



To integrate VDAFS PROCESSOR in an already existing CATIA environment, you have to start CATIA as follows:

| Step  | OS <sup>1</sup> | Example   |
|---|-----------------|---|
| (1) Set CATIA environment (here: CATIA default environment) | *               | <code>./home/root/CATEnv/CATIA_P3.V5R9.B09.sh</code>                    |
| (2) Set VDAFS PROCESSOR environment                         | *               | <code>./catdat/tcsoft/tcvdafsv5_xxx/TCVdafsV5Env.sh</code> <sup>2</sup> |
| (3) Start CATIA   | *               | CNEXT   |

**Note:**

<sup>1</sup> \* stands for every CATIA UNIX operation system

<sup>2</sup> xxx stands for the current version number.

## 4. Installation of License Password

TRANSCAT PLM uses for Q-CHECKER the license system *LUM*, which is also used for CATIA licensing. TRANSCAT PLM offers two types of licenses:

| License type      | Description  |
|-------------------|--|
| <i>Nodelock</i>   | License for on one only computer (license bound to the CPU-ID)   |
| <i>Concurrent</i> | License is available in the network. A license server is needed. |



### NOTE:

A license can be entered:  
 on a UNIX workstation only by the root-user,  
 on PC only by users, having administrator rights.

### 4.1 License Request

To ensure a fast and errorless processing of your license request, we ask you to request your license on the following website:

<http://www.transcat-plm.com/lizenz>

The CPU-ID will be output if you enter one of the following commands:

| Platform                      | Command  | Example of a CPU-ID                      |
|-------------------------------|--|--|
| AIX                           | <code>uname -m</code>                              | 009481814C00                             |
| AIX on p5-Series Workstations | <code>/usr/opt/ifor/ls/bin<br/>/i4target -O</code> | 9481768C                                 |
| IRIX (FLEXlm host ID)         | <code>lmhostid</code>                              | 6909b894                                 |
| HP-UX (Permanent Target ID)   | <code>/var/lum/i4target</code>                     | ffff28ea                                 |
| SOLARIS                       | <code>hostid</code>                                | 807fe3ee                                 |
| WINDOWS (win32mac)            | <code>i4target</code>                              | 5DDE26F2                                 |
| LINUX (MAC/LLA Address)       | <code>i4target -O</code>                           | 557cd770                                 |
| CLUSTER                       | <code>i4blt -H s -N<br/>cluster_name</code>        | 9c1bb2a7e1a8.8d.41.d1.9c.4c<br>.00.00.00 |

## 4.2 Installation of Nodelock Licenses

In the `nodelock` file, the *Nodelock* password must be entered, using a text editor. The `nodelock` file is situated platform-depending in one of the following directories:

|                  |   |
|------------------|---|
| IBM:             | /var/ifor   |
| HP:              | /var/lum  |
| SUN:             | /var/lum  |
| WINDOWS 2000/XP: | c:\Documents and Settings\All<br>Users\Application Data\IBM\LUM |



### Enrolling a nodelock license under UNIX

| Action                                    | OS <sup>1</sup> | Entries  |
|---|-----------------|--|
| (1) Log in as root user                   | *               | su - root  |
| (2) Go to the password directory          | AIX             | cd /var/ifor   |
|   | HP              | cd /var/lum  |
|   | SUN             | cd /var/lum  |
| (3) Create or edit the nodelock file      | *               | vi nodelock  |
| (4) Add new lines at the end (vi command) | *               | <ESC>Go  |
| (5) Enter the password text               | *               | (see section "Inserting password text"<br><a href="#">below</a> the table) |
| (6) Save the file (vi command)            | *               | <ESC>wq  |
| (7) Specify the file permissions          | *               | chmod 644 nodelock   |

Note:

<sup>1</sup> \* stands for every CATIA UNIX operation system

### Inserting password text

In the license e-mail from TRANSCAT PLM, you will find a text analog to that in the following example:

Copy the following 2 lines into your `nodelock` file:

```
# TransCAT: TC-qcheckerV5, Version 1.x, gueltig bis 31.12.2037
7db765b90080.02.81.96.00.18.00.00.00 64tkq3wfxi2gzci5j7t8p49keaa " " "1"
```

To enter the password in the file, copy these two lines beginning from the # sign (and including it) to your `nodelock` file.



## Enrolling a Nodelock license under WINDOWS

To enroll *nodelock* licenses under WINDOWS, open in the password directory (see on the [top of this chapter](#)) the `nodelock` file with any editor (e.g. WordPad).

If no `nodelock` file does yet exist, it must be created with an editor. Insert in the `nodelock` file the password text as described above for UNIX.



### NOTE:

The `nodelock` file has no name extension—neither under UNIX nor under WINDOWS. Most of editors automatically add to the file name an extension (e.g. `.txt`). If an extension has been added, it must be deleted—otherwise the file will be inoperative.

## 4.3 Installation of Concurrent Licenses

Concurrent licenses are generated for a specific license-server and are bound to its CPU ID.

The prerequisite is that a *LUM* license manager is installed, configured and active, so that you can enter the concurrent password text. To enroll the license keys of the *Concurrent* type, you can use: the *i4blt command line interface* (in all platform cases) or the *Graphic User Interface* (since LUM version 4.6.5 for WINDOWS and all UNIX platforms, previous LUM versions only for AIX and WINDOWS).

For detailed information see your LUM documentation—chapter 6 "Using License Use Management Runtime" which is delivered with your operating system.



### NOTE:

A license can be entered  
on a UNIX workstation only by the root user,  
on PC only by users, having administrator rights.

The tools and entries for the license manager are located in the following directories:

| Operating System  | Directory   |
|-------------------|---|
| IBM (AIX)         | /usr/opt/ifor/bin   |
| HP (HP-UX)        | /var/lum  |
| SGI (IRIX)        | /var/lum  |
| SUN (SOLARIS)     | /var/lum  |
| WINDOWS (2000/XP) | X:\ifor\WIN\BIN (X is the drive, on which LUM is installed) |

## Enrolling a *Concurrent* license

For the registration the following possibilities are available.

- **Automatic registration**

If you have got the license certificate as attachment, we recommend the automatic registration. In order to install the license, store the license file in a directory of your choice on the LUM server. Then enter the following command:

| Command              | Description   |
|----------------------|---|
| i4blt -a -f filename | 'filename' stands for to the path and name of the license file. |

- **Registration using the IMPORT function of the GUI i4blt version**

Alternatively, the license certificate file also can be read in and registered, after starting the *GUI i4blt* version, by the means of the IMPORT function.



### STEPS

- (1) Start *i4blt* Tool
- (2) Select menu item '*Products*' and go to submenu '*single product ...*'.
- (3) In the *Enroll Product* window press the *Import* key.
- (4) In the following *IMPORT* window select the *license certificate* and confirm with '*OK*'.
- (5) Return to the *Enroll Product* window and conclude the registration by pressing the *OK* button.

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