



**Q-CHECKER<sup>®</sup> V 2.2.x**

for CATIA<sup>®</sup> V5

# INSTALLATION MANUAL



## Symbols Used in the Manual

The following symbols are used in this guide; they should allow you to navigate throughout the text with greater ease:

### Warning triangle



The warning triangle refers to *critical circumstances*, which should be considered in order to avoid any 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 refers to *note*, which you should bear in mind, in order to work without problems.

### Work steps' symbol



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

TRANSCAT PLM in the Internet:

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

Q-CHECKER in the Internet:

<http://www.q-checker.com>

Q-CHECKER Hotline:

Phone: +49 721 970 43 100

E-mail: [q-checker@transcat-plm.com](mailto:q-checker@transcat-plm.com)

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\* \* \*

# 1. Software and Hardware Requirements

Hardware:	CATIA:
<ul style="list-style-type: none"> <li>• PC</li> <li>• IBM RS/6000</li> <li>• HP</li> <li>• SGI</li> <li>• SUN</li> </ul>	<p>All CATIA platforms (P1, P2 and P3) are supported.</p>
<p><b>Operation system:</b> (minimal requirements):</p>	<p>Minimal required version: V5 R16</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</li> <li>• IRIX 6.5.16m</li> <li>• SOLARIS 2.8</li> </ul>	<p>Depending on the CATIA platform, the following CATIA configuration packages must be installed and the following licenses must be available:</p>
	<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 EI2 + MD2 + PM2 + SA2 configuration packages 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>
	<p>To be able to execute the Q-CHECKER <i>MML (Multi-Model Link) Reference Not Published</i> criterion, a PX1 license is required.</p>

## Additionally required software

- MOZILLA, NETSCAPE NAVIGATOR or MICROSOFT INTERNET EXPLORER

On of these Internet browsers is required to browse Q-CHECKER HTML reports and detailed criteria background help.

- ADOBE ACROBAT READER (minimum required version 4.0)

ACROBAT READER is necessary to browse Q-CHECKER online help.

## Supported Standards:

- VDA-Recommendation VDA-4955/2

## 2. Installing and Uninstalling under WINDOWS

### 2.1 Installing



Steps:

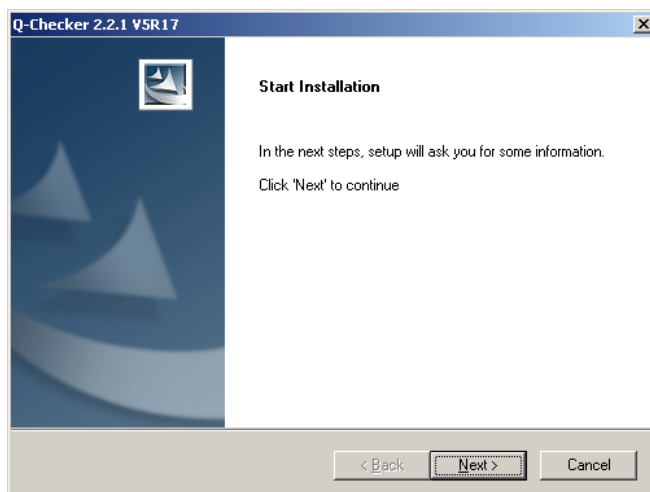
To install Q-CHECKER, follow these steps:

- (1) Insert the Q-CHECKER CD-ROM in your CD-ROM drive.
- (2) Start the installation by double-clicking on the file name  
CDROM:\qcheckerV5Rxx\_221\_setup.exe (32 bit version) or  
CDROM:\qcheckerV5RxxB64\_221\_setup.exe (64 bit-Version)  
respectively.
- (3) Follow the installation instructions edited on the screen.

The different installation dialog boxes will be described below.

#### • Starting the installation

After starting the setup file; the following "Welcome" screen will be displayed.



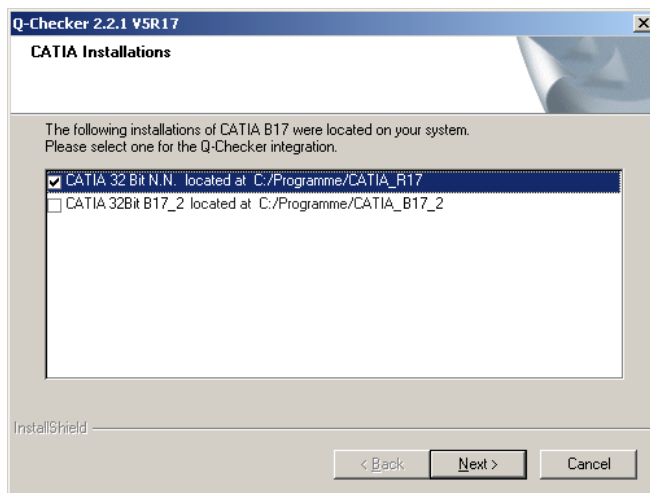
To continue the installation, click after every step the *Next* button.

To abort the installation, click the *Cancel* button.

The installation can be aborted at every one of the installation steps by clicking the *Cancel* button; all installation settings made before will be undone. By clicking on the *Back* button you can (starting from step 2 window) return to the preceding steps and can modify afterwards the settings made before.

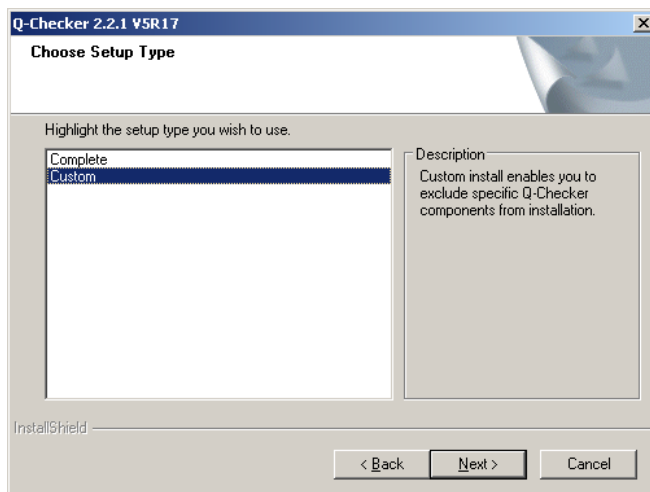
## • Selecting the CATIA version

The installation program finds out which versions of the respective CATIA release are installed on the computer. Select the required version.

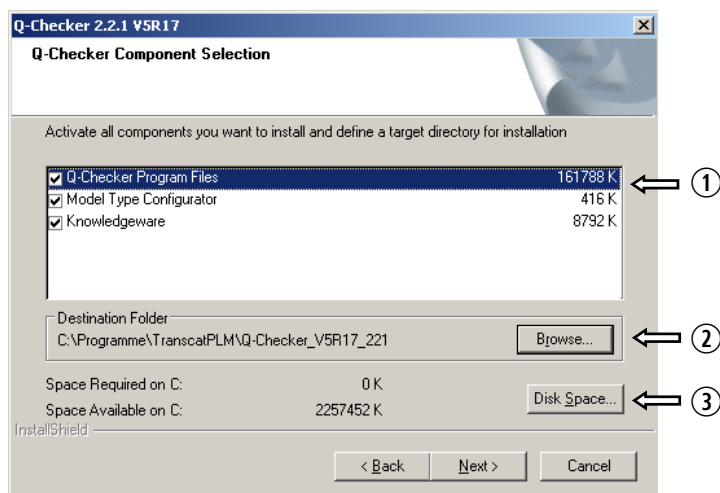


## • Selecting the installation extend

Select whether you wish to execute a complete or a custom installation.



If you select “custom”, you have to select which components are to install.

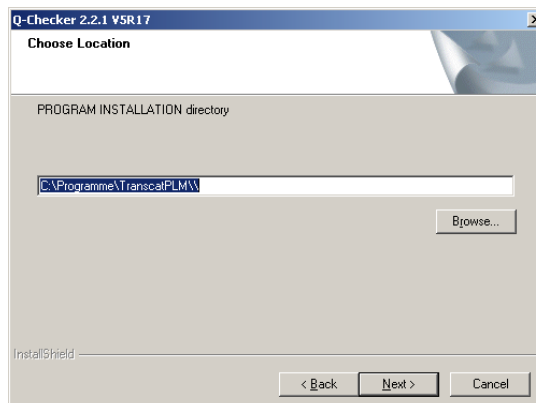


- ① Select the program components to install:
  - Q-Checker Program Files Q-CHECKER itself
  - Model Type Configurator For description see Q-CHECKER V5 ADMINISTRATION MANUAL—section „Model-type recognition by feature attribute ( FEATURE\_ATTRIBUTE )”—article “Adding and modifying root-feature attributes and parameters”.
  - Knowledgeware Files ensuring the knowledgeware integration (plug-in capability)—see in Q-CHECKER V5 ADMINISTRATION MANUAL the section “Plug-ins”.
- ② On the left side the default installation directory of Q-CHECKER is displayed. After pressing the *Browse* button, a selection window is opened where it is possible to modify the directory, in which Q-CHECKER and its components are to be installed.
- ③ On the left side, the free disk space on the drive selected under ② is displayed. By pressing the *Disk Space* button a selection box is opened allowing to verify how much disk space is available on other drives.

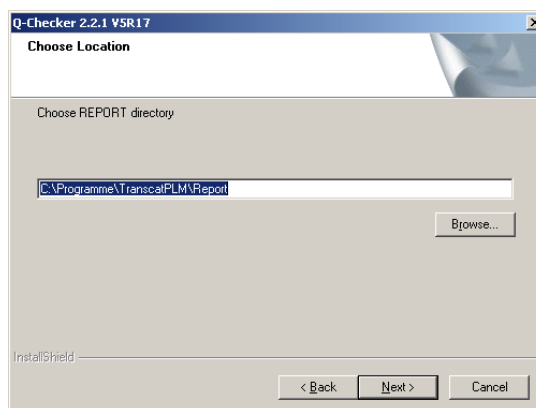
## • Selecting the installation directory for the program files

Specify the installation directory where do you want to install the Q-CHECKER files:

- For Q-CHECKER itself (This window will not be opened in case of custom installation, the Q-CHECKER installation directory in this case already being selected.)



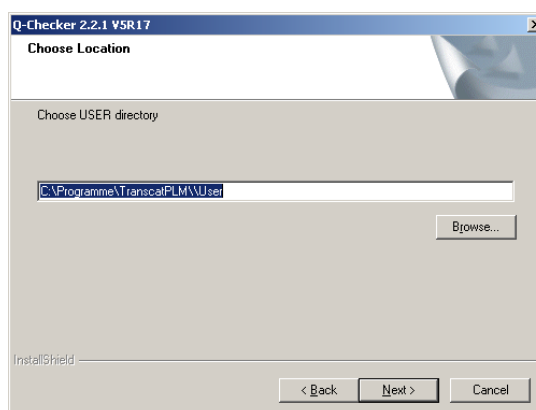
- for Q-CHECKER report files



Note:

This path may be modified afterwards in the CATIA environment file (variable QCADMIN).

- the Q-CHECKER user files



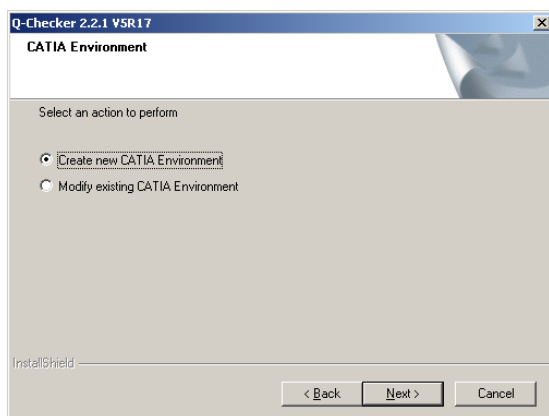
Note:

This path may be modified afterwards in the CATIA environment file (variable QCUSER).

## • Setting the CATIA environment

To make Q-CHECKER available in CATIA, a CATIA environment must be prepared. To do this, in the „CATIA Environment“ dialog box, there can be chosen between two alternatives:

- Creating a new environment (recommended), or
- Adapting an existing environment in order to integrate Q-CHECKER in it.



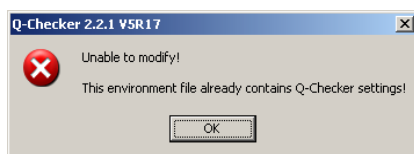
If here is selected “Modify existing CATIA environment“, a file selection window will be opened with the environment directory displayed, that is preselected on your computer for the respective CATIA version. (Example: If you are installing Q-CHECKER for CATIA R16, the environment preselected for CATIA R16 will be opened.) If your environment files are saved in an other directory, open this directory. Select now the CATIA environment file that you want to modify for the work with Q-CHECKER, and click than the *Open* button. After this, the selected CATIA environment file will be adapted automatically.



When the installation is accomplished, it is recommended to check up the adapted CATIA environment.

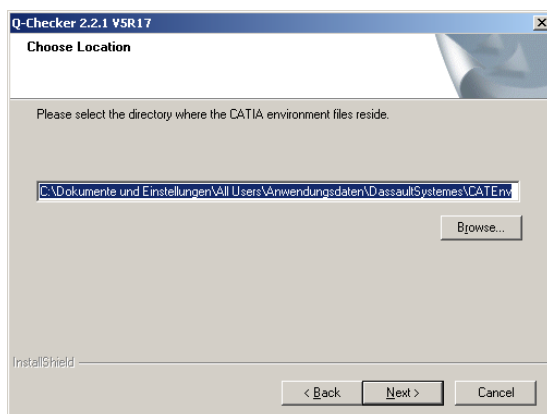
Reason: Some circumstances (write protection, very complex CATIA environment etc.) might have affected the adaptation.

Modifications can be made only on environment files that do not yet contain Q-CHECKER variables—modifying consists here in adding Q-CHECKER variables. If a file is selected that contains already Q-CHECKER variables, a message will be displayed saying that the selected environment file can not be modified.



- **Specifying the installation directory for the CATIA environment file**

If you want to select for a new environment file an other environment file than the default directory, press the *Browse* button to open the directory selection window. (This window will not be displayed if an existing environment file is to be modified.)



- **Specifying the name of the CATIA environment file**

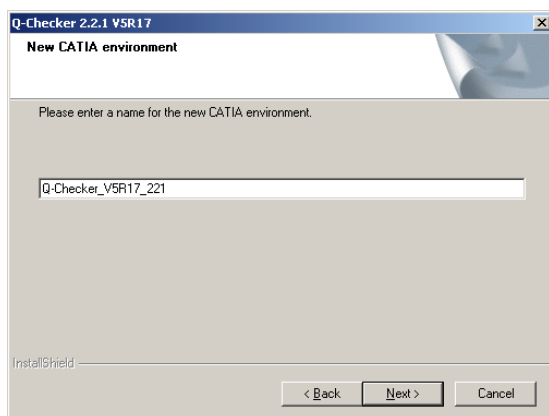
If for a new CATIA environment file you want to specify an other than the default name, you can do this in the text box of this window. The name should indicate as well the Q-CHECKER version as the CATIA version (e.g. Q-Checker\_V5\_221\_CatiaR17 or Q-Checker\_V5R17\_221).



**ATTENTION:**

The name of the environment must contain no blanks.

(This window will not be displayed if an existing environment file is to be modified.)



## • Defining the database capability

Select whether Q-CHECKER is to be installed with database connection or without it.

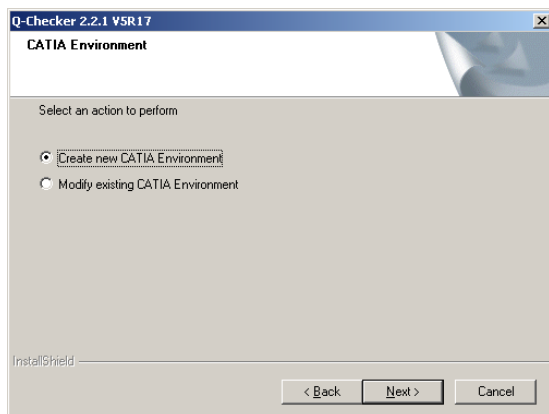
Normally, you should select the first option—“without DB connection“.

Only in case you work with Q-MONITOR and want to store the Q-CHECKER check results in a database, select the second option—„with DB connection“



Note:

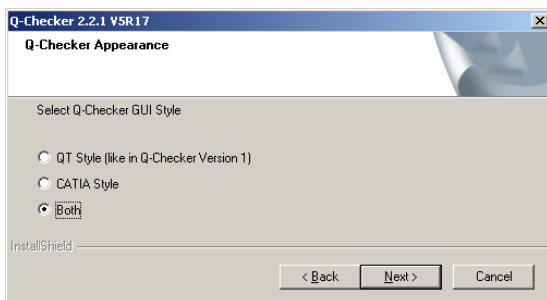
To use Q-CHECKER with database connection, an additional license is required (TC-qcheckerV5-db).



NOTE:

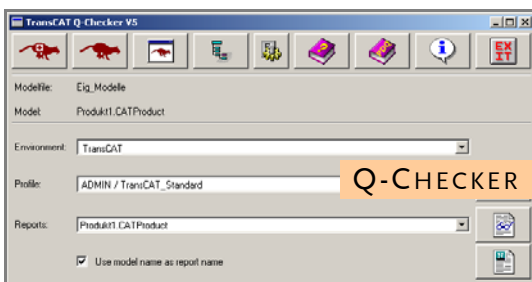
This setting may be modified afterwards in the CATIA environment file (variable QCLICDB).

• Selecting Q-CHECKER GUI

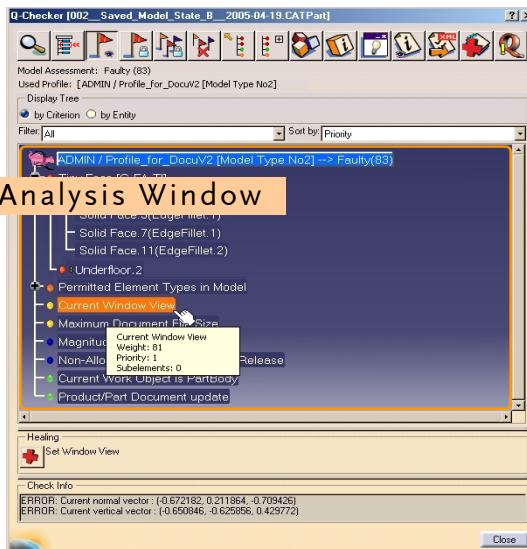
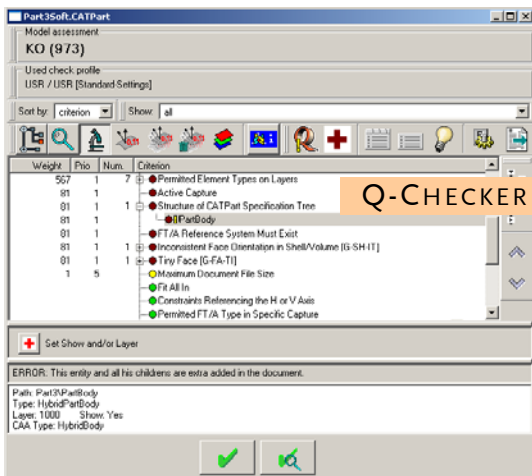


Select in this window the GUI with which Q-CHECKER is to open (cf. screenshots below). If QT style or CATIA style is selected, Q-CHECKER can be opened only with this one selected GUI. If “Both” is selected, it will be possible to open Q-CHECKER alternatively with one of both GUI.

• QT GUI

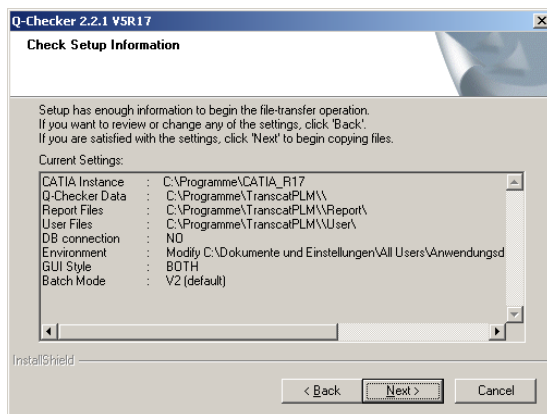


• CATIA GUI

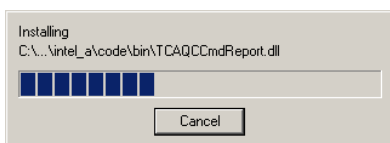


## • Completing the installation

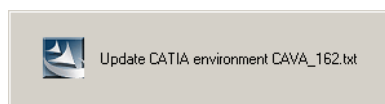
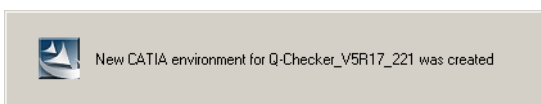
If all specifications are made, they will be displayed all together in the dialog box following below.



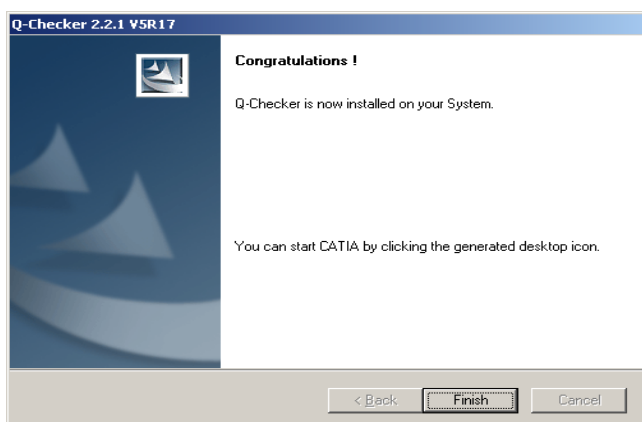
If you will click now the *Next* button, the installation will be started, and the installation program will copy the files in the installation directory.



At the end of the installation routine, the environment file will be created or modified respectively.



The completion of the installation is announced with the following message window.



Confirm this message by clicking the *Finish* button.

After completion of the installation, on your desktop an icon is available with the name of the newly created CATIA environment. Clicking on this icon will start CATIA with integrated Q-CHECKER.

- **Manual Q-CHECKER installation using zip file**



If you don't want to install Q-CHECKER via `setup.exe`, as described above, you can as an alternative perform 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 download from the Q-CHECKER download site [www.transcat-plm.com/tcPLM/sw/download/d\\_qV5.htm](http://www.transcat-plm.com/tcPLM/sw/download/d_qV5.htm).

## 2.2 Deinstallation



### Steps

To uninstall Q-CHECKER, follow these steps:

- (1) In the Start menu select *Settings > Control Panel > Add/Remove Programs*.
- (2) Select Q-CHECKER and press the *Add/Remove...* button.

For detailed information about directories, CATIA environment file and the different files please see chapter 3 *Installing under UNIX* on page 15.

## 3. Installing under UNIX

### 3.1 Unpacking Files



#### Steps

The unpacking operation comprises several steps. Depending on the format of your files, steps can be skipped.

(1) If the data is available as `qcheckerV5_221.tgz`, proceed as follows:

Action	OS <sup>1</sup>	Example
Rename tar archive	*	<code>mv qcheckerV5_221.tgz qcheckerV5_221.tar.gz</code>

<sup>1</sup> Note: \* stands for any CATIA V5-UNIX operation system

Continue with workstep (2).

(2) If the data is available as `qcheckerV5_221.tar.gz` file, proceed as follows:

Action	OS <sup>1</sup>	Example
Copy tar archive into an installation directory of choice.	*	<code>cp qcheckerV5_221.tar.gz /catdat/tcsoft</code>
Change directory to the installation directory	*	<code>cd /catdat/tcsoft</code>
Unpack the archive file	*	<code>gzip -d -c qcheckerV5_221.tar.gz   tar -xvf -</code>



#### NOTE:

Unpack the compressed `*.gzip` file in a UNIX system and not under WINDOWS. Some of the WINDOWS packers during unpacking corrupt the content of the `*.gzip`, so that it can no more be used under UNIX.

## 3.2 The Created Directory Structure

Directory	OS <sup>1</sup>	Description
qcheckerV5_2.2.1/load/aix_a64	AIX	Programm modules für AIX 64-bit
qcheckerV5_2.2.1/load/aix_a	AIX	Programm modules für AIX 32-bit
qcheckerV5_2.2.1/load/irix_a	SGI	Program modules for SGI
qcheckerV5_2.2.1/load/hpux_b	HP	Program modules for HP
qcheckerV5_2.2.1/load/solaris_a	SUN	Program modules for SUN
qcheckerV5_2.2.1/nedit/	*	Editor
qcheckerV5_2.2.1/KweQChecker	*	Q-CHECKER checks as knowledgware
qcheckerV5_2.2.1/docV5/lang_DE	*	PDF Product documentation in German
qcheckerV5_2.2.1/docV5/lang_EN	*	PDF Product documentation in English
qcheckerV5_2.2.1/docV5/lang_JP	*	PDF Product documentation in Japanese
qcheckerV5_2.2.1/docV5/lang_FR	*	PDF Product documentation in French
qcheckerV5_2.2.1/htmlV5/lang_DE	*	HTML online-help in German
qcheckerV5_2.2.1/htmlV5/lang_EN	*	HTML online-help in English
qcheckerV5_2.2.1/htmlV5/lang_JP	*	HTML online-help in Japanese
qcheckerV5_2.2.1/htmlV5/lang_FR	*	HTML online-help in French
qcheckerV5_2.2.1/adminV5/<Environment>	*	Administration files and check profiles <sup>2</sup>
qcheckerV5_2.2.1/adminV5/<Environment>/plugin/ KweQCheckerPlugin	*	Knowledgware plug-ins (if used) <sup>2</sup>
qcheckerV5_2.2.1/adminV5/<Environment>/structure	*	Start model <sup>2</sup>
qcheckerV5_2.2.1/adminV5/<Environment>/db	*	Database directory <sup>2</sup>
qcheckerV5_2.2.1/qcheckerV5	*	Start script
qcheckerV5_2.2.1/readmeV5.txt	*	Up-to-date program information and modifications
qcheckerV5_2.2.1/QCHECKER.in	*	Example for batch input file
qcheckerV5_2.2.1/QCheckerEnv.csh	*	C-Shell script to expand an existing environment
qcheckerV5_2.2.1/QCheckerEnv.sh	*	Shell script to expand an existing environment
qcheckerV5_2.2.1/QCheckerSetEnv.sh	*	Shell script to create a new environment

<sup>1</sup> Note: \* stands for any CATIA V5-UNIX operation system

<sup>2</sup> <Environment\*> stands for the environment name. Q-CHECKER is delivered with one environment named „Default“.

## 3.3 Adapting Q-CHECKER to the Local CATIA Installation

There are two ways to adapt Q-CHECKER to the local installation:

- (1) Creating a new CATIA environment with automatic creation of a CATIA Q-CHECKER icon in the application manager (see chapter 3.3.1).
- (2) Expanding an existing CATIA environment (see chapter 3.3.1.5).

### 3.3.1 Creating a New CATIA Environment

To create a new CATIA environment with Q-CHECKER the shell script `QCheckerSetEnv.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 Q-CHECKER installation. Further information you can find in the following subchapters.

```
...
# Name of the new environment
#
QCHECKER_ENV="QCHECKER_V5R17_221"
#
# Store the new environment in this directory
#
QCHECKER_ENV_PATH="/transcat/catiav5r17/CATEnv"
#
# Installation directory of Q-Checker
#
QCHECKER_INSTALLATION="/catdat/tcsoft/qcheckerV5R17_2.2.1"
#
# Catia installation directory
#
CATIA_INSTALLATION="/catiaV5/R17"
#
# This value is important for aix. The value can be aix_a or aix_a64
#
AIX_OSDS="aix_a"
#
...
chcatenv -e $QCHECKER_ENV -d $QCHECKER_ENV_PATH -var
          QCPATH=${QCHECKER_INSTALLATION} -new
chcatenv -e $QCHECKER_ENV -d $QCHECKER_ENV_PATH -var
          QCDOC=${QCHECKER_INSTALLATION}/docV5 -new
chcatenv -e $QCHECKER_ENV -d $QCHECKER_ENV_PATH -var
          QCHTML=${QCHECKER_INSTALLATION}/htmlV5 -new
chcatenv -e $QCHECKER_ENV -d $QCHECKER_ENV_PATH -var
          QCLOAD=${QCHECKER_INSTALLATION}/load/$OSDS/code/bin -new
chcatenv -e $QCHECKER_ENV -d $QCHECKER_ENV_PATH -var
          QCADMIN=${QCHECKER_INSTALLATION}/adminV5 -new
chcatenv -e $QCHECKER_ENV -d $QCHECKER_ENV_PATH -var
          QCUSER=\$USER_HOME/qcuserV5 -new
chcatenv -e $QCHECKER_ENV -d $QCHECKER_ENV_PATH -var
          QCREPORT=\$USER_HOME/qcreportV5 -new
chcatenv -e $QCHECKER_ENV -d $QCHECKER_ENV_PATH -var
          QCLICDB=NO -new
chcatenv -e $QCHECKER_ENV -d $QCHECKER_ENV_PATH -var
          QCGUI=V2 -new
```

```

chcatenv -e $QCHECKER_ENV -d $QCHECKER_ENV_PATH -var
          QCBATCH=V2 -new chcatenv -e
chcatenv -e $QCHECKER_ENV -d $QCHECKER_ENV_PATH -var
          QCLANGCAT=NO -new

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

```

**NOTE:**

If you install on your computer both Q-CHECKER V4 and V5 version, you should create separate user and report directories for each version.

If the QCHECKER.usr files and the check reports are stored in separate directories

(e.g. \ \$USER\_HOME/qcuserV4 and \ \$USER\_HOME/qcuserV5), this will facilitate to distinguish between the different report files and will prevent that files accidentally will overwrite one another.

### 3.3.1.1 Adapting the Declarations to the Existing Directories

Adapt the following Q-CHECKER variables to your local directory structure. The specifications in the example above are only an example.

Variable name	Explication	
QCHECKER_ENV	Name of the new CATIA environment	
QCHECKER_ENV_PATH	Path where the CATIA environment file is created	
QCHECKER_INSTALLATION	Installation path of Q-CHECKER	
CATIA_INSTALLATION	Installation path of CATIA V5	
AIX OSDS	aix_a	Use this value if CATIA 32 bit is installed.
	aix_a64	Use this value if CATIA 64 bit is installed.
QCPATH	Installation path of Q-CHECKER (identical with the variable QCHECKER_INSTALLATION)	
QCDOC	Path for the Q-CHECKER documentation files	
QCHTML	Path for the Q-CHECKER HTML online-help	
QCLOAD	Path for the Q-CHECKER load modules	
QCADMIN	Path for the Q-CHECKER administrator files	
QCUSER	Path for storing the user profiles	
QCREPORT	Path for storing the report files	
QCLICDB	Q-CHECKER license declaration (see chapter 3.3.2.2 on page 25)	

Variable name	Explication	
QCLANGCAT	YES	<ul style="list-style-type: none"> <li>Q-CHECKER language identical with CATIA language—for the Q-CHECKER-supported languages German, English and French. For other languages Q-CHECKER is opened in English.</li> </ul>
	NO	<ul style="list-style-type: none"> <li>The Q-CHECKER language selection is made in the Q-CHECKER <i>User Settings</i> dialog box. (Default)</li> </ul>
QCGUI	BOTH	<ul style="list-style-type: none"> <li>Q-CHECKER GUI will be available in CATIA in both QT and CATIA versions.</li> </ul>
	V1	<ul style="list-style-type: none"> <li>... is available only in QT version.</li> </ul>
	V2	<ul style="list-style-type: none"> <li>... is available only in CATIA version. (Default)</li> </ul>
QCBATCH	V1	<ul style="list-style-type: none"> <li>Q-CHECKER batch operation not integrated in CATIA.</li> </ul>
	V2	<ul style="list-style-type: none"> <li>Q-CHECKER batch operation integrated in CATIA. (Default)</li> </ul>
	<p><i>Explanation:</i> Integrating the Q-CHECKER batch operation in CATIA speeds up processing. This integration is realized on an internal program level and this is invisible for the user.</p>	
QCHECKER_EDM_PATH	Path setting for the QCHECKER_EDM_SAVE keyword.	
QCHECKER_EDM_SAVE	Controlling an inquiry prompt asking about saving of models that have been processed by an EDM system.	
	1	<p>An inquiry prompt is displayed whether the processed model is to be saved or not.</p> <ul style="list-style-type: none"> <li>If with the keyword QCHECKER_EDM_PATH a path has been specified, the inquiry prompt is displayed only if the respective model was taken from the specified path.</li> <li>If with the keyword QCHECKER_EDM_PATH no path was specified, the inquiry prompt is displayed in every case.</li> </ul>
	0	Q-CHECKER works as normal—no inquiry prompt is displayed.
TCTRACE	<p>Setting this variable activates the Q-CHECKER trace mode. As value a file name must be specified, e. g.: TCTRACE=/tmp/TCTRACE.log.</p> <p><i>Explanation:</i> In <i>Trace</i> mode significant program steps executed during Q-CHECKER check operation are written into a protocol file. This trace file enables the administrator to find out during which routines or checks of which files or elements problems occurred. This variable should not be set permanently, but only when the necessity arises.</p>	

**NOTE:**

In the standard installation, the QCADMIN path is user independent. The files in this directory can be used by all users. As QCUSER and QCREPORT path should used the home directory of the respective user, since the files in this directory are user dependent and should be separate for each user.

### 3.3.1.2 Q-CHECKER License Declaration

The product Q-CHECKER consists of 2 modules. In the CATIA environment file, it is specified which license is to be used when starting the program. Depending on the license acquired, set the variable `QCLICDB` in the following table to *YES* or *NO*, as shown in the following table.

Product name	QCLICDB
TC-qcheckerV5	NO
TC-qcheckerV5-DB	YES

For the product name, please, refer to the license document received from TRANSCAT PLM.

### 3.3.1.3 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	Generates a desktop icon of the environment. (Recommended)
	NO	No desktop icon of the environment is generated.
-a	GLOBAL	A global environment will be created. (Recommended) Note: To create a global environment you must have the administrator rights.
	USER	A user environment will be created.

### 3.3.1.4 Creating an Environment



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

Steps	OS <sup>1</sup>	Example
(1) Go to the installation directory	*	<code>cd /catdat/tcsoft/qcheckerV5_2.2.1</code>
(2) Execute the script		<code>./QCheckerSetEnv.sh</code>

<sup>1</sup> Note: \* stands for any CATIA V5-UNIX operation system



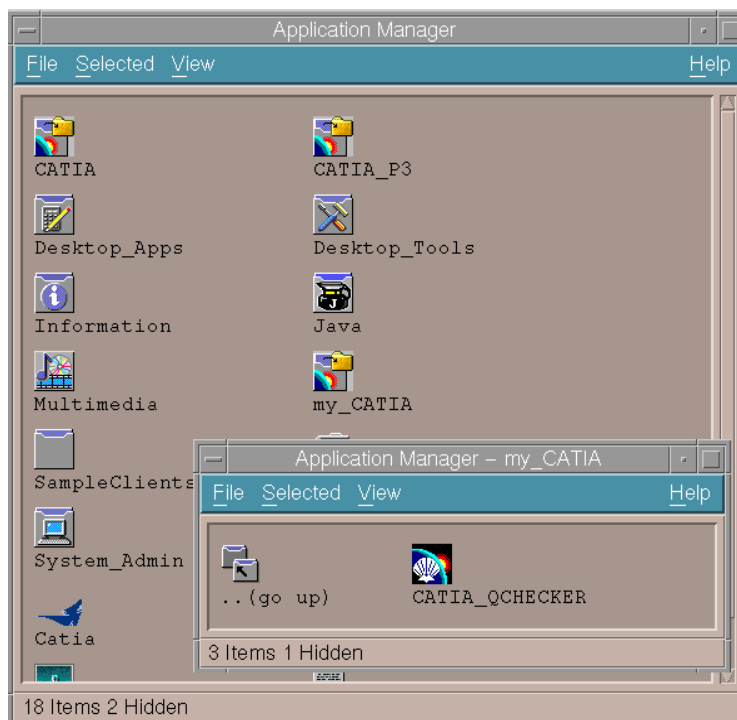
#### NOTE:

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



#### NOTE:

The CATIA—Q-CHECKER icon (see the following screenshot) is displayed in the `my_CATIA` folder of the Application Manager only after re-log in.



Continue the installation with the chapter 3.3.3 *Adapt "qcheckerV5" Start Script* on page 27.

## 3.3.1.5 Example of an CATIA Environment File

```

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

CATEnvironment=/catia5/R17/$OSDS:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS
CATInstallPath=/catia5/R17/$OSDS:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS
LIBPATH=/catia5/R17/$OSDS/code/bin:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/code/bin:$LIBPATH
LD_LIBRARY_PATH=/catia5/R17/$OSDS/code/bin:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/code/bin:$LD_LIBRARY_PATH
LD_LIBRARYN32_PATH=/catia5/R17/$OSDS/code/bin:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/code/bin:$LD_LIBRARYN32_PATH
SHLIB_PATH=/catia5/R17/$OSDS/code/bin:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/code/bin:$SHLIB_PATH
CATICPath=/catia5/R17/$OSDS/code/productIC:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/code/productIC
CATCommandPath=/catia5/R17/$OSDS/code/command:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/code/command
CATDictionaryPath=/catia5/R17/$OSDS/code/dictionary:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/code/dictionary
CATDocView=/catia5/R17/$OSDS/doc:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/doc
CATReffilesPath=/catia5/R17/$OSDS/reffiles:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/reffiles
CATFontPath=/catia5/R17/$OSDS/resources/fonts:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/resources/fonts
CATGalaxyPath=/catia5/R17/$OSDS/resources/galaxy:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/resources/galaxy
CATGraphicPath=/catia5/R17/$OSDS/resources/graphic:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/resources/graphic:/catia
v5/R17/$OSDS/resources/graphic/icons:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/resources/graphic/icons:/catia
v5/R17/$OSDS/resources/graphic/figures:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/resources/graphic/figures:/ca
tia5/R17/$OSDS/resources/graphic/splashscreens:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/resources/graphic/sp
lashscreens:/catia5/R17/$OSDS/resources/graphic/symbols:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/resources/g
raphic/symbols:/catia5/R17/$OSDS/resources/graphic/textures:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/resourc
es/graphic/textures
CATMsgCatalogPath=/catia5/R17/$OSDS/resources/msgcatalog:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/resources/msgcata
log
CATFeatureCatalogPath=/catia5/R17/$OSDS/resources/featurecatalog:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/resources
/featurecatalog
CATDefaultCollectionStandard=/catia5/R17/$OSDS/resources/standard:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/resource
s/standard
CATKnowledgePath=/catia5/R17/$OSDS/resources/knowledge:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/resources/knowledge
CATStartupPath=/catia5/R17/$OSDS/startup:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/startup
CATW3ResourcesPath=/catia5/R17/$OSDS/docs:/catdat/tcsoft/qcheckerV5R17_2.2.1/load/$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/qcheckerV5R17_2.2.1/load/$OSDS/code/bin:/catia5/R17/$OSDS/code/command:/
catdat/tcsoft/qcheckerV5R17_2.2.1/load/$OSDS/code/command:$JAVA_HOME/bin:$PATH
QCPATH=/catdat/tcsoft/qcheckerV5R17_2.2.1
QCDOC=/catdat/tcsoft/qcheckerV5R17_2.2.1/docV5
QCHTML=/catdat/tcsoft/qcheckerV5R17_2.2.1/htmlV5
QCLoad=/catdat/tcsoft/qcheckerV5R17_2.2.1/load/aix_a/code/bin
QCADMIN=/catdat/tcsoft/qcheckerV5R17_2.2.1/adminV5
QCUSER=$USER_HOME/qcuserV5
QCREPORT=$USER_HOME/qcreportV5
QCLICDB=NO
QCGUI=V2
QCBATCH=V2
QCLANGCAT=NO

```

### 3.3.2 Expanding an Existing CATIA Environment

To expand an existing CATIA environment, with Q-CHECKER the shell scripts QCheckerEnv.sh and QCheckerEnv.csh are delivered.

In the following, we give an extract of this file. Adapt in this file the passages marked gray to your local Q-CHECKER installation. For further information, please refer to the following subchapters.

```
set +u
QCPATH=/catdat/tcsoft/qcheckerV5R17_2.2.1
\export QCPATH
QCDOC=${QCPATH}/docV5
\export QCDOC
QCHTML=${QCPATH}/htmlV5
\export QCHTML
QCLOAD=${QCPATH}/load/$OSDS/code/bin
\export QCLOAD
QCADMIN=${QCPATH}/adminV5
\export QCADMIN
QCUSER=$USER_HOME/qcuserV5
\export QCUSER
QCREPORT=$USER_HOME/qcreportV5
\export QCREPORT
QCLICDB=NO
\export QCLICDB
QCGUI=V2
\export QCGUI
QCBATCH=V2
\export QCBATCH
QCLANGCAT=NO
\export QCLANGCAT
```



#### NOTE:

If you install on your computer both Q-CHECKER V4 and V5 version, you should create separate user and report directories for each Q-CHECKER version.

If the QCHECKER.usr files and the check reports are stored in separate directories (e.g. \ \$USER\_HOME/qcuserV4 and \ \$USER\_HOME/qcuserV5), this will facilitate to distinguish between the different report files and will prevent that files accidentally will overwrite one another.

### 3.3.2.1 Adapting the Declaration to the Local Directories

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

Entity name	Description
QCPATH	Q-CHECKER installation path
QCDOC	Path for the Q-CHECKER documentation files
QCHTML	Path for the Q-CHECKER HTML online-help
QCLOAD	Path for the Q-CHECKER load modules
QCADMIN	Path for the Q-CHECKER administrator files
QCUSER	Path for storing the user profiles
QCREPORT	Path for storing the report files
QCLICDB	Q-CHECKER license declaration (see chapter 3.3.2.2 on page 25)
QCGUI	BOTH <ul style="list-style-type: none"> <li>• Q-CHECKER GUI will be available in CATIA in both QT and CATIA versions.</li> </ul>
	V1 <ul style="list-style-type: none"> <li>• ... available only in QT version.</li> </ul>
	V2 <ul style="list-style-type: none"> <li>• ... available only in CATIA version. (Default)</li> </ul>
QCBATCH	V1 <ul style="list-style-type: none"> <li>• Q-CHECKER batch operation not integrated in CATIA.</li> </ul>
	V2 <ul style="list-style-type: none"> <li>• Q-CHECKER batch operation integrated in CATIA. (Default)</li> </ul>
	<i>Explanation:</i> Integrating the Q-CHECKER batch operation in CATIA speeds up processing. This integration is realized on an internal program level and this is invisible for the user.
QCLANGCAT	YES <ul style="list-style-type: none"> <li>• CATIA language is taken over as Q-CHECKER language. The supported languages are German, French and English.</li> </ul>
	NO <ul style="list-style-type: none"> <li>• The language selection is made in the Q-CHECKER options dialog box.</li> </ul>
QCHECKER_EDM_PATH	Path setting for the QCHECKER_EDM_SAVE keyword.
QCHECKER_EDM_SAVE	Controlling an inquiry prompt asking about saving of models that have been processed by an EDM system.
	1 <ul style="list-style-type: none"> <li>An inquiry prompt is displayed whether the processed model is to be saved or not.</li> <li>• If with the keyword QCHECKER_EDM_PATH a path was specified, the inquiry prompt is displayed only if the respective model was taken from the specified path.</li> <li>• If with the keyword QCHECKER_EDM_PATH no path was specified, the inquiry prompt is displayed in every case.</li> </ul>
	0 <ul style="list-style-type: none"> <li>Q-CHECKER works as normal—no inquiry prompt is displayed.</li> </ul>

Entity name	Description
TCTRACE	Setting this variable activates the Q-CHECKER trace mode. As value a file name must be specified, e. g.: TCTRACE=/tmp/TCTRACE.log. <i>Explanation:</i> In <i>Trace</i> mode significant program steps executed during Q-CHECKER check operation are written into a protocol file. This trace file enables the administrator to find out during which routines or checks of which files or elements problems occurred. This variable should not be set permanently, but only when the necessity arises.

**NOTE:**

In the standard installation, the QCADMIN path is user independent. The files in this directory can be used by all users.

As QCUSER and QCREPORT path should used the home directory of the respective user, since the files in this directory are user dependent and should be separate for each user.

### 3.3.2.2 Q-CHECKER License Declaration

In addition to Q-CHECKER a second module is available, assuming the database connection. For that reason it must be defined in the CATIA environment file if the database connection is to be enabled or not. Depending on the license you have acquired, please set the values of the following variables on the value *YES* or *NO*, as shown in the table:

Product	License name	Value for QCLICDB
Q-CHECKER	TC-qcheckerV5	NO
Q-CHECKER DATABASE CONNECTION	TC-qcheckerV5-DB	YES

As default value of the variable in the CATIA environment file *YES* is set (for the “TC-qcheckerV5” product).

Please take the license name from the license certificate, received from TRANSCAT PLM or your Q-CHECKER reseller. You can find the license name also at the end of the license mail, sent by TRANSCAT PLM.

### 3.3.2.3 Starting CATIA with the Q-CHECKER Environment



To integrate Q-CHECKER in an already existing CATIA environment, you have to start CATIA as follows:

Steps	OS <sup>1</sup>	Example
(1) Set CATIA environment (here: CATIA default environment)	*	. /transcat/catiav5r14/CATEnv/ CATIA_P3.V5R14.B14.sh
(2) Set Q-CHECKER environment	*	. /catdat/tcsoft/qcheckerV5_2.2.1/QCheckerEnv.sh
(3) Start CATIA	*	CNEXT

<sup>1</sup> Note: \* stands for any CATIA V5-UNIX operation system

Continue the installation with the chapter 3.3.3 *Adapt "qcheckerV5" Start Script* on page 27.

### 3.3.3 Adapt “qcheckerV5” Start Script

In the start-script, please adapt the `QCHECKER_PATH` directory name marked **gray** to your local installation.

```
#!/bin/ksh
#-----
#
#           Q-CHECKER
#           (C) TransCAT PLM GmbH & Co. KG
#
#           Am Sandfeld 11c
#           76149 Karlsruhe
#           Tel.: +49-721-9 70 43 - 0
#-----
#
# Set the path name or the directory where the QCHECKER and
# the load modules are installed.
#
# for example:
#
# export QCHECKER_PATH          = "/catdat/tcsoft/qcheckerV5"
# export QCHECKER_LOAD_PATH     = "$QCHECKER_PATH/load/$CATIA_OS"
#-----
#
export QCHECKER_PATH="/catdat/tcsoft/qcheckerV5_2.2.1"
export QCHECKER_LOAD_PATH="$QCHECKER_PATH/load/${CATIA_OS}"
export QCHECKER_LOAD_JAVA="$QCHECKER_PATH/load/"
...

qchecker_show_pdq ()
{
# Enter the program and document that should be displayed when clicking on
# the PDQ help icon on the Q-Checker start panel. This functionality is
# optional and not required to run Q-Checker! Example:
# netscape "/catdat/tcsoft/qcheckerV5_2.2.1/docV5/pdq_help.html" &
# acroread "/catdat/tcsoft/qcheckerV5_2.2.1/docV5/pdq_help.pdf" &
```

## 4. Language Selection

The Q-CHECKER supports German (*DE*), English (*EN*), French (*FR*) and Japanese (*JP*). An alteration of the selected language affects the user interface, the soft copy and the check reports.

### 4.1 Language Specification for the First Program Start

In the `QCHECKER.par` file, the language is specified, in which Q-CHECKER is opened on the first start.

```
qchecker.DEFAULT_LANGUAGE = DE   (for German)
qchecker.DEFAULT_LANGUAGE = EN   (for English)
qchecker.DEFAULT_LANGUAGE = FR   (for French)
qchecker.DEFAULT_LANGUAGE = JP   (for Japanese)
```

See also the Q-CHECKER V5 ADMINISTRATION MANUAL—section “QCHECKER.par file”.

#### 4.1.1 Language Selection by the User

While starting Q-CHECKER for the first time, the `QCHECKER.usr` file is created. In this file, the user-specific settings are stored (among others, the language setting). This file is stored, if no other settings have been made, in the home directory of the respective user.

The language setting in this file is made with the variable

```
qchecker.USER_LANGUAGE.
```

The value of this variable can be changed manually in the file by the means of an editor. The selected language will be applied after saving this file and restarting Q-CHECKER.

The language setting also can be changed interactively by the user, using the Q-CHECKER *Options* menu (in case of using Q-CHECKER QT GUI). To apply the change in the language selection, in this case too, Q-CHECKER needs to be restarted. For the interactive language selection by the user see also Q-CHECKER OVERVIEW MANUAL—section “Interactive Work inside CATIA, subsection “Start Window”—item “Edit Q-CHECKER Options button”, and Q-CHECKER V5 ADMINISTRATION MANUAL—section “Administration”, subsection “QCHECKER.usr— User Settings”.

## 5. Installation of License Passwords

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.

### 5.1 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.q-checker.com/license>

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 /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 cluster_name</code>	9c1bb2a7e1a8.8d.41.d1.9c.4c .00.00.00

## 5.2 Installation of Nodelock Licenses

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

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



### Enrolling a Nodelock license under UNIX

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

<sup>1</sup> Note: \* stands for any CATIA V5-UNIX operation system

#### Inserting password text

In the license e-mail received 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 2.x, gueltig bis 31.12.2037
7db765b90080.02.81.96.00.18.00.00.00 64tkq3wfwzxi2gzci5j7t8p49keaa " " 2"
```

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.

## 5.3 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**

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



### STEPS

- (1) Start *i4blt* Tool
- (2) Select *Products* menu item and go to the *single product ...* submenu.
- (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) After the return to the *Enroll Product* window conclude the registration pressing the *OK* button.

## 6. Installing Check Profiles

To use Q-CHECKER, check profiles are needed, containing the definitions for the checks to be executed.

Users that execute Q-CHECKER checks in order to test CAT data to be transferred to an *OEM* (Original Equipment Manufacturer), can get the current check profiles from their OEM *or* by downloading them from the Q-CHECKER web side

[www.q-checker.com](http://www.q-checker.com).

The download is free of charge. Before the first download, the user must register (under *Registration*). Please, note your user name and password exactly, you will need them again for every log-in for download. The passwords being encrypted on the server, TRANSCAT PLM has no control over the passwords. If the password once would be lost, a new registration will be required.

If download problems should occur or if the needed check profiles are not available on the web side, please address directly to TRANSCAT PLM:

[q-checker@transcat-plm.com](mailto:q-checker@transcat-plm.com)



### Steps

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

- (1) If the profile file is available as packed and compressed \*.taz file, do first the following operation:

Action	OS <sup>1</sup>	Example
Rename the tar archive	*	mv *.taz *.tar.Z

<sup>1</sup> Note: \* stands for any CATIA V5-UNIX operation system

Continue with work step (2).

- (2) If the profile file is available as \*.tar.Z file, do the following operation:

Action	OS <sup>1</sup>	Example
Uncompress the tar archive	*	uncompress *.tar.Z

Continue with work step (3).

- (3) To conclude the profile installation, do the following operations (these actions are to be taken in every case):

Action	OS <sup>1</sup>	Example
Copy tar archive into the admin directory	*	<code>cp *.tar ../qcheckerV5_2.2.1/adminV5</code>
Go to the admin directory	*	<code>cd ../qcheckerV5_2.2.1/adminV5</code>
Unpack the archive file	*	<code>tar -xvf *.tar</code>

<sup>1</sup> Note: \* stands for any CATIA V5-UNIX operation system

While unpacking the profile archive, a new environment directory is created and the corresponding files are copied in the target directories. The new environment will be available after Q-CHECKER restart; the check-profiles in it will be available as standard profiles.

## 7. Troubleshooting

### Problem:

- Under WINDOWS, in CATIA the Q-CHECKER icon is available, but Q-CHECKER can not be started.
- No Q-CHECKER icon in CATIA.
- Under WINDOWS Q-CHECKER set-up aborts.
- Under UNIX, Q-CHECKER can not be started.
- Q-CHECKER license can not be found.

### For solution see:

- [Problem 1—page 35](#)
- [Problem 2—page 36](#)
- [Problem 3—page 37](#)
- [Problem 4—page 38](#)
- [Problem 5—page 39](#)



### PROBLEM 1

#### • SYMPTOM

Under WINDOWS, in CATIA the Q-CHECKER icon is available, but Q-CHECKER can not be started.

#### • CAUSE

The qcheckerV5.vbs start script is a VISUALBASIC (VB) script. Virus scanners can block VB scripts.

#### • SOLUTION

Check out if the problem is caused by a virus scanner. If appropriate, change the configuration of the virus scanner.



## PROBLEM 2

- *SYMPTOM*

No Q-CHECKER icon in CATIA.

- *POSSIBLE SOLUTIONS*

- Prerequisite not fulfilled: CATIA configurations packages EI2 + MD2 + PM2 + SA2 and PX1 product must be installed.
- CATIA has been started with wrong CATIA environment where Q-CHECKER is not included.
- Wrong Q-CHECKER release (e.g. Q-CHECKER for R14, but CATIA R16 installed).
- Icon hidden.  
Check in CATIA if the *QCheckerTB* tool bar is activated.  
(Menu *View > Toolbars > Customize > Commands* tab card > Select on the value list on the left *All Commands*, and search in the box on the right in the displayed list for Q-CHECKER)
- Check whether the Q-CHECKER icon is available when an other type of CATIA document is loaded (CATProduct, CATPart, CATDrawing).
- Check whether the Q-CHECKER icon appears if the CATIA „PartDesign“ workbench is active.
- Delete all CATSettings and restart CATIA.



## PROBLEM 3

- *SYMPTOM*

Under WINDOWS Q-CHECKER set-up aborts.

- *REASON*

The Windows registry didn't contain keywords under  
HKEY\_LOCAL\_MACHINE\SOFTWARE\Dassault Systemes\B16\0

The keyword DEST\_FOLDER must point to the CATIA installation directory.

The keyword DEST\_FOLDER OSDS must point to the CATIA installation directory  
\intel\_a

- *SOLUTION*

(1) Add/modify the keywords/values in the registry.

(2) Re-install CATIA from CD.



## PROBLEM 4

- *SYMPTOM*

Under UNIX, Q-CHECKER can not be started.

Error message: *Can't find libCATGeometricObjects.a*.

- *SOLUTION*

Export the LIBPATH in the qcheckerV5 script file (see red line in the extract of the qcheckerV5 file).

The echo \$LIBPATH command (line in blue) is destined only for verification and can be erased when the problem is solved.

### Extract of the qcheckerV5 file

```
#-----
#
# Call the Q-CHECKER catia
#
#-----
if [ "${1}" = "-c" ]; then
if [ "${OSDS}" = "aix_a" ]; then
# replace dead_circumflex by asciicircum for QT
export DEAD_CIRCUM_KEY=`xmodmap -pke | grep dead_circumflex | head -1`
xmodmap -e "`echo ${DEAD_CIRCUM_KEY} | sed -e s/dead_circumflex/asciicircum/g`"

# replace dead_tilde by asciitilde for QT
export DEAD_TILDE_KEY=`xmodmap -pke | grep dead_tilde | head -1`
xmodmap -e "`echo ${DEAD_TILDE_KEY} | sed -e s/dead_tilde/asciitilde/g`"
fi

export LIBPATH=/usr/catiav5r16/B16/aix_a/code/bin:$LIBPATH
echo $LIBPATH

"${QCHECKER_LOAD_PATH}"/TCAQChecker -c "${2}"

if [ "${OSDS}" = "aix_a" ]; then
xmodmap -e "`echo ${DEAD_CIRCUM_KEY}`"
xmodmap -e "`echo ${DEAD_TILDE_KEY}`"
fi

exit

fi
#-----
```



## PROBLEM 5

- *SYMPTOM*

Q-CHECKER license can not be found.

- *VERIFYING THE PROBLEM*

The license problem can be verified, using the TCALIC program. It simulates the Q-CHECKER license mechanism and allows to get granted LUM licenses and to release them. In order to get granted the license, the program searches first for a *nodelock* license. If no *nodelock* license can be found, then in the network for a *Concurrent* license is searched. If available; the license is drawn.

The TCALIC program is located in Q-CHECKER directory `.../load/<operating system>/code/bin`.

In order to execute TCALIC, in a UNIX shell on a client computer enter the following command

```
TCALIC <Product ID> <Product Version> (Sample)
```

```
TCALIC 5000 2 → Example for the case that you have the TC-qcheckerV5 license;
```

```
TCALIC 5001 2 → Example for the case that you have the TC-qcheckerV5-DB license.
```

If you don't know which license do you have, refer to the license certificate or to the *Basic License Tool* (in case of network licenses).



**NOTE:**

To be able to use Q-CHECKER with database connection, i. e. in connection with Q-MONITOR, both *TC-qcheckerV5* and *TC-qcheckerV5-DB* licenses are required.

The program output is as follows:

```
*****
catadm-rsprog10:/catdat/tcsoft/qcheckerV5_1.16.2/load/aix_a/code/bin>TCALIC 5000 2

TCLIC try to get license for:
=====

Product ID: 5000
Product Version: 2

Try to get NODELOCKED license

tc_i4_ini_c: >tc_i4_ini_c: License not found in the database.<

License not granted
=====

Try to get CONCURRENT license

License granted
=====

Type q to release the license
*****
```

In the example above the program searched for Q-CHECKER for CATIA V5 license. The check resulted in no *nodelocked* license be found (*License not granted*). The subsequent search for a *Concurrent* license was successful, the license could be drawn (*License granted*). The license may be released again by pressing the  key (as soon as you have been invited by TCALIC to do this).

- **POSSIBLE SOLUTIONS**

Verify:

- Is the license key registered correctly?  
See section 5 *Installation of License Passwords* from page 29.
- Are the license settings in the CATIA environment file made correctly?  
If you do you not have a *TC-qcheckerV5-DB* license, set the following value for the QCLICDB database parameter: NO .

\* \* \*

**Q-CHECKER in the Internet:**

<http://www.q-checker.com>

**Q-CHECKER hotline:**

Phone: +49 721 97043100

E-mail: [q-checker@transcat-plm.com](mailto:q-checker@transcat-plm.com)

