

CATIA® Software

VDAFS-Processor

Installation manual

VDAFS-Processor

1. Unpack files or tape

The data is saved on disk in the sub-directory vdafs.3.2.1e.

- Data on tape:

Action	BS	Example
Change to set-up directory	*	cd /catdat/iua
Copy files into the set-up directory	AIX	tar -xvf /dev/rmt0
	SGI	tar -xvf /dev/tape
	HP	tar -xvf /dev/rmt/0m
	SUN	tar -xvf /dev/rmt/0m

- Or data in TAR-Archive

If the archive file exists as vdafs*.taz:

Action	BS	Example
Re-name TAR-archive	*	mv vdafs321e.taz vdafs321e.tar.Z

If the archive file exists as vdafs*.tar.Z:

Action	BS	Example
De-compress TAR-archive	*	uncompress vdafs321e.tar.Z

General

Action	BS	Example
Copy TAR-archive into installation directory	*	cp vdafs321e.tar /catdat/iua
Change into installation directory	*	cd /catdat/iua
Unpack archive file	*	tar -xvf vdafs321e.tar

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2. Created directory structure

vdafs.3.2.1e/doc/	*	Product documentation in MS-Word-format
vdafs.3.2.1e/load_aix	AIX	Programme module for AIX
vdafs.3.2.1e/load_sgi	SGI	Programme module for SGI
vdafs.3.2.1e/load_hp	HP	Programme module for HP
vdafs.3.2.1e/load_sun	SUN	Programme module for SUN
vdafs.3.2.1e/proc/	*	Procedure for IUA-version
vdafs.3.2.1e/MSGVDA	*	Message file (all modules)
vdafs.3.2.1e/readme.txt	*	Latest programme information and changes
vdafs.3.2.1e/VDAFS.dcls	*	Declaration-file (to use with include)
vdafs.3.2.1e/vdafs	*	Script to call up the motif and batch version

3. Adapt VDAFS-Processor to local installation

The VDAFS-Processor is delivered in three modules:

Label	Filename	Explanation
Motif	VDAFSM	User interface for X-Displays
IUA	AVDAFS	IUA/CATIA – load-module
Batch	VDAFSA	Comand line with control file

- **Adapt CATIA declaration file**

In an active declaration file (e. g.: USRENV.dcls) the directories for VDAFS-files have to be declared in the local CATIA-installation. To do this the provided file VDAFS.dcls can be used:

```

/* ----- */
/* VDAFS-Processor */
/* ----- */
INCLUDE ( ` /catdat/iua/vdafs.3.2.1e/VDAFS.dcls ` ) ;
/* ----- */

```

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It is possible that the directories in file VDAFS.dcls have to be adapted.

```
/* ----- */
/* IUA Programme */
/* ----- */
catia.IUAPROV      = '/catdat/iua/vdafs.3.2.1e/proc';
catia IUAMODULE    = '/catdat/iua/vdafs.3.2.1e/load_aix';
/* ----- */
/* MESSAGE-file */
/* ----- */
catia.MESSAGE      = '/catdat/iua/vdafs.3.2.1e';
/* ----- */
```

- **Develop Start-Script for Motif and Batch version**

In order to call the Motif and batch version (vdafs -x) of the VDAFS-Processor the directory of the program module has to be added to the script vdafs and it is possible that the language environment has to be altered. Please see comments in the script:

```
#####
#
# Definition of modules directory
# 'VDAFSA' and 'VDAFSM' :
#
# Adapt the directory name to your local installation
#-----
DIR_VDAFS="/tc/produkte/vdafs.3.2.1e/load_aix"
#
# set language
#-----
# for HP-UX:
#           LANG="en_US.iso88591"
#
# for AIX with CATIA from 4.1.9:
#           LANG="en_US"
#
LANG="en_US"
export LANG
#####
```

In order to be able to start the VDAFS Processor from all directories the PATH variable of the operating system can be expanded. For this the following can be added to the file *.profile*:

```
Path=$PATH:catdat/iua/vdafs.3.2.1e
Export $PATH
```

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4. Enter License-Passwords

TransCAT GmbH uses the license system iFOR/LS (also known as NetLS) for their Software products. Three types of license are on offer:

nodelocked	password only valid on one computer (CPU-number)
concurrent	license is available in the network, license server essential
use-once	license for single start of the product.

The entering of license is in all cases only possible as **root-User**.

- Set-up of Nodelocked licenses:

Action	BS	Example
Change to User root	*	su - root
Change to password directory	AIX SGI HP SUN	cd /usr/lib/netls/conf cd /var/ifor cd /var/opt/ifor cd /var/ifor
Create or edit file <i>nodelock</i>	*	vi nodelock
Add new lines at the end (vi-command)	*	<ESC>Go
Incorporate password	*	see example below
Save file (vi-command)	*	<ESC>wq
Set right of file		chmod 644 nodelock

Example:

```
#-----  
#--          Pass words of TransCAT Karlsruhe          --  
#-----  
  
# Produkt: TC-xxxx; valid until: xx.xx.xx on AIX CPU-ID xxxxxxxx  
7db765b90080.02.81.96.00.18.00.00.00 kxqjgqmyrasemewkph3fctxds35s "3D" "3"
```


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The above example results in:

Enter Vendor ID:

```
ls_admin -a -v <vendor name> <vendor id> <target>
ls_admin -a -v "TransCAT" 7db765b90080.02.81.96.00.18.00.00.00 xyrfi4bapkh9e
```

Enter product password:

```
ls_admin -a -l <lic.annot.> -p <vendor name> <name> <product password> <version>
ls_admin -a -l "3D" -p "TransCAT" "TC-vdacs" z6qzfe5ttui35qkv2nb6kcufibaa72 "3"
```

Note for SGI, HP and SUN customers

If you use concurrent licenses, please copy the library libi4shl.xx as root-user on your clients.

Platform:	file	from the directory	to the directory
SGI	libi4shl.so	../load_sgi/DLL/	/usr/lib/
SUN	libi4shl.so	../load_sun/DLL/	/usr/lib/
HP	libi4shl.sl	../load_hp/DLL/	/usr/lib/

Action	OS	Example
Login as root-user	*	su - root
Change directory	SGI SUN HP	cd vdafs.x.x.x/load_sgi/DLL cd vdafs.x.x.x/load_sun/DLL cd vdafs.x.x.x/load_hp/DLL
Copy the library to the directory /usr/lib	SGI, SUN HP	cp libi4shl.so /usr/lib/. cp libi4shl.sl /usr/lib/.
Change the access privilege to read & execute	SGI, SUN HP	chmod 555 /usr/lib/lib4shl.so chmod 555 /usr/lib/lib4shl.sl

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5. Testing of Set-up

Attention: The user has to relogin before testing

- Test license

Enter	Result	Correction if error
ls_admin -s -v "TransCAT"	Vendor ID shown for TransCAT	Enter ID Vendor
ls_admin -s -p "TransCAT"	Licenses for product shown	Correct License

- Test Motif

Enter	Result	Correction if error
catpath -l catia.message	Directory containing MSGVDA (e. g.:/catdat/iua/vdafs.3.2.1e)	Correct declaration file
which vdafs	Path and file name of used scripts vdafs	Add directory to PATH- variable (observe sequence)
vdafs	Existing CATIA-licenses are shown	Correct CATIA set-up Adapt script vdafs
	Motif-panel appears	Check DISPLAY-variable or allow x-host (xhost +)

- Test batch

Enter	Result	Correction if error
catpath -l catia.message	Directory containing MSGVDA (e. g.:/catdat/iua/vdafs.3.2.1e)	Correct declaration file
which vdafs	Path and filename of of used script vdafs	Add directory of the PATH- variable (observe sequence and priorities).
vdafs -x	Existing CATIA-licenses are shown	Correct CATIA set-up adapt script vdafs
	VDAFS-Processor Version 3.1.2 © TransCAT GmbH	Enter CATIA or VDAFS licenses
	VDAFS-Processor is running	

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- Test IUA

Enter	Result	Correction if error
which vdafs	Path and filename of Used Scripts vdafs	Add directory to the PATH- variable (observe sequence)
catpath -l catia.iuaproc	Directory containing the IUA-procedure (/catdat/iua/vdafs.3.2.1e/proc)	Correct declaration file
catpath -l catia.iuamodule	Directory containing IUA load modules (/catdat/iua/vdafs.3.2.1e/load_aix)	Correct declaration file
catpath -l catia.message	Directory containing the message file MSGVDA (/catdat/iua/vdafs.3.2.1e)	Correct declaration file
catini -XM	CATIA starts	Correct CATIA set-up
/IUA/EXECUTE /CTRL ON Type and select vdafs	VDAFS-Processor appears with Motif-Panel	Error-report at TransCAT GmbH +49 721 91231 35