



PDMS Adapter

Manual

ENGINEERED EFFICIENCY



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1 Introduction

PDMS Adapter captures 3D graphics and attributes from AVEVA PDMS session (*.rvm, *.att) and stores it in a file (*.upvc). This file is used as input for CAXperts **Universal-PlantViewer Builder** to generate Universal Plant Viewer or 3D PDF session.

1.1 General conventions

This document contains many visual cues to help you understand the meaning of certain words or phrases. The use of different fonts for different types of information allows you to scan the document for key concepts or commands. Symbols help abbreviate and identify commonly used words, phrases, or groups of related information

Typefaces

Italic

Indicates a system response, which is an explanation of what the software is doing. For example,

The text is placed in the viewing plane.

Bold

Indicates a command name, parameter name, or dialog box title. Command paths are shown using an arrow between command names. For example,

Choose **File** → **Open** to load a new file.

Normal typewriter

Indicates an actual file or directory name. For example,

The ASCII report is stored in the layout.rpt file.

Bold type-writer

Indicates what you literally type in. For example,

Key in **original.dat** to load the ASCII file.

Symbols

This document uses the following symbols to identify special information:

 Note – important supplemental information.

 Map or path – shows you how to get to a specific command or form.

 More information – indicates there is additional or related information.

2 Installation

Requirements:

- Hardware (minimum):
 - CPU: double-core, 2.5 GHz
 - RAM: 3 GB
- Hardware (recommended):
 - CPU: quad-core, >=3.4 GHz
 - RAM: >=8GB
 - OS, %TEMP%, input and output folders on SSD
 - Full HD resolution
- Supported operating systems:
 - Microsoft Windows 7-10
 - Microsoft Windows 2008-2012R2
- Microsoft .NET Framework 4.0

Administrator rights are required on each computer to install CAXperts **PDMS Adapter**. "Run as" is not supported.

Uninstall

To uninstall the software, select **Control panel** from the start menu. Then on large or small icon view, click **Programs and features**. If you are using category view, under **Programs**, click **Uninstall a program**.

Select the program you want to remove, and click Uninstall/Remove. Alternatively, right-click the program and select **Uninstall**.

Setup command line (for administrators)

The following command line options are supported by the installer:

/S:<<optional ini file>>

Allow an install to be run in silent mode. As a result, no screens or dialogs will be shown.

This command line option also has an optional INI file that can be passed containing session variable values. For example:

```
"C:\output\setup.exe" "/S:C:\setupvars.ini"
```

This will cause the session variables in the INI file to be used for the setup. The INI file should be in the format:

```
[SetupValues]
```

```
%AppFolder%=C:\Program Files\MyProduct
```

/U:<<XML config file>>

This command line option must be used when calling the uninstall program from the command line. This command also has an optional XML file that can be passed containing session variable values. For example:

```
"C:\Program Files\MyProduct\uninstall.exe" "/U:C:\Program Files\MyProduct\irunin.xml"
```

2.1 Licence

CAXperts software supports two types of licences:

Site licence (local)

Domain based licences are restricted to machines within a 5 miles (8 kilometres) radius at a specific geographic location (building) for which the licence key file was issued for. There is no limitation regarding the number of users or machines.

CAXperts will need your **Current domain name** to issue a licence file (.lic).

The licence file has to be stored on a local or network location accessible by the machine running the CAXperts product; a licence server is not required.

The location of the licence file should be defined on every machine with the CAXperts product installed, which can be done

- Either by setting the environment variable
CAXPERTS_LICENSE_FILE=C:\Program Files (x86)\CAXperts\Licensing\
- Or by setting the registry key
HKEY_CURRENT_USER\Software\FLEXlm License
Manager\CAXPERTS_LICENSE_FILE=C:\Program Files
(x86)\CAXperts\Licensing\

Multiple licence key file locations should be separated by semicolons (";").

 Note: If the licence key file location is not defined, "C:\Program Files (x86)\CAXperts\Licensing\" is used

 Note: The licence key file may be renamed (including the extension). The CAXperts product will check the content of all files in the licence folder(s) for valid keys.

 Note: Changes to the key path (in the environment variable or registry key) are read during the next start of the CAXperts product.

Floating (server) licence

Floating licences require a FlexNET server (lmadmin or lmgrd) accessible by the machine running the CAXperts product. The licence key file is typically located on the FlexNET server machine. The licence key file defines the maximum number of seats which can be used at the same time.

 Note: Every running instance of the CAXperts software product will require one seat, no matter if the application is running multiple times on the same or different machine(s).

New instances can only be started as long as seats are available and the FlexNET server is accessible.

The location of the licence server must be defined on every machine with the CAXperts product installed, which can be done

- Either by setting the environment variable
CAXPERTS_LICENSE_FILE=@YourServerName
- Or by setting the registry key
HKEY_CURRENT_USER\Software\FLEXlm License
Manager\CAXPERTS_LICENSE_FILE=@YourServerName

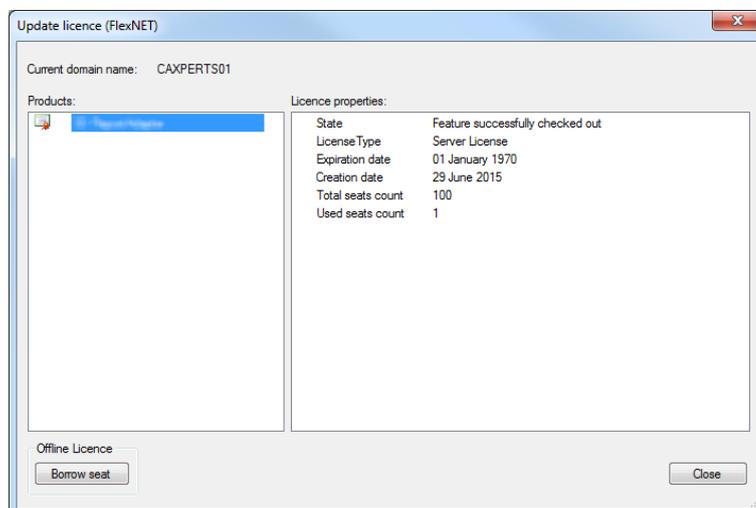
Every computer name must be preceded by the @ symbol. Multiple licence server locations should be separated by semicolons (;).

YourServerName is the Windows computer name of the machine running ladmin (FlexNET server). If ladmin is running on a non-default port, the port number should be defined like this: port@ YourServerName.

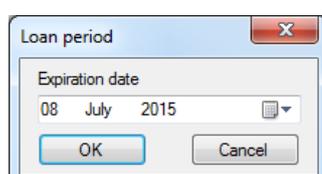
 **Note:** Changes to the server path (in the environment variable or registry key) are read during the next start of the CAXperts product.

Borrowed licences

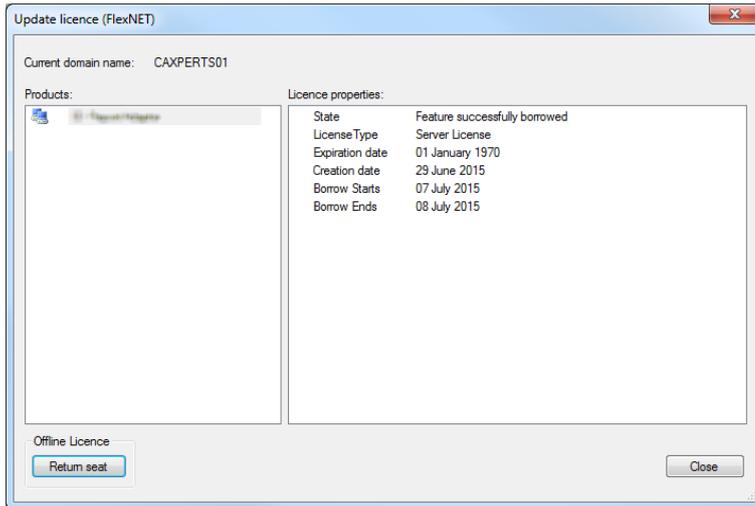
Licence seats can be borrowed for a period of time from the server and saved to the local machine. Once the seat has been borrowed the CAXperts application can be used without any connection to the FlexNET server.



To borrow a licence seat press the **Borrow seat** button, define the loan period (up to 7 days) and press OK. When the borrowed seat expires it gets automatically returned back to the FlexNET server.

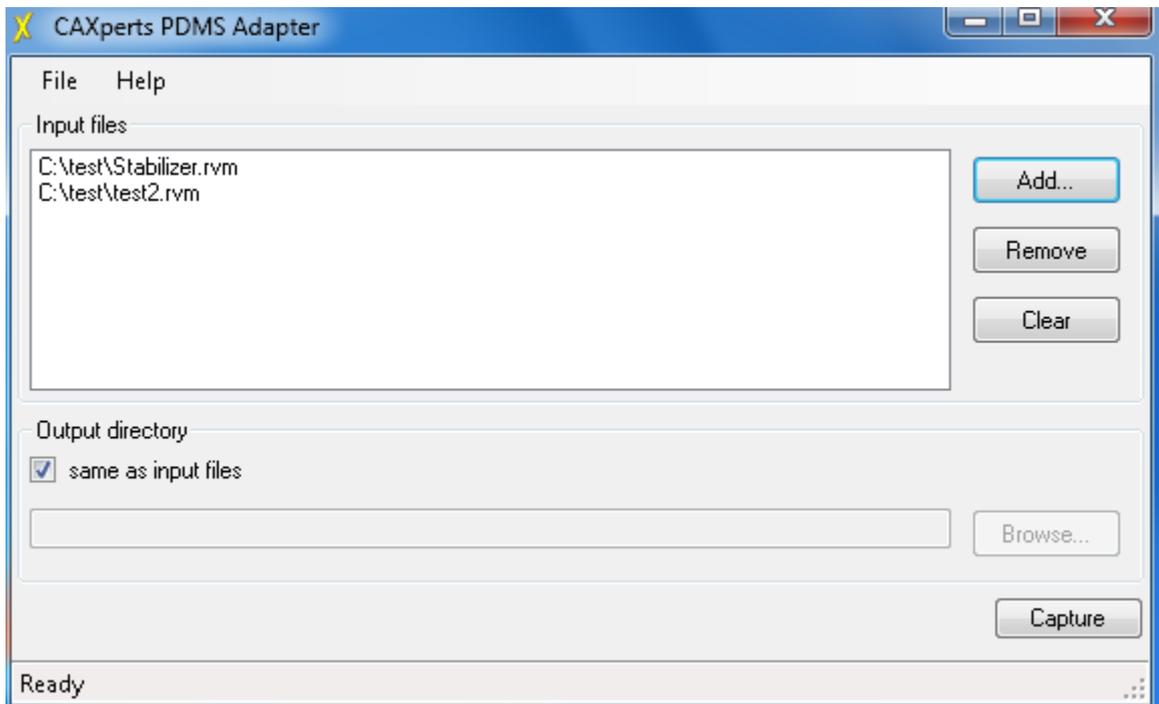


The seat can be returned earlier by pressing the **Return borrowed seat** button.



3 Using PDMS Adapter

Start **PDMS Adapter** and select an **input file** or many **input files**. PDMS *.rvm files are supported. Attribute files *.att or *.txt should be located in the same folder with the same name of the related *.rvm files.



Output directory: defines the path to the *.upvc output file. The file contains all required information (like graphics or attributes) in order to generate UniversalPlantViewer or 3D PDF output using CAXperts **UniversalPlantViewer Builder** software.

If the *.upvc output file already exists, **PDMS Adapter** will work in update mode and re-capture only if the last modified date of the *.rvm is newer than the *.upvc file.

3.1 Command line mode

PDMS Adapter can also be used in command line mode. Use the following command to show the command line arguments:

```
C:\>"C:\Program Files (x86)\CAXperts\PDMS Adapter\PDMS Adapter.exe" /?
```

Command line arguments:

```
PDMS Adapter.exe -input:C:\Example.rvm [-output:C:\Output\Example.upvc]
    -input:C:\Example.rvm <Occurance: ExactlyOnce, Help Text: Path to a PDMS r
m session or a directory or multiple rvm files seperated by ';' .>
    -output:C:\Output\Example.upvc <Occurance: AtMostOnce, Help Text: Path of t
he output file or the output directoy.>
```

4 Log files

The software creates log files in the local TEMP directory (e.g. "C:\Temp\PDMS Adapter\"). The user can also open these files by double-clicking on the CAXperts **PDMS Adapter** status bar.

```

2017-06-13_114704_PDMS Adapter.log - Notepad
File Edit Format View Help
13/06/2017 11:47:04 [1] INFO - Application started...
*****
* CAXperts GmbH *
* Carl-Zeiss-Ring 4 *
* 85737 Ismaning (near Munich) *
* GERMANY *
* *
* Phone: +49 (89) 96 97 72 0 *
* Fax: +49 (89) 96 97 72 11 *
* URI: http://www.CAXperts.com *
*****
* Application: PDMS Adapter *
* Path: D:\RVM\Deploy\PDMS Adapter_x86.exe *
* Version: 1.0.1705.2302 *
* Platform: x86 *
* Date: 5/23/2017 16:02:07 *
* Size: 1,992,192 Bytes *
*****
OSFullName=Microsoft windows 7 Ultimate
OSPlatform=win32NT
OSVersion=6.1.7601.65536
AvailablePhysicalMemory=10,855,608,320 Bytes
*****
ALLUSERSPROFILE=C:\ProgramData
AMDAPPSDKROOT=C:\Program Files (x86)\AMD APP\
APPDATA=C:\Users\pd\AppData\Roaming
CommonProgramFiles(x86)=C:\Program Files (x86)\Common Files
CommonProgramFiles=C:\Program Files (x86)\Common Files
CommonProgram6432=C:\Program Files\Common Files
COMPUTERNAME=CAXN005
ComSpec=C:\Windows\system32\cmd.exe
FP_NO_HOST_CHECK=NO
GTK_BASEPATH=C:\Program Files (x86)\gtksharp\2.12\
HOMEDRIVE=C:
HOMEPATH=Users\pd
LOCALAPPDATA=C:\Users\pd\AppData\Local
LOGONSERVER=\\CAXN005
NUMBER_OF_PROCESSORS=4
OS=Windows_NT
Path=C:\ProgramData\oracle\java\javapath;c:\Program Files (x86)\Intel\iCLS Client;c:\Program Files\Intel\iCLS Client;c:\oracle\product\11.2.0\cl
;c:\Program Files\Microsoft\Web Platform Installer;c:\Program Files (x86)\Microsoft ASP.NET\ASP.NET Web Pages\v1.0;c:\Program Files\Microsoft SQ
PATHEXT=.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC
PROCESSOR_ARCHITECTURE=x86
PROCESSOR_ARCHITIMEW6432=AMD64
PROCESSOR_IDENTIFIER=Intel64 Family 6 Model 58 Stepping 9, genuineIntel
PROCESSOR_LEVEL=6
PROCESSOR_REVISION=3a09
ProgramData=C:\ProgramData
ProgramFiles(x86)=C:\Program Files (x86)
ProgramFiles=C:\Program Files (x86)
    
```

5 Technical support

Need more help? Contact CAXperts support by email, online, or phone:

[mailto: support@caxperts.com](mailto:support@caxperts.com)

www.caxperts.com