

# Release Notes for CodeWrights iDTM-FDI PACTware

## Delivery information

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<b>Supplier details:</b>	
Sender	Annelie Lamprecht annelie.lamprecht@codewrights.de
Contact person	Annelie Lamprecht annelie.lamprecht@codewrights.de
<b>Customer details:</b>	
Customer	PACTware Consortium e.V. Panoramastraße 16 76327 Pfinztal Germany
Receiver	Stefan Kümper SKuemper@de.pepperl-fuchs.com
Contact person	Stefan Kümper SKuemper@de.pepperl-fuchs.com



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## 1. Features of Release

### 1.1 Project Content

The CodeWrights iDTM-FDI PACTware V1.8.98 is delivered as standalone Setup based on iDTM-FDI Platform V1.8.28.

The following features/functions are released:

- Update of FDI components
- Support multiple versions of UIP
- Support PROFINET network scan
- Help button to open folder with FDI Package documents

### 1.2 CodeWrights Products or Components specific

The CodeWrights iDTM-FDI PACTware contains no device types. Each device type will be added with a FDI device package.

### 1.3 Supported FDT Frame applications

The CodeWrights iDTM-FDI PACTware supports the following FDT Frames:

- PACTware 6.1

### 1.4 Used Components and Licenses

The CodeWrights iDTM-FDI PACTware contains following components that require additional license information

Component	Copyright Information
FDI Common Host Components (Version 1.6.0.3196)	Copyright (c) FieldComm Group, Inc
FDT DTM-CC (FDT 2.0) (Version 1.0.4.31)	Copyright (c) FDT Group
LightInject (Version 4.1.0)	Copyright (c) 2017 Bernhard Richter
SVG.NET (Version 2.2.1.549)	Copyright (c) SVG.NET Contributors
XAdES Starter Kit for Microsoft .NET3.5	Copyright ©2014 2010 Microsoft France
SQLite (Version 1.0.102)	Public Domain
Dapper (Version 1.50.2)	Copyright (c) Dapper Contributors
Apache log4net (Version 2.0.14)	Copyright 2004-2021 The Apache Software Foundation
Sanford State Machine Toolkit (Version 1.0.1.1)	Copyright 2007 Leslie Sanford The Code Project Open License (CPOL) 1.02
Newtonsoft.Json (Version 13.0.3)	Copyright (c) 2007 James Newton-King

The relevant license texts and notices are accessible via the document "Licenses.htm" that can be found in the folder C:\Program Files (x86)\CodeWrights\CodeWrights\iDTM-FDI PACTware\1.8.98\Documents\



## 2. System requirements

The software does not require any special system resource requirements.

However, please note the requirements for the Windows version used (at least Windows10) and the host application used.

### 2.1 System resources

The software requires the following minimal PC resources:

- 1 gigahertz (GHz) or faster 64-bit (x64) processor with at least 2 cores
- 1 gigabyte (GB) RAM 2 GB RAM (64-bit)
- Screen Resolution at least 1024x768 pixels

### 2.2 Operating systems

The software has been tested and will be released under the following operating systems:

- Windows 11
- Windows Server 2022

### 2.3 Requirements

The software requires

- Approx. 500 MB hard disk space (including c++ runtime and C# runtime)

## 3. Installation Instructions

Execute the installation package and follow the instruction of the setup wizard to complete the installation. After the installation of iDTM-FDI PACTware using the PACTware FDI plugin to manage FDI device packages in PACTware.



## 4. Change history

### 4.1 Changes in version 1.8.98

- Update to FDI Host Components Release 1.6.0.1
- Support multiple versions of UIP
- Support PROFINET network scan
- Support PlatformID "WorkstationAndMobile" for UIP, fix of #33749
- Help button to open folder with FDI Package documents
- Fix vulnerability in Newtonsoft.Json by update to new version
- Fix of #33745 "Remove of FDI packages can corrupt device type"

### 4.2 Changes in version 1.7.31

- Signed setup

### 4.3 Changes in version 1.7.22

- Update to FDI Host Components Release 1.5.0.1
- Update to FDT Common Component Release 1.0.4.31
- Supported FDI technology version updated to 1.3. In addition, FDI device packages with newer versions are not rejected with an error. Rather, a warning is issued, and the device package is loaded, since backwards compatibility should be present.
- Update to CefSharp update 86.0.24
- Corrected FDT Print for Profibus and Profinet
- Corrected crash for not valid XML characters
- Corrected connect (FDT2.0 system tag was used instead of FDT 1.2 system Tag)

### 4.4 Changes in version 1.6.129

- Upgrade of setup consider imported FDI packages
- Adding and Remove of FDI packages with read only flag supported

### 4.5 Initial version 1.6.108

- DTM provided FDT2.0 technology
- DTM registration based on PACTware specific path
- DTM support HART, Profibus and PROFINET FDI device packages



## 5. Known issues

ID	Summary	Description
#110472	Data on inactive offline UI function not always automatically refreshed after upload	When the user opens offline and online parameter view, modify online parameter, perform upload and switch back to offline view. Offline parameter may stay not refreshed (automatically). To refresh parameter the offline view, need to be closed and opened again.

## 6. Limitations

Description	Symptom
<b>DTM related:</b> UI built-ins are not protected during disconnection	When the user disconnects the DTM while a DD method is executing, then an extra UI layer as online protector is shown below the UI built-in dialog, making it still possible to interact as a user which should not be allowed.
<b>FDT2 Related:</b> IInstanceData, IDeviceData and IComparison	The IComparison is not implemented and the IInstanceData, IDeviceData do not provide any data. The dataset comparison is not supported.
<b>FDT2 Related:</b> IProcessData	The IProcessData is not implemented.
<b>HART Related:</b> Loop Warning variables are not displayed	The DD specification requires that a warning is displayed when variables that influences the loop current are modified. This warning is not displayed to the user in this version.
<b>HART Related:</b> Online FILEs are not stored	Using the DD FILE construct, it should be possible to restore values in the online dataset. This is currently not supported by the iDTM-FDI.
<b>HART Related:</b> HART Burst Mode	HART burst messages are ignored.
<b>Profibus Related:</b> Bus Master Configuration is not supported	To support the frame communicating cyclically with the device the Profibus DTMs have to support a Bus Master Configuration. The required FDT function is not provided by iDTM-FDI.
<b>Profibus Related:</b> Device Type Check	During connect the iDTM-FDI normally checks whether the instantiated FDI package and the connected device match. For Profibus PA devices only the manufacturer Id is checked. Neither the ident number nor the device hardware revision is checked. For Profibus DP devices the device type check is not supported at all and the DTM will always connect to the device.
<b>Profinet Related:</b> Device Type Check	During connect the iDTM-FDI normally checks whether the instantiated FDI package and the connected device match. For Profinet devices the device type check is not supported and the DTM will always connect to the device.
<b>PACTware related:</b> Import of FDI package	During DTM instantiation, the user tries to add a new device package and an exception occurs in the PACTware plugin. Workaround: Restart PACTware and import all required packages before opening an existing project or instantiating a DTM.