

API Reference

Autodesk FDO User Management Utility

[Main Page](#)

[Classes](#)

[Files](#)

Introduction

The FDO Data Store Management Utility is an API used to manage FDO schema.

It is mainly used to transform an input XMI stream to an output GML stream.

For more information on the FDO API and providers, see the the FDO API Help and individual provider API Help.

[Comments?](#)

API Reference

Autodesk FDO User Management Utility

[Main Page](#)[Classes](#)[Files](#)

[Alphabetical List](#)[Class List](#)[Class Members](#)

XmiFdoSchemaTransform Class Reference

[List of all members.](#)

Detailed Description

Definition at line [28](#) of file [XmiFdoSchemaTransform.h](#).

Static Public Member Functions

[XmiToFdo](#) (FdoXmlReader *pXmi,
static FDOSHEMA_API bool FdoXmlWriter *pGml, FdoIoTextWriter
*pLog)

Transforms an input XMI stream to an output
GML stream.

[Comments?](#)

[Main Page](#)[Classes](#)[Files](#)[Alphabetical List](#)[Class List](#)[Class Members](#)[All](#)[Functions](#)

Here is a list of all class members with links to the classes they belong to:

- XmiToFdo() : [XmiFdoSchemaTransform](#)

define_pages.h File Reference

[Go to the source code of this file.](#)

[Comments?](#)

API Reference

Autodesk FDO User Management Utility

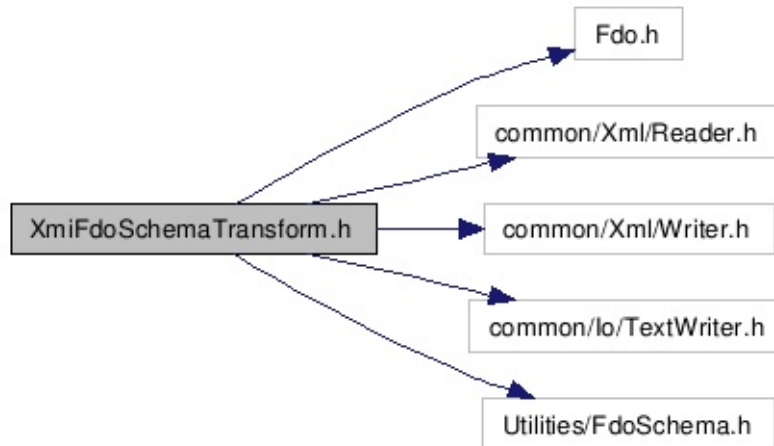
[Main Page](#)

[Classes](#)

[Files](#)

XmiFdoSchemaTransform.h File Reference

Include dependency graph for XmiFdoSchemaTransform.h:



[Go to the source code of this file.](#)

Classes

class [XmiFdoSchemaTransform](#)

[Comments?](#)

API Reference

Autodesk FDO User Management Utility

[Main Page](#)[Classes](#)[Files](#)

[Alphabetical List](#)[Class List](#)[Class Members](#)

FDO Data Store Management Utility API Reference Class Index

[X](#)

X

[XmiFdoSchemaTransform](#)

[X](#)

[Comments?](#)

FDO Data Store Management Utility API Reference File List

Here is a list of all files with brief descriptions:

[define_pages.h](#) [code]

[XmiFdoSchemaTransform.h](#) [code]

[Comments?](#)

API Reference

Autodesk FDO User Management Utility

[Main Page](#)[Classes](#)[Files](#)

[Alphabetical List](#)[Class List](#)[Class Members](#)

FDO Data Store Management Utility API Reference Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

[XmiFdoSchemaTransform](#)

[Comments?](#)

API Reference

Autodesk FDO User Management Utility

[Main Page](#)[Classes](#)[Files](#)

[Alphabetical List](#)[Class List](#)[Class Members](#)

XmiFdoSchemaTransform Member List

This is the complete list of members for [XmiFdoSchemaTransform](#), including all inherited members.

[XmiToFdo](#)(FdoXmlReader *pXmi,
FdoXmlWriter *pGml, FdoIoTextWriter *pLog) [XmiFdoSchemaTransform](#) [static]

[Comments?](#)

API Reference

Autodesk FDO User Management Utility

[Main Page](#)

[Classes](#)

[Files](#)

XmiFdoSchemaTransform.h

[Go to the documentation of this file.](#)

```
00001 #ifndef FDO_XMIFDOSCHEMATRANSFORM_H
00002 #define FDO_XMIFDOSCHEMATRANSFORM_H
00003 //
00004
00005 //
00006 // Copyright (C) 2004-2006 Autodesk, Inc.
00007 //
00008 // This library is free software; you can redistribute it and
00009 // modify it under the terms of version 2.1 of the GNU Lesser
00010 // General Public License as published by the Free Software F
00011 //
00012 // This library is distributed in the hope that it will be us
00013 // but WITHOUT ANY WARRANTY; without even the implied warrant
00014 // MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See
00015 // Lesser General Public License for more details.
00016 //
00017 // You should have received a copy of the GNU Lesser General
00018 // License along with this library; if not, write to the Free
00019 // Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA
00020
00021 #include <Fdo.h>
00022 #include <common/Xml/Reader.h>
00023 #include <common/Xml/Writer.h>
00024 #include <common/IO/TextWriter.h>
00025 #include <Utilities/FdoSchema.h>
00026
00027
00028 class XmiFdoSchemaTransform
00029 {
00030 public:
00031     /// <summary>Transforms an input XMI stream to an output G
00032     /// <param name="pXmi">A FdoXmlReader object from which th
00033     /// <param name="pGml">A FdoXmlWriter object to which the
00034     /// <param name="pLog">A FdoIoTextWriter object to which l
00035     /// <returns>Returns true if it succeeded without warnings
00036     /// <remarks>
00037     ///     The output GML stream can be passed along to an FDO
00038     ///     which can then be passed along to the provider's Fd
00039     ///     Alternatively, the output GML stream can be passed
00040     ///     if the provider supports it.
00041     ///     If any errors occur during the translation process,
00042     /// </remarks>
```

```
00043     FDOSchema_API static bool XmiToFdo(FdoXmlReader* pXmi, Fdo
00044 };
00045
00046
00047 #endif // FDO_XMIFDOSCHEMATRANSFORM_H
```

[Comments?](#)

[XmiFdoSchemaTransform](#)

```

static FDOSCHEMA_API bool
XmiFdoSchemaTransform::XmiToFdo ( FdoXmlReader  pXmi,
                                  *
                                  FdoXmlWriter  pGml,
                                  *
                                  FdoIoTextWriter pLog
                                  *
                                  ) [st

```

Transforms an input XMI stream to an output GML stream.

Parameters:

- pXmi* A FdoXmlReader object from which the input XMI stream will be read.
- pGml* A FdoXmlWriter object to which the output GML stream will be written.
- pLog* A FdoIoTextWriter object to which logging information (messages and warnings) will be sent; can be null

[XmiToFdo](#)**Returns:**

Returns true if it succeeded without warnings and false if it succeeded with warnings. On error, an exception is thrown.

The output GML stream can be passed along to an FDO provider's FdoFeatureSchemaCollection object's ReadXml method in order to create an in-memory logical feature schema, which can then be passed along to the provider's FdoIApplySchema command's SetFeatureSchema method if the provider supports it. Alternatively, the output GML stream can be passed along to a provider's FdoIConnection object's SetConfiguration method, if the provider supports it. If any errors occur during the translation process, an exception is thrown (as opposed to being sent to the logging object).

API Reference

Autodesk FDO User Management Utility

[Main Page](#)[Classes](#)[Files](#)[Alphabetical List](#)[Class List](#)[Class Members](#)[All](#)[Functions](#)

- XmiToFdo() : [XmiFdoSchemaTransform](#)

[Comments?](#)

API Reference

Autodesk FDO User Management Utility

[Main Page](#)

[Classes](#)

[Files](#)

define_pages.h

[Go to the documentation of this file.](#)

```
00001 /*! \mainpage Introduction
00002 <div class="mainpage">
00003 <!-- This is the index.html page that the user first sees. -->
00004
00005 <p>The FDO Data Store Management Utility is an API used to man
00006 </p>
00007
00008 <p>It is mainly used to transforms an input XMI stream to an o
00009 </p>
00010
00011 <p>For more information on the FDO API and providers, see the
00012 the FDO API Help and individual provider API Help.
00013 </p>
00014
00015
00016 <br>
00017 </div>
00018
00019 <br>
00020
00021 */
00022
00023
00024
00025
```