

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

Introduction

The Feature Data Objects (FDO) API provides access to data in a data store. A provider is a specific implementation of the FDO API that provides access to data in a particular data store. The FDO Provider for WMS provides FDO with access to a WMS-based data store.

An Open Geospatial Consortium (OGC) Web Map Service (WMS) produces maps of spatially referenced data dynamically from geographic information. This international standard defines a "map" to be a portrayal of geographic information as a digital image file suitable for display on a computer screen. A map is not the data itself. Maps by WMS are generally rendered in a pictorial format, such as PNG, GIF or JPEG, or occasionally as vector-based graphical elements in Scalable Vector Graphics (SVG) or Web Computer Graphics Metafile (WebCGM) formats.

The FDO Provider for WMS has the following characteristics:

- The FDO Provider for WMS serves up map information originating from an OGC Basic Web Map Service that provides pictorially formatted images, such as PNG, GIF, or JPEG.
- WMS map data is exposed through an FDO feature schema whose classes contain an FDO Raster property definition. The FDO schema exposed from the FDO Provider for WMS conforms to a pre-defined FDO schema that is specific to WMS and that acts as the basis for all FDO interaction with WMS data, regardless of the originating source of the WMS images.
- WMS data manipulation operations are limited to querying features based on spatial and non-spatial constraints. Schema manipulation operations are not supported.

The FDO Provider for WMS can run in a multi-platform environment, including Windows and Linux.

For more information, see *The Essential FDO* (FET_TheEssentialFDO.pdf) and the *FDO Developer's Guide* (FDG_FDODevGuide.pdf).

API Reference

OSGeo FDO Provider for WMS

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

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

FdoWmsOvClassCollection Class Reference

#include <[FdoWmsOvClassCollection.h](#)>

[List of all members.](#)

Detailed Description

The [FdoWmsOvClassCollection](#) holds a list of WMS physical class mapping definitions.

Definition at line [31](#) of file [FdoWmsOvClassCollection.h](#).

Static Public Member Functions

static FDOWMS_API [FdoWmsOvClassCollection](#) * [Create](#) (FdoPhysicalElementMapp
*parent)
Constructs a new empty Cl
Definition collection.

The documentation for this class was generated from the following file:

- [FdoWmsOvClassCollection.h](#)
-

[Comments?](#)

API Reference

OSGeo FDO Provider for WMS

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

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

FdoWmsOvClassDefinition Class Reference

#include <[FdoWmsOvClassDefinition.h](#)>

[List of all members.](#)

Detailed Description

The [FdoWmsOvClassDefinition](#) class defines mapping overrides for a WMS feature class that exposes WMS layers as an FDO class. The properties defined here will be used in the WMS Getap operation when querying data from the WMS server.

Definition at line [34](#) of file [FdoWmsOvClassDefinition.h](#).

Public Member Functions

virtual FDOWMS_API FdoStringP [GetQualifiedName](#) ()

Gets the fully qualified name of this element.

FDOWMS_API [FdoWmsOvRasterDefinition](#) * [GetRasterDefinition](#) ()

Gets the physical overrides for a raster property definition.

[SetRasterDefinition](#)

FDOWMS_API void ([FdoWmsOvRasterDefinition](#) *rasterDefinition)

Sets the physical overrides for a raster property definition.

Static Public Member Functions

static FDOWMS_API [FdoWmsOvClassDefinition](#) * [Create](#) ()

Constructs a new empty
WMS physical mapping
class definition.

The documentation for this class was generated from the following file:

- [FdoWmsOvClassDefinition.h](#)

[Comments?](#)

API Reference

OSGeo FDO Provider for WMS

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

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

FdoWmsOvLayerCollection Class Reference

#include <[FdoWmsOvLayerCollection.h](#)>

[List of all members.](#)

Detailed Description

The [FdoWmsOvLayerCollection](#) holds a list of WMS Layer definitions.

Definition at line [31](#) of file [FdoWmsOvLayerCollection.h](#).

Static Public Member Functions

static FDOWMS_API [FdoWmsOvLayerCollection](#) * [Create](#) (FdoPhysicalElementMap
*parent)
Constructs a new empty Layer
Definition collection.

The documentation for this class was generated from the following file:

- [FdoWmsOvLayerCollection.h](#)
-

[Comments?](#)

API Reference

OSGeo FDO Provider for WMS

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

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

FdoWmsOvLayerDefinition Class Reference

#include <[FdoWmsOvLayerDefinition.h](#)>

[List of all members.](#)

Detailed Description

The [FdoWmsOvLayerDefinition](#) class represents a WMS Layer defined on a WMS Server. A request to render a Map through WMS will allow multiple layers to be specified in order to form a composite image.

Definition at line [33](#) of file [FdoWmsOvLayerDefinition.h](#).

Public Member Functions

FDOWMS_API [FdoWmsOvStyleDefinition](#) * [GetStyle](#) (void) const
Gets the WMS style that will be used to render a WMS layer in a composit WMS image.

[SetStyle](#)
FDOWMS_API void ([FdoWmsOvStyleDefinition](#) *style)
Sets the WMS style that will be used to render a WMS layer in a composit WMS image.

Static Public Member Functions

static FDOWMS_API [FdoWmsOvLayerDefinition](#) * [Create](#) ()

Constructs a new empty layer definition.

The documentation for this class was generated from the following file:

- [FdoWmsOvLayerDefinition.h](#)

[Comments?](#)

API Reference

OSGeo FDO Provider for WMS

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

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

FdoWmsOvPhysicalSchemaMapping Class Reference

#include <[FdoWmsOvPhysicalSchemaMapping.h](#)>

[List of all members.](#)

Detailed Description

[FdoWmsOvPhysicalSchemaMapping](#) is the concrete class that defines the Schema Overrides for a WMS Provider logical schema.

Definition at line [31](#) of file [FdoWmsOvPhysicalSchemaMapping.h](#).

Public Member Functions

FDOWMS_API [FdoWmsOvClassCollection](#) * [GetClasses](#) ()

Gets the collection of Class Definition.

virtual FDOWMS_API FdoString * [GetProvider](#) ()

Gets the name of the applicable FDO provider.

Static Public Member Functions

static FDOWMS_API [FdoWmsOvPhysicalSchemaMapping](#) * [Create](#) ()
Constructs a new physical schema mapping.

The documentation for this class was generated from the following file:

- [FdoWmsOvPhysicalSchemaMapping.h](#)
-

[Comments?](#)

API Reference

OSGeo FDO Provider for WMS

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

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

FdoWmsOvRasterDefinition Class Reference

#include <[FdoWmsOvRasterDefinition.h](#)>

[List of all members.](#)

Detailed Description

The [FdoWmsOvRasterDefinition](#) class defines the physical overrides for a raster property in a WMS FDO schema.

Definition at line [31](#) of file [FdoWmsOvRasterDefinition.h](#).

Public Member Functions

- FDOWMS_API FdoString * [GetBackgroundColor](#) (void) const
Gets the background color.
- FDOWMS_API FdoString * [GetElevationDimension](#) (void) const
Gets the elevation dimension of the requested WMS map.
- FDOWMS_API FdoString * [GetImageFormat](#) (void)
Gets the format type in which the WMS image will be generated.
- FDOWMS_API [FdoWmsOvLayerCollection](#) * [GetLayers](#) (void) const
Gets the WMS layers that will be used to construct the composite WMS image.
- virtual FDOWMS_API FdoStringP [GetQualifiedName](#) ()
Gets the fully qualified name of this element.
- FDOWMS_API FdoString * [GetSpatialContextName](#) (void) const
Gets the spatial context in which the requested WMS map will be returned.
- FDOWMS_API FdoString * [GetTimeDimension](#) (void) const
Gets the time dimension of the requested WMS map.
- FDOWMS_API FdoBoolean [GetTransparent](#) (void) const
Gets the transparency state.
- FDOWMS_API FdoBoolean [GetUseTileCache](#) (void) const
Gets the tile caching option

value.

- FDOWMS_API void [SetBackgroundColor](#) (FdoString *bgColor)
Sets the background color.
- FDOWMS_API void [SetElevationDimension](#) (FdoString *dimension)
Sets the time dimension of the requested WMS map.
- FDOWMS_API void [SetImageFormat](#) (FdoString *value)
Sets the format type in which the WMS image will be generated.
- FDOWMS_API void [SetSpatialContextName](#) (FdoString *value)
Sets the spatial context in which the requested WMS map will be returned.
- FDOWMS_API void [SetTimeDimension](#) (FdoString *time)
Sets the time dimension of the requested WMS map.
- FDOWMS_API void [SetTransparent](#) (FdoBoolean transparent)
Sets the transparency state.
- FDOWMS_API void [SetUseTileCache](#) (FdoBoolean value)
Sets the tile caching option value.

Static Public Member Functions

static FDOWMS_API [FdoWmsOvRasterDefinition](#) * [Create](#) ()

Constructs a new Raster
Definition.

Friends

class [FdoWmsOvClassDefinition](#)

The documentation for this class was generated from the following file:

- [FdoWmsOvRasterDefinition.h](#)
-

[Comments?](#)

API Reference

OSGeo FDO Provider for WMS

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

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

FdoWmsOvStyleDefinition Class Reference

#include <[FdoWmsOvStyleDefinition.h](#)>

[List of all members.](#)

Detailed Description

The [FdoWmsOvStyleDefinition](#) class defines a WMS style that will be used to stylize a WMS layer.

Definition at line [30](#) of file [FdoWmsOvStyleDefinition.h](#).

Static Public Member Functions

static FDOWMS_API [FdoWmsOvStyleDefinition](#) * [Create](#) ()

Constructs a new empty style definition.

The documentation for this class was generated from the following file:

- [FdoWmsOvStyleDefinition.h](#)

[Comments?](#)

Main Page	Classes	Files
Alphabetical List	Class List	Class Members
All	Functions	Related Functions
c	f	g s

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

- **c** -

- Create() : [FdoWmsOvClassCollection](#) , [FdoWmsOvStyleDefinition](#) , [FdoWmsOvRasterDefinition](#) , [FdoWmsOvPhysicalSchemaMapping](#) , [FdoWmsOvLayerDefinition](#) , [FdoWmsOvLayerCollection](#) , [FdoWmsOvClassDefinition](#)

- **f** -

- FdoWmsOvClassDefinition : [FdoWmsOvRasterDefinition](#)

- **g** -

- GetBackgroundColor() : [FdoWmsOvRasterDefinition](#)
- GetClasses() : [FdoWmsOvPhysicalSchemaMapping](#)
- GetElevationDimension() : [FdoWmsOvRasterDefinition](#)
- GetImageFormat() : [FdoWmsOvRasterDefinition](#)
- GetLayers() : [FdoWmsOvRasterDefinition](#)
- GetProvider() : [FdoWmsOvPhysicalSchemaMapping](#)
- GetQualifiedName() : [FdoWmsOvClassDefinition](#) , [FdoWmsOvRasterDefinition](#)
- GetRasterDefinition() : [FdoWmsOvClassDefinition](#)
- GetSpatialContextName() : [FdoWmsOvRasterDefinition](#)
- GetStyle() : [FdoWmsOvLayerDefinition](#)
- GetTimeDimension() : [FdoWmsOvRasterDefinition](#)
- GetTransparent() : [FdoWmsOvRasterDefinition](#)
- GetUseTileCache() : [FdoWmsOvRasterDefinition](#)

- **s** -

- SetBackgroundColor() : [FdoWmsOvRasterDefinition](#)
- SetElevationDimension() : [FdoWmsOvRasterDefinition](#)
- SetImageFormat() : [FdoWmsOvRasterDefinition](#)
- SetRasterDefinition() : [FdoWmsOvClassDefinition](#)
- SetSpatialContextName() : [FdoWmsOvRasterDefinition](#)
- SetStyle() : [FdoWmsOvLayerDefinition](#)
- SetTimeDimension() : [FdoWmsOvRasterDefinition](#)
- SetTransparent() : [FdoWmsOvRasterDefinition](#)
- SetUseTileCache() : [FdoWmsOvRasterDefinition](#)

API Reference

OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

define_pages.h File Reference

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

[Comments?](#)

API Reference

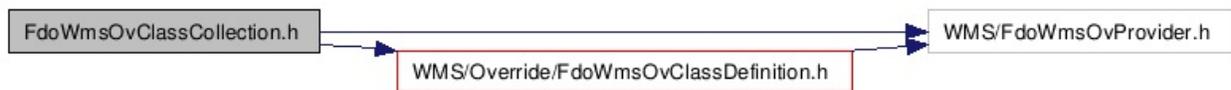
OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

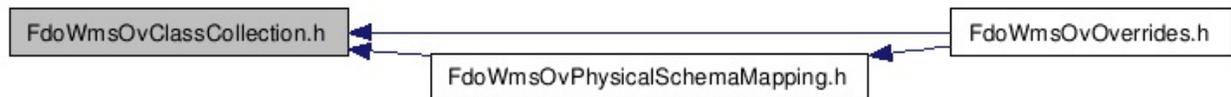
FdoWmsOvClassCollection.h File Reference

```
#include <WMS/FdoWmsOvProvider.h> #include  
<WMS/Override/FdoWmsOvClassDefinition.h>
```

Include dependency graph for FdoWmsOvClassCollection.h:



This graph shows which files directly or indirectly include this file:



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

Classes

class [FdoWmsOvClassCollection](#)

The [FdoWmsOvClassCollection](#) holds a list of WMS physical class mapping definitions. [More...](#)

Typedefs

typedef FdoPtr< [FdoWmsOvClassCollection](#) > [FdoWmsOvClassesP](#)

[FdoWmsClassesP](#) is a [GisPtr](#) on [FdoWmsOvClassCollection](#), provided for convenience.

[Comments?](#)

API Reference

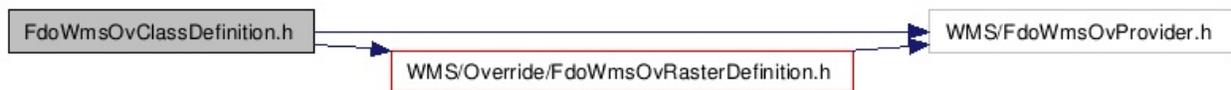
OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

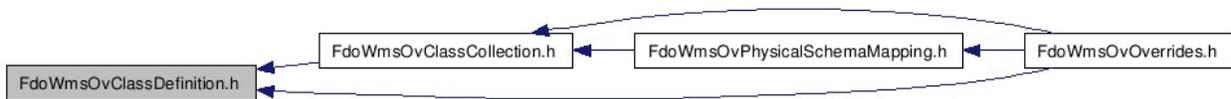
FdoWmsOvClassDefinition.h File Reference

```
#include <WMS/FdoWmsOvProvider.h> #include  
<WMS/Override/FdoWmsOvRasterDefinition.h>
```

Include dependency graph for FdoWmsOvClassDefinition.h:



This graph shows which files directly or indirectly include this file:



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

Classes

class [FdoWmsOvClassDefinition](#)

The [FdoWmsOvClassDefinition](#) class defines mapping overrides for a WMS feature class that exposes WMS layers as an FDO class. The properties defined here will be used in the WMS Getap operation when querying data from the WMS server. [More...](#)

Typedefs

typedef FdoPtr< [FdoWmsOvClassDefinition](#) > [FdoWmsOvClassDefinitionP](#)

[FdoWmsOvClassDefinitionP](#) is
a FdoPtr on
[FdoWmsOvClassDefinition](#),
provided for convenience.

[Comments?](#)

API Reference

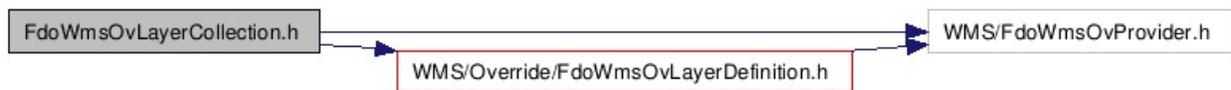
OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

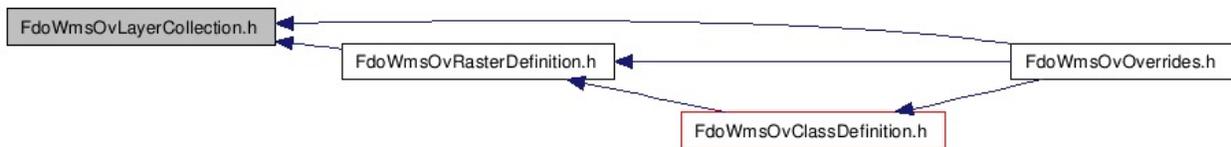
FdoWmsOvLayerCollection.h File Reference

```
#include <WMS/FdoWmsOvProvider.h> #include  
<WMS/Override/FdoWmsOvLayerDefinition.h>
```

Include dependency graph for FdoWmsOvLayerCollection.h:



This graph shows which files directly or indirectly include this file:



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

Classes

class [FdoWmsOvLayerCollection](#)

The [FdoWmsOvLayerCollection](#) holds a list of WMS Layer definitions.
[More...](#)

Typedefs

typedef FdoPtr< [FdoWmsOvLayerCollection](#) > [FdoWmsOvLayersP](#)

FdoWmsLayersP is a GisPtr
on
[FdoWmsOvLayerCollection](#),
provided for convenience.

[Comments?](#)

API Reference

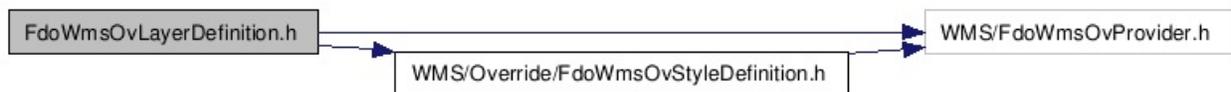
OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

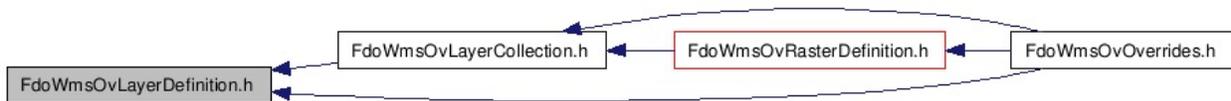
FdoWmsOvLayerDefinition.h File Reference

```
#include <WMS/FdoWmsOvProvider.h> #include  
<WMS/Override/FdoWmsOvStyleDefinition.h>
```

Include dependency graph for FdoWmsOvLayerDefinition.h:



This graph shows which files directly or indirectly include this file:



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

Classes

class [FdoWmsOvLayerDefinition](#)

The [FdoWmsOvLayerDefinition](#) class represents a WMS Layer defined on a WMS Server. A request to render a Map through WMS will allow multiple layers to be specified in order to form a composite image.

[More...](#)

Typedefs

typedef FdoPtr< [FdoWmsOvLayerDefinition](#) > [FdoWmsOvLayerDefinitionP](#)

FdoWmsOvLayerDefinitionP is
a FdoPtr on
[FdoWmsOvLayerDefinition](#),
provided for convenience.

[Comments?](#)

API Reference

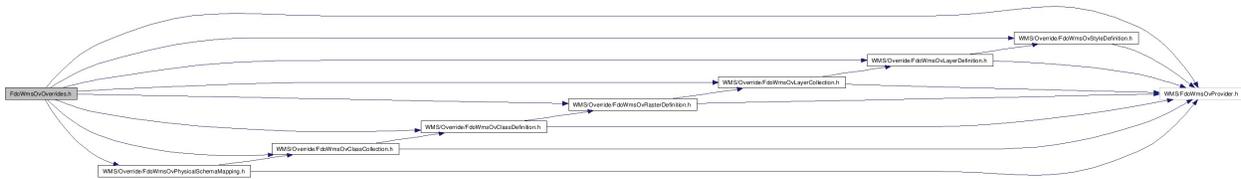
OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

FdoWmsOvOverrides.h File Reference

```
#include <WMS/FdoWmsOvProvider.h> #include  
<WMS/Override/FdoWmsOvStyleDefinition.h>  
#include <WMS/Override/FdoWmsOvLayerDefinition.h>  
#include <WMS/Override/FdoWmsOvLayerCollection.h>  
#include <WMS/Override/FdoWmsOvClassDefinition.h>  
#include <WMS/Override/FdoWmsOvRasterDefinition.h>  
#include <WMS/Override/FdoWmsOvClassCollection.h>  
#include <WMS/Override/FdoWmsOvPhysicalSchemaMapping.h>
```

Include dependency graph for FdoWmsOvOverrides.h:



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

API Reference

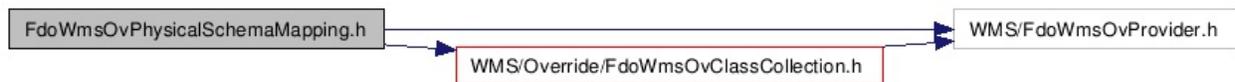
OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

FdoWmsOvPhysicalSchemaMapping. File Reference

```
#include <WMS/FdoWmsOvProvider.h> #include  
<WMS/Override/FdoWmsOvClassCollection.h>
```

Include dependency graph for FdoWmsOvPhysicalSchemaMapping.h:



This graph shows which files directly or indirectly include this file:



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

Classes

class [FdoWmsOvPhysicalSchemaMapping](#)

[FdoWmsOvPhysicalSchemaMapping](#) is the concrete class that defines the Schema Overrides for a WMS Provider logical schema. [More...](#)

Typedefs

typedef FdoPtr< [FdoWmsOvPhysicalSchemaMapping](#) > [FdoWmsOvPhysicalSc](#)
FdoWmsOvPhysicalSc
is a FdoPtr on
[FdoWmsOvPhysicalSc](#)
provided for convenien

[Comments?](#)

API Reference

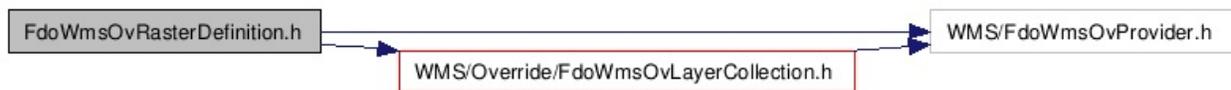
OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

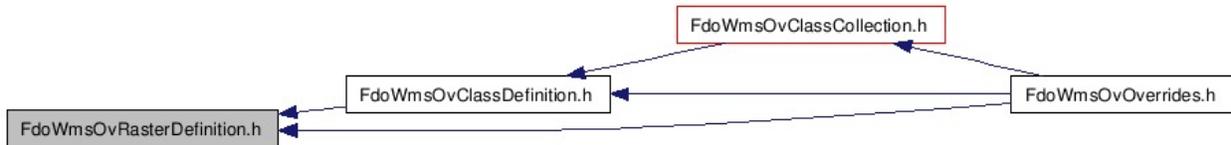
FdoWmsOvRasterDefinition.h File Reference

```
#include <WMS/FdoWmsOvProvider.h> #include  
<WMS/Override/FdoWmsOvLayerCollection.h>
```

Include dependency graph for FdoWmsOvRasterDefinition.h:



This graph shows which files directly or indirectly include this file:



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

Classes

class [FdoWmsOvRasterDefinition](#)

The [FdoWmsOvRasterDefinition](#) class defines the physical overrides for a raster property in a WMS FDO schema. [More...](#)

Typedefs

typedef FdoPtr< [FdoWmsOvRasterDefinition](#) > [FdoWmsOvRasterDefinitionP](#)
FdoWmsOvRasterDefinitionP
is a FdoPtr on
[FdoWmsOvRasterDefinition](#),
provided for convenience.

[Comments?](#)

API Reference

OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

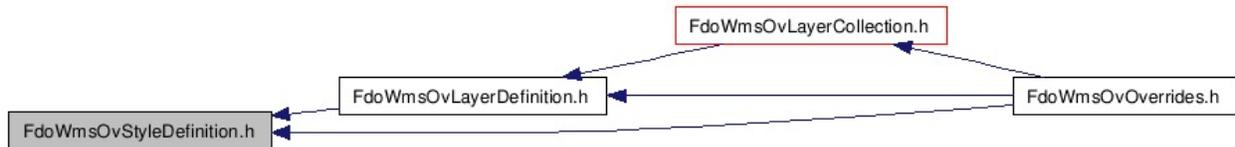
FdoWmsOvStyleDefinition.h File Reference

```
#include <WMS/FdoWmsOvProvider.h>
```

Include dependency graph for FdoWmsOvStyleDefinition.h:



This graph shows which files directly or indirectly include this file:



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

Classes

class [FdoWmsOvStyleDefinition](#)

The [FdoWmsOvStyleDefinition](#) class defines a WMS style that will be used to stylize a WMS layer. [More...](#)

Typedefs

typedef FdoPtr< [FdoWmsOvStyleDefinition](#) > [FdoWmsOvStyleDefinitionP](#)

FdoWmsOvStyleDefinitionP is
a FdoPtr on
[FdoWmsOvStyleDefinition](#),
provided for convenience.

[Comments?](#)

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)[All](#)[Typedefs](#)

Here is a list of all file members with links to the files they belong to:

- FdoWmsOvClassDefinitionP : [FdoWmsOvClassDefinition.h](#)
- FdoWmsOvClassesP : [FdoWmsOvClassCollection.h](#)
- FdoWmsOvLayerDefinitionP : [FdoWmsOvLayerDefinition.h](#)
- FdoWmsOvLayersP : [FdoWmsOvLayerCollection.h](#)
- FdoWmsOvPhysicalSchemaMappingP :
[FdoWmsOvPhysicalSchemaMapping.h](#)
- FdoWmsOvRasterDefinitionP : [FdoWmsOvRasterDefinition.h](#)
- FdoWmsOvStyleDefinitionP : [FdoWmsOvStyleDefinition.h](#)

API Reference

OSGeo FDO Provider for WMS

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

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

FDO Provider for WMS Class Index

[W](#)

W [FdoWmsOvClassDefinition](#) [FdoWmsOvLa](#)
[FdoWmsOvClassCollection](#) [FdoWmsOvLayerCollection](#) [FdoWmsOvPhysical](#)

[W](#)

[Comments?](#)

API Reference

OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

FDO Provider for WMS File List

Here is a list of all files with brief descriptions:

[define_pages.h](#) [code]

[FdoWmsOvClassCollection.h](#) [code]

[FdoWmsOvClassDefinition.h](#) [code]

[FdoWmsOvLayerCollection.h](#) [code]

[FdoWmsOvLayerDefinition.h](#) [code]

[FdoWmsOvOverrides.h](#) [code]

[FdoWmsOvPhysicalSchemaMapping.h](#) [code]

[FdoWmsOvRasterDefinition.h](#) [code]

[FdoWmsOvStyleDefinition.h](#) [code]

[Comments?](#)

API Reference

OSGeo FDO Provider for WMS

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

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

FDO Provider for WMS Class List

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

FdoWmsOvClassCollection	The FdoWmsOvClassCollection holds a list of WMS physical class mapping definitions
FdoWmsOvClassDefinition	Defines mapping overrides for a WMS feature class that exposes WMS layers as an FDO class. The properties defined here will be used in the WMS Getap operation when querying data from the WMS server
FdoWmsOvLayerCollection	The FdoWmsOvLayerCollection holds a list of WMS Layer definitions
FdoWmsOvLayerDefinition	WMS Layer defined on a WMS Server. A request to render a Map through WMS will allow mutiple layers to be specified in order to form a composite image
FdoWmsOvPhysicalSchemaMapping	FdoWmsOvPhysicalSchemaMapping is the concrete class that defines the Schema Overrides for a WMS Provider logical schema
FdoWmsOvRasterDefinition	Defines the physical overrides for a raster property in a WMS FDO schema
FdoWmsOvStyleDefinition	Defines a WMS style that will be used to stylize a WMS layer

API Reference

OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

FdoWmsOvClassCollection.h

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

```
00001 /*
00002  * Copyright (C) 2004-2006 Autodesk, Inc.
00003  *
00004  * This library is free software; you can redistribute it and/
00005  * modify it under the terms of version 2.1 of the GNU Lesser
00006  * General Public License as published by the Free Software Fo
00007  *
00008  * This library is distributed in the hope that it will be use
00009  * but WITHOUT ANY WARRANTY; without even the implied warranty
00010  * MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See t
00011  * Lesser General Public License for more details.
00012  *
00013  * You should have received a copy of the GNU Lesser General P
00014  * License along with this library; if not, write to the Free
00015  * Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA
00016  *
00017  */
00018 #ifndef FdoWmsOvClassCollection_H
00019 #define FdoWmsOvClassCollection_H
00020
00021 #ifdef _WIN32
00022 #pragma once
00023 #endif // _WIN32
00024
00025 #include <WMS/FdoWmsOvProvider.h>
00026 #include <WMS/Override/FdoWmsOvClassDefinition.h>
00027
00028 /// \brief
00029 ///
00030 /// The FdoWmsOvClassCollection holds a list of WMS physical c
00031 class FdoWmsOvClassCollection : public FdoPhysicalElementMappi
00032 {
00033 public:
00034     /// \brief
00035     /// Constructs a new empty Class Definition collection.
00036     ///
00037     /// \param parent
00038     /// Input parent object
00039     ///
00040     /// \return
00041     /// Returns the newly created FdoWmsOvClassCollection inst
00042     ///
```

```
00043     FDO_WMS_API static FdoWmsOvClassCollection* Create(FdoPhysi
00044
00045     /// \cond DOXYGEN-IGNORE
00046
00047     protected:
00048         FDO_WMS_API FdoWmsOvClassCollection(void);
00049         FDO_WMS_API FdoWmsOvClassCollection(FdoPhysicalElementMappi
00050         FDO_WMS_API virtual ~FdoWmsOvClassCollection(void);
00051         void Dispose();
00052
00053     /// \endcond
00054
00055 };
00056
00057 /// \brief
00058 /// FdoWmsClassesP is a GisPtr on FdoWmsOvClassCollection, pr
00059 typedef FdoPtr<FdoWmsOvClassCollection> FdoWmsOvClassesP;
00060
00061 #endif // FdoWmsOvClassCollection\_H
00062
00063
```

API Reference

OSGeo FDO Provider for WMS

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

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

FdoWmsOvClassCollection Member List

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

[Create](#)(FdoPhysicalElementMapping *parent) [FdoWmsOvClassCollection](#) [static]

[Comments?](#)

[FdoWmsOvClassCollection](#)

static FDO_WMS_API
[FdoWmsOvClassCollection](#)* (*FdoPhysicalElementMapping* *parent*)
FdoWmsOvClassCollection::Create

Constructs a new empty Class Definition collection.

[Create](#)**Parameters:**

parent Input parent object

Returns:

Returns the newly created [FdoWmsOvClassCollection](#) instance.

API Reference

OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

FdoWmsOvClassDefinition.h

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

```
00001 /*
00002  * Copyright (C) 2004-2006 Autodesk, Inc.
00003  *
00004  * This library is free software; you can redistribute it and/
00005  * modify it under the terms of version 2.1 of the GNU Lesser
00006  * General Public License as published by the Free Software Fo
00007  *
00008  * This library is distributed in the hope that it will be use
00009  * but WITHOUT ANY WARRANTY; without even the implied warranty
00010  * MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See t
00011  * Lesser General Public License for more details.
00012  *
00013  * You should have received a copy of the GNU Lesser General P
00014  * License along with this library; if not, write to the Free
00015  * Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA
00016  *
00017  */
00018 #ifndef FdoWmsOvClassDefinition_H
00019 #define FdoWmsOvClassDefinition_H
00020
00021 #ifdef _WIN32
00022 #pragma once
00023 #endif //_WIN32
00024
00025 #include <WMS/FdoWmsOvProvider.h>
00026 #include <WMS/Override/FdoWmsOvRasterDefinition.h>
00027
00028 /// \brief
00029 ///
00030 /// The FdoWmsOvClassDefinition class defines mapping override
00031 /// WMS feature class that exposes WMS layers as an FDO class.
00032 /// properties defined here will be used in the WMS Getap oper
00033 /// when querying data from the WMS server.
00034 class FdoWmsOvClassDefinition : public FdoPhysicalClassMapping
00035 {
00036     typedef FdoPhysicalClassMapping BaseType;
00037
00038 public:
00039     /// \brief
00040     /// Constructs a new empty WMS physical mapping class defi
00041     ///
00042     /// \return
```

```

00043     ////// Returns the newly created FdoWmsOvClassDefinition inst
00044     //////
00045     FDOWMS_API static FdoWmsOvClassDefinition* Create();
00046
00047     ////// \brief
00048     ////// Gets the physical overrides for a raster property defi
00049     //////
00050     ////// \return
00051     ////// Returns the raster definition.
00052     //////
00053     FDOWMS_API FdoWmsOvRasterDefinition* GetRasterDefinition()
00054
00055     ////// \brief
00056     ////// Sets the physical overrides for a raster property defi
00057     //////
00058     ////// \param rasterDefinition
00059     ////// Input raster definition
00060     //////
00061     ////// \return
00062     ////// Returns nothing
00063     //////
00064     FDOWMS_API void SetRasterDefinition(FdoWmsOvRasterDefiniti
00065
00066     ////// \brief
00067     ////// Gets the fully qualified name of this element
00068     //////
00069     ////// \return
00070     ////// Returns the qualified element name
00071     //////
00072     FDOWMS_API virtual FdoStringP GetQualifiedName();
00073
00074     ////// \cond DOXYGEN-IGNORE
00075
00076     ////// XML Serialization functions, not part of supported API
00077     FDOWMS_API virtual void InitFromXml(FdoXmlSaxContext* pCon
00078     FDOWMS_API virtual FdoXmlSaxHandler* XmlStartElement(
00079         FdoXmlSaxContext* context,
00080         FdoString* uri,
00081         FdoString* name,
00082         FdoString* qname,
00083         FdoXmlAttributeCollection* atts
00084     );
00085     FDOWMS_API virtual FdoBoolean XmlEndElement(FdoXmlSaxConte
00086     FDOWMS_API void \_writeXml( FdoXmlWriter* xmlWriter, const
00087
00088     protected:
00089     FDOWMS_API FdoWmsOvClassDefinition(void);
00090     FDOWMS_API virtual ~FdoWmsOvClassDefinition(void);
00091     void Dispose(void);
00092

```

```
00093 private:
00094     FdoWms0vRasterDefinitionP m_rasterDefinition;
00095
00096 /// \endcond
00097
00098 };
00099
00100 /// \brief
00101 /// FdoWms0vClassDefinitionP is a FdoPtr on FdoWms0vClassDefi
00102 00102 typedef FdoPtr<FdoWms0vClassDefinition> FdoWms0vClassDefinitio
00103
00104 #endif
00105
00106
```

[Comments?](#)

API Reference

OSGeo FDO Provider for WMS

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

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

FdoWmsOvClassDefinition Member List

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

Create()	FdoWmsOvClassDefinition [s]
GetQualifiedName()	FdoWmsOvClassDefinition [v]
GetRasterDefinition()	FdoWmsOvClassDefinition
SetRasterDefinition(FdoWmsOvRasterDefinition *rasterDefinition)	FdoWmsOvClassDefinition

[Comments?](#)

[FdoWmsOvClassDefinition](#)

[Create](#)

[GetQualifiedName](#)

[GetRasterDefinition](#)

[SetRasterDefinition](#)

virtual FDO_WMS_API FdoStringP
FdoWmsOvClassDefinition::GetQualifiedName () [virt

Gets the fully qualified name of this element.

Returns:

Returns the qualified element name

[FdoWmsOvClassDefinition](#)

[Create](#)

[GetQualifiedName](#)

[GetRasterDefinition](#)

[SetRasterDefinition](#)

FDO_WMS_API [FdoWmsOvRasterDefinition](#)*
FdoWmsOvClassDefinition::GetRasterDefinition ()

Gets the physical overrides for a raster property definition.

Returns:

Returns the raster definition.

[FdoWmsOvClassDefinition](#)

FDO_WMS_API void
FdoWmsOvClassDefinition::SetRasterDefinition ([FdoWmsOvClassDefinition](#) *)

[Create](#)

Sets the physical overrides for a raster property definition.

[GetQualifiedName](#)

[GetRasterDefinition](#)

[SetRasterDefinition](#)

Parameters:

rasterDefinition Input raster definition

Returns:

Returns nothing

[FdoWmsOvClassDefinition](#)

```
static FDO_WMS_API  
FdoWmsOvClassDefinition* ( ) [static]  
FdoWmsOvClassDefinition::Create
```

[Create](#)[GetQualifiedName](#)

Constructs a new empty WMS physical mapping class definition.

[GetRasterDefinition](#)[SetRasterDefinition](#)**Returns:**

Returns the newly created
[FdoWmsOvClassDefinition](#) instance.

API Reference

OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

FdoWmsOvLayerCollection.h

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

```
00001 /*
00002  * Copyright (C) 2004-2006 Autodesk, Inc.
00003  *
00004  * This library is free software; you can redistribute it and/
00005  * modify it under the terms of version 2.1 of the GNU Lesser
00006  * General Public License as published by the Free Software Fo
00007  *
00008  * This library is distributed in the hope that it will be use
00009  * but WITHOUT ANY WARRANTY; without even the implied warranty
00010  * MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See t
00011  * Lesser General Public License for more details.
00012  *
00013  * You should have received a copy of the GNU Lesser General P
00014  * License along with this library; if not, write to the Free
00015  * Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA
00016  *
00017  */
00018 #ifndef FdoWmsOvLayerCollection_H
00019 #define FdoWmsOvLayerCollection_H
00020
00021 #ifdef _WIN32
00022 #pragma once
00023 #endif // _WIN32
00024
00025 #include <WMS/FdoWmsOvProvider.h>
00026 #include <WMS/Override/FdoWmsOvLayerDefinition.h>
00027
00028 /// \brief
00029 ///
00030 /// The FdoWmsOvLayerCollection holds a list of WMS Layer defi
00031 00031 class FdoWmsOvLayerCollection : public FdoPhysicalElementMappi
00032 {
00033 public:
00034     /// \brief
00035     /// Constructs a new empty Layer Definition collection.
00036     ///
00037     /// \param parent
00038     /// Input parent object
00039     ///
00040     /// \return
00041     /// Returns the newly created FdoWmsOvLayerCollection inst
00042     ///
```

```
00043     FDO_WMS_API static FdoWms0vLayerCollection* Create(FdoPhysi
00044
00045 /// \cond DOXYGEN-IGNORE
00046
00047 protected:
00048     FDO_WMS_API FdoWms0vLayerCollection(void);
00049     FDO_WMS_API FdoWms0vLayerCollection(FdoPhysicalElementMappi
00050     FDO_WMS_API virtual ~FdoWms0vLayerCollection(void);
00051     void Dispose();
00052
00053 /// \endcond
00054
00055 };
00056
00057 /// \brief
00058 /// FdoWmsLayeresP is a GisPtr on FdoWms0vLayerCollection, pr
00059 typedef FdoPtr<FdoWms0vLayerCollection> FdoWms0vLayersP;
00060
00061 #endif // FdoWms0vLayerCollection_H
00062
00063
```

API Reference

OSGeo FDO Provider for WMS

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

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

FdoWmsOvLayerCollection Member List

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

[Create](#)(FdoPhysicalElementMapping *parent) [FdoWmsOvLayerCollection](#) [static]

[Comments?](#)

[FdoWmsOvLayerCollection](#)

```
static FDO_WMS_API  
FdoWmsOvLayerCollection* ( FdoPhysicalElementMapping parent  
FdoWmsOvLayerCollection::Create *
```

Constructs a new empty Layer Definition collection.

[Create](#)

Parameters:

parent Input parent object

Returns:

Returns the newly created [FdoWmsOvLayerCollection](#) instance.

API Reference

OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

FdoWmsOvLayerDefinition.h

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

```
00001 /*
00002  * Copyright (C) 2004-2006 Autodesk, Inc.
00003  *
00004  * This library is free software; you can redistribute it and/
00005  * modify it under the terms of version 2.1 of the GNU Lesser
00006  * General Public License as published by the Free Software Fo
00007  *
00008  * This library is distributed in the hope that it will be use
00009  * but WITHOUT ANY WARRANTY; without even the implied warranty
00010  * MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See t
00011  * Lesser General Public License for more details.
00012  *
00013  * You should have received a copy of the GNU Lesser General P
00014  * License along with this library; if not, write to the Free
00015  * Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA
00016  *
00017  */
00018 #ifndef FdoWmsOvLayerDefinition_H
00019 #define FdoWmsOvLayerDefinition_H
00020
00021 #ifdef _WIN32
00022 #pragma once
00023 #endif //_WIN32
00024
00025 #include <WMS/FdoWmsOvProvider.h>
00026 #include <WMS/Override/FdoWmsOvStyleDefinition.h>
00027
00028 /// \brief
00029 ///
00030 /// The FdoWmsOvLayerDefinition class represents a WMS Layer d
00031 /// A request to render a Map through WMS will allow mutiple
00032 /// in order to form a composite image.
00033 class FdoWmsOvLayerDefinition : public FdoPhysicalElementMappi
00034 {
00035     typedef FdoPhysicalElementMapping BaseType;
00036
00037 public:
00038     /// \brief
00039     /// Constructs a new empty layer definition.
00040     ///
00041     /// \return
00042     /// Returns the newly created FdoWmsOvLayerDefinition inst
```

```

00043     ///  

00044     FDO_WMS_API static FdoWmsOvLayerDefinition* Create();  

00045  

00046     ///  

00047     ///  

00048     ///  

00049     ///  

00050     ///  

00051     ///  

00052     ///  

00053     ///  

00054     ///  

00055     ///  

00056     ///  

00057     ///  

00058     FDO_WMS_API FdoWmsOvStyleDefinition* GetStyle(void) const;  

00059  

00060     ///  

00061     ///  

00062     ///  

00063     ///  

00064     ///  

00065     ///  

00066     ///  

00067     ///  

00068     ///  

00069     ///  

00070     ///  

00071     ///  

00072     FDO_WMS_API void SetStyle(FdoWmsOvStyleDefinition* style);  

00073  

00074     ///  

00075     ///  

00076     ///  

00077     FDO_WMS_API virtual void InitFromXml(FdoXmlSaxContext* pCon  

00078     FDO_WMS_API virtual FdoXmlSaxHandler* XmlStartElement(  

00079         FdoXmlSaxContext* context,  

00080         FdoString* uri,  

00081         FdoString* name,  

00082         FdoString* qname,  

00083         FdoXmlAttributeCollection* atts  

00084     );  

00085     FDO_WMS_API virtual FdoBoolean XmlEndElement(FdoXmlSaxConte  

00086     FDO_WMS_API void \_writeXml( FdoXmlWriter* xmlWriter, const  

00087  

00088     protected:  

00089     FDO_WMS_API FdoWmsOvLayerDefinition(void);  

00090     FDO_WMS_API virtual ~FdoWmsOvLayerDefinition(void);  

00091     void Dispose(void);  

00092

```

```
00093 private:
00094     FdoWms0vStyleDefinitionP m_styleDefinition;
00095
00096 /// \endcond
00097
00098 };
00099
00100 /// \brief
00101 /// FdoWms0vLayerDefinitionP is a FdoPtr on FdoWms0vLayerDefi
00102 00102 typedef FdoPtr<FdoWms0vLayerDefinition> FdoWms0vLayerDefinitio
00103
00104 #endif
00105
00106
```

[Comments?](#)

API Reference

OSGeo FDO Provider for WMS

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

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

FdoWmsOvLayerDefinition Member List

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

Create()	FdoWmsOvLayerDefinition [static]
GetStyle(void) const	FdoWmsOvLayerDefinition
SetStyle(FdoWmsOvStyleDefinition *style)	FdoWmsOvLayerDefinition

[Comments?](#)

[FdoWmsOvLayerDefinition](#)

FDOWMS_API

[FdoWmsOvStyleDefinition](#)* (void) const

FdoWmsOvLayerDefinition::GetStyle

Gets the WMS style that will be used to render a WMS layer in a composit WMS image.

[Create](#)[GetStyle](#)[SetStyle](#)**Remarks:**

If the server advertises several styles for a layer, and the style definition is either set to the default style or not specified at all, the choice of which style to use as default is at the discretion of the server.

Returns:

Returns the style definition.

[FdoWmsOvLayerDefinition](#)

FDO_WMS_API void
FdoWmsOvLayerDefinition::SetStyle ([FdoWmsOvStyleDefinition](#) * sty

Sets the WMS style that will be used to render a WMS layer in a composite WMS image.

[Create](#)

[GetStyle](#)

[SetStyle](#)

Remarks:

If the server advertises several styles for a layer, and the style definition is either set to the default style or not specified at all, the choice of which style to use as default is at the discretion of the server.

Returns:

Returns nothing.

[FdoWmsOvLayerDefinition](#)

static FDO_WMS_API

[FdoWmsOvLayerDefinition](#)* () [static]

FdoWmsOvLayerDefinition::Create

[Create](#)

[GetStyle](#) Constructs a new empty layer definition.

[SetStyle](#)

Returns:

Returns the newly created [FdoWmsOvLayerDefinition](#) instance.

API Reference

OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

FdoWmsOvPhysicalSchemaMapping.

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

```
00001 /*
00002  * Copyright (C) 2004-2006 Autodesk, Inc.
00003  *
00004  * This library is free software; you can redistribute it and/
00005  * modify it under the terms of version 2.1 of the GNU Lesser
00006  * General Public License as published by the Free Software Fo
00007  *
00008  * This library is distributed in the hope that it will be use
00009  * but WITHOUT ANY WARRANTY; without even the implied warranty
00010  * MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See t
00011  * Lesser General Public License for more details.
00012  *
00013  * You should have received a copy of the GNU Lesser General P
00014  * License along with this library; if not, write to the Free
00015  * Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA
00016  *
00017  */
00018 #ifndef FdoWmsOvPhysicalSchemaMapping_H
00019 #define FdoWmsOvPhysicalSchemaMapping_H
00020
00021 #ifdef _WIN32
00022 #pragma once
00023 #endif //_WIN32
00024
00025 #include <WMS/FdoWmsOvProvider.h>
00026 #include <WMS/Override/FdoWmsOvClassCollection.h>
00027
00028 /// \brief
00029 /// FdoWmsOvPhysicalSchemaMapping is the concrete class that
00030 /// defines the Schema Overrides for a WMS Provider logical sc
00031 00031 class FdoWmsOvPhysicalSchemaMapping : public FdoPhysicalSchema
00032 {
00033     typedef FdoPhysicalSchemaMapping BaseType;
00034
00035 public:
00036     /// \brief
00037     /// Constructs a new physical schema mapping.
00038     ///
00039     /// \return
00040     /// Returns the newly created FdoWmsOvPhysicalSchemaMappin
00041     ///
00042     FDOWMS_API static FdoWmsOvPhysicalSchemaMapping* Create();
```

```

00043
00044     /// \brief
00045     /// Gets the name of the applicable FDO provider.
00046     ///
00047     /// \return
00048     /// Returns the name of FDO provider to which this Schema
00049     /// applies. The provider name conforms to the format:
00050     /// "{Company}.{Provider}.{Version}".
00051     ///
00052     FDO_WMS_API virtual FdoString* GetProvider\(\);
00053
00054     /// \brief
00055     /// Gets the collection of Class Definition.
00056     ///
00057     /// \return
00058     /// Returns the collection of Class Definition.
00059     ///
00060     FDO_WMS_API FdoWmsOvClassCollection* GetClasses\(\);
00061
00062     /// \cond DOXYGEN-IGNORE
00063
00064     /// XML Serialization functions, not part of supported API
00065     FDO_WMS_API virtual void InitFromXml(FdoXmlSaxContext* pCon
00066     FDO_WMS_API virtual FdoXmlSaxHandler* XmlStartElement(
00067         FdoXmlSaxContext* context,
00068         FdoString* uri,
00069         FdoString* name,
00070         FdoString* qname,
00071         FdoXmlAttributeCollection* atts
00072     );
00073     FDO_WMS_API virtual FdoBoolean XmlEndElement(FdoXmlSaxConte
00074
00075     protected:
00076         FDO_WMS_API FdoWmsOvPhysicalSchemaMapping(void);
00077         FDO_WMS_API virtual ~FdoWmsOvPhysicalSchemaMapping(void);
00078         FDO_WMS_API virtual void _writeXml( FdoXmlWriter* xmlWriter
00079         void Dispose(void);
00080
00081     private:
00082         FdoPtr<FdoWmsOvClassCollection> m_ClassMappings;
00083
00084     /// \endcond
00085
00086 };
00087
00088     /// \brief
00089     /// FdoWmsOvPhysicalSchemaMappingP is a FdoPtr on FdoWmsOvPhy
00090     00090 typedef FdoPtr<FdoWmsOvPhysicalSchemaMapping> FdoWmsOvPhysical
00091
00092 #endif // FdoWmsOvPhysicalSchemaMapping\_H

```

00093
00094

[Comments?](#)

API Reference

OSGeo FDO Provider for WMS

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

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

FdoWmsOvPhysicalSchemaMapping

Member List

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

[Create\(\)](#) [FdoWmsOvPhysicalSchemaMapping](#) [static]

[GetClasses\(\)](#) [FdoWmsOvPhysicalSchemaMapping](#)

[GetProvider\(\)](#) [FdoWmsOvPhysicalSchemaMapping](#) [virtual]

[Comments?](#)

[FdoWmsOvPhysicalSchemaMapping](#)

FDO_WMS_API [FdoWmsOvClassCollection](#)*
FdoWmsOvPhysicalSchemaMapping::GetClasses ()

[Create](#)

[GetClasses](#)

Gets the collection of Class Definition.

[GetProvider](#)

Returns:

Returns the collection of Class Definition.

[FdoWmsOvPhysicalSchemaMapping](#)

```
virtual FDOWMS_API FdoString*  
FdoWmsOvPhysicalSchemaMapping::GetProvider ( ) [virtual]
```

[Create](#)

Gets the name of the applicable FDO provider.

[GetClasses](#)

[GetProvider](#)

Returns:

Returns the name of FDO provider to which this Schema Override set applies. The provider name conforms to the format: "{Company}.{Provider}.{Version}".

[FdoWmsOvPhysicalSchemaMapping](#)

```
static FDO_WMS_API  
FdoWmsOvPhysicalSchemaMapping* ( ) [static]  
FdoWmsOvPhysicalSchemaMapping::Create
```

[Create](#)

[GetClasses](#)

Constructs a new physical schema mapping.

[GetProvider](#)

Returns:

Returns the newly created
[FdoWmsOvPhysicalSchemaMapping](#) instance.

API Reference

OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

FdoWmsOvRasterDefinition.h

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

```
00001 /*
00002  * Copyright (C) 2004-2007 Autodesk, Inc.
00003  *
00004  * This library is free software; you can redistribute it and/
00005  * modify it under the terms of version 2.1 of the GNU Lesser
00006  * General Public License as published by the Free Software Fo
00007  *
00008  * This library is distributed in the hope that it will be use
00009  * but WITHOUT ANY WARRANTY; without even the implied warranty
00010  * MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See t
00011  * Lesser General Public License for more details.
00012  *
00013  * You should have received a copy of the GNU Lesser General P
00014  * License along with this library; if not, write to the Free
00015  * Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA
00016  *
00017  */
00018 #ifndef FDOWNMSRASTERDEFINITION_H
00019 #define FDOWNMSRASTERDEFINITION_H
00020
00021 #ifdef _WIN32
00022 #pragma once
00023 #endif // _WIN32
00024
00025 #include <WMS/FdoWmsOvProvider.h>
00026 #include <WMS/Override/FdoWmsOvLayerCollection.h>
00027
00028 /// \brief
00029 ///
00030 /// The FdoWmsOvRasterDefinition class defines the physical ov
00031 class FdoWmsOvRasterDefinition : public FdoPhysicalElementMapp
00032 {
00033     typedef FdoPhysicalElementMapping BaseType;
00034     friend class FdoWmsOvClassDefinition;
00035
00036 public:
00037     /// \brief
00038     /// Constructs a new Raster Definition.
00039     ///
00040     /// \return
00041     /// Returns the newly created FdoWmsOvRasterDefinition ins
00042     ///
```

```

00043 FDOWNMS_API static FdoWms0vRasterDefinition* Create();
00044
00045 /// \brief
00046 /// Gets the format type in which the WMS image will be ge
00047 ///
00048 /// \remarks
00049 /// Allowed map formats are "picture" formats . Picture fo
00050 /// a rectangular pixel array of fixed size. Picture forma
00051 /// as Portable Network Graphics (PNG), Joint Photographic
00052 /// and file types such as Tagged Image File Format (TIFF)
00053 ///
00054 /// \return
00055 /// Returns the WMS image format.
00056 ///
00057 FDOWNMS_API FdoString* GetImageFormat(void);
00058
00059 /// \brief
00060 /// Sets the format type in which the WMS image will be ge
00061 ///
00062 /// \remarks
00063 /// Allowed map formats are "picture" formats . Picture fo
00064 /// a rectangular pixel array of fixed size. Picture forma
00065 /// as Portable Network Graphics (PNG), Joint Photographic
00066 /// and file types such as Tagged Image File Format (TIFF)
00067 ///
00068 /// \return
00069 /// Returns nothing.
00070 ///
00071 FDOWNMS_API void SetImageFormat(FdoString* value);
00072
00073
00074 /// \brief
00075 /// Gets the transparency state.
00076 ///
00077 /// \remarks
00078 /// The transparency state specifies whether the WMS map b
00079 /// be made transparent or not. The default value is false
00080 /// an image drawn with transparent pixels allows results
00081 /// to be overlaid, producing a composite map.
00082 ///
00083 /// \return
00084 /// Returns an FdoBoolean indicating the state of the tran
00085 ///
00086 FDOWNMS_API FdoBoolean GetTransparent(void) const;
00087
00088 /// \brief
00089 /// Sets the transparency state.
00090 ///
00091 /// \remarks
00092 /// The transparency state specifies whether the WMS map b

```

```

00093     /// be made transparent or not. The default value is false
00094     /// an image drawn with transparent pixels allows results
00095     /// to be overlaid, producing a composite map.
00096     ///
00097     /// \return
00098     /// Returns nothing.
00099     ///
00100     FDO_WMS_API void SetTransparent(FdoBoolean transparent);
00101
00102     /// \brief
00103     /// Gets the background color.
00104     ///
00105     /// \remarks
00106     /// The background color is a string that specifies the co
00107     /// as the background pixels of the map. The general forma
00108     /// is a hexadecimal encoding of an RGB value where two he
00109     /// are used for each of Red, Green, and Blue colour value
00110     /// between 00 and FF for each (0 and 255, base 10). The f
00111     /// upper or lower case characters are allowed for RR, GG,
00112     /// The "0x" prefix shall have a lower case x? The default
00113     /// (corresponding to the colour white).
00114     ///
00115     /// \return
00116     /// Returns a FdoString indicating the background color
00117     /// to be used when rendering the WMS image.
00118     ///
00119     FDO_WMS_API FdoString* GetBackgroundColor(void) const;
00120
00121     /// \brief
00122     /// Sets the background color.
00123     ///
00124     /// \remarks
00125     /// The background color is a string that specifies the co
00126     /// as the background pixels of the map. The general forma
00127     /// is a hexadecimal encoding of an RGB value where two he
00128     /// are used for each of Red, Green, and Blue colour value
00129     /// between 00 and FF for each (0 and 255, base 10). The f
00130     /// upper or lower case characters are allowed for RR, GG,
00131     /// The "0x" prefix shall have a lower case x? The default
00132     /// (corresponding to the colour white).
00133     ///
00134     /// \return
00135     /// Returns nothing.
00136     ///
00137     FDO_WMS_API void SetBackgroundColor(FdoString* bgColor);
00138
00139     /// \brief
00140     /// Gets the tile caching option value.
00141     ///

```

```

00142     ///remarks
00143     ///This option specifies whether using the tile caching m
00144     ///The default value is true.
00145     ///
00146     ///return
00147     ///Returns a FdoBoolean indicating whether using tile cac
00148     ///
00149     FDO_WMS_API FdoBoolean GetUseTileCache(void) const;
00150
00151     ///brief
00152     ///Sets the tile caching option value.
00153     ///
00154     ///remarks
00155     ///This option specifies whether using the tile caching m
00156     ///The default value is true.
00157     ///
00158     ///return
00159     ///Returns nothing.
00160     ///
00161     FDO_WMS_API void SetUseTileCache(FdoBoolean value);
00162
00163     ///brief
00164     ///Gets the time dimension of the requested WMS map.
00165     ///
00166     ///remarks
00167     ///If a WMS map has a Time dimension defined, then reques
00168     ///include the parameter TIME=value. For the TIME paramet
00169     ///'current' may be used if the WMS Dimension:Name="time"
00170     ///element includes a nonzero value for the 'current' att
00171     ///"TIME=current" means send the most current data availa
00172     ///"TIME=start_time/current" means send data from start_t
00173     ///current data available.
00174     ///
00175     ///return
00176     ///Returns a FdoString indicating the time dimension of t
00177     ///requested WMS image.
00178     ///
00179     FDO_WMS_API FdoString* GetTimeDimension(void) const;
00180
00181     ///brief
00182     ///Sets the time dimension of the requested WMS map.
00183     ///
00184     ///remarks
00185     ///If a WMS map has a Time dimension defined, then reques
00186     ///include the parameter TIME=value. For the TIME paramet
00187     ///'current' may be used if the WMS Dimension:Name="time"
00188     ///element includes a nonzero value for the 'current' att
00189     ///"TIME=current" means send the most current data availa
00190     ///"TIME=start_time/current" means send data from start_t
00191     ///current data available.

```

```
00192    ///  
00193    ///  
00194    ///  
00195    ///  
00196    FDO_WMS_API void SetTimeDimension(FdoString* time);  
00197  
00198    ///  
00199    ///  
00200    ///  
00201    ///  
00202    ///  
00203    ///  
00204    ///  
00205    ///  
00206    ///  
00207    ///  
00208    ///  
00209    ///  
00210    FDO_WMS_API FdoString* GetElevationDimension(void) const;  
00211  
00212    ///  
00213    ///  
00214    ///  
00215    ///  
00216    ///  
00217    ///  
00218    ///  
00219    ///  
00220    ///  
00221    ///  
00222    ///  
00223    ///  
00224    ///  
00225    ///  
00226    ///  
00227    FDO_WMS_API void SetElevationDimension(FdoString* dimension  
00228  
00229    ///  
00230    ///  
00231    ///  
00232    ///  
00233    ///  
00234    ///  
00235    ///  
00236    ///  
00237    ///  
00238    ///  
00239    ///  
00240    FDO_WMS_API FdoString* GetSpatialContextName(void) const;
```

```

00241
00242     /// \brief
00243     /// Sets the spatial context in which the requested
00244     /// WMS map will be returned.
00245     ///
00246     /// \remarks
00247     /// The same spatial context name applies to all layers
00248     /// in a single WMS class definition.
00249     ///
00250     /// \return
00251     /// Returns nothing.
00252     ///
00253     FDO_WMS_API void SetSpatialContextName(FdoString* value);
00254
00255     /// \brief
00256     /// Gets the WMS layers that will be used to construct
00257     /// the composite WMS image.
00258     ///
00259     /// \remarks
00260     /// A WMS shall render the requested layers by drawing
00261     /// the first map in the list bottommost, the next one ove
00262     /// and so on.
00263     ///
00264     /// \return
00265     /// Returns the collection of WMS layers associated to the
00266     /// FDO class definition.
00267     ///
00268     FDO_WMS_API FdoWmsOvLayerCollection* GetLayers(void) const;
00269
00270     /// \brief
00271     /// Gets the fully qualified name of this element
00272     ///
00273     /// \return
00274     /// Returns the qualified element name
00275     ///
00276     FDO_WMS_API virtual FdoStringP GetQualifiedName();
00277
00278     /// \cond DOXYGEN-IGNORE
00279
00280     /// XML Serialization functions, not part of supported API
00281     FDO_WMS_API virtual void InitFromXml(FdoXmlSaxContext* pCon
00282     FDO_WMS_API virtual FdoXmlSaxHandler* XmlStartElement(
00283         FdoXmlSaxContext* context,
00284         FdoString* uri,
00285         FdoString* name,
00286         FdoString* qname,
00287         FdoXmlAttributeCollection* atts
00288     );
00289     FDO_WMS_API virtual FdoBoolean XmlEndElement(FdoXmlSaxConte
00290     FDO_WMS_API void _writeXml( FdoXmlWriter* xmlWriter, const

```

```

00291
00292 protected:
00293     FDOWMS_API FdoWmsOvRasterDefinition(void);
00294     FDOWMS_API virtual ~FdoWmsOvRasterDefinition(void);
00295
00296 protected:
00297     void _SetFullFormatType(FdoString* value);
00298
00299     void _SetFormatAbbr(FdoString* value);
00300     FdoStringP _GetFormatAbbr() const;
00301
00302     void _SetTransparent(FdoString* value);
00303     FdoStringP _GetTransparent(void) const;
00304     void _SetUseTileCache(FdoString* value);
00305     FdoStringP _GetUseTileCache(void) const;
00306     void Dispose(void);
00307
00308     FdoStringP MIMEFormatTypeToAbbr(FdoString* fullFormat);
00309     FdoStringP AbbrToMIMEFormatType(FdoString* abbrFormat);
00310 private:
00311     FdoStringP m_backgroundColor;
00312     FdoStringP m_timeDimension;
00313     FdoStringP m_elevationDimension;
00314     FdoStringP m_spatialContext;
00315     FdoBoolean m_transparent;
00316     FdoBoolean m_useTileCache;
00317     FdoStringP m_formatType;
00318     FdoStringP m_formatDesc;
00319     FdoWmsOvLayersP m_layers;
00320     FdoXmlCharDataHandler *m_pXmlContentHandler;
00321     bool m_hasFormat;
00322     bool m_hasFormatType;
00323
00324 /// \endcond
00325
00326 };
00327
00328 /// \brief
00329 /// FdoWmsOvRasterDefinitionP is a FdoPtr on FdoWmsOvRasterDe
00330 00330 typedef FdoPtr<FdoWmsOvRasterDefinition> FdoWmsOvRasterDefinit
00331
00332 #endif // FDOWMSRASTERDEFINITION_H
00333
00334

```

API Reference

OSGeo FDO Provider for WMS

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

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

FdoWmsOvRasterDefinition Member List

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

Create()	FdoWmsOvRasterDefinition [static]
FdoWmsOvClassDefinition class	FdoWmsOvRasterDefinition [friend]
GetBackgroundColor (void) const	FdoWmsOvRasterDefinition
GetElevationDimension (void) const	FdoWmsOvRasterDefinition
GetImageFormat (void)	FdoWmsOvRasterDefinition
GetLayers (void) const	FdoWmsOvRasterDefinition
GetQualifiedName ()	FdoWmsOvRasterDefinition [virtual]
GetSpatialContextName (void) const	FdoWmsOvRasterDefinition
GetTimeDimension (void) const	FdoWmsOvRasterDefinition
GetTransparent (void) const	FdoWmsOvRasterDefinition
GetUseTileCache (void) const	FdoWmsOvRasterDefinition
SetBackgroundColor (FdoString *bgColor)	FdoWmsOvRasterDefinition
SetElevationDimension (FdoString *dimension)	FdoWmsOvRasterDefinition
SetImageFormat (FdoString *value)	FdoWmsOvRasterDefinition
SetSpatialContextName (FdoString *value)	FdoWmsOvRasterDefinition
SetTimeDimension (FdoString *time)	FdoWmsOvRasterDefinition
SetTransparent (FdoBoolean transparent)	FdoWmsOvRasterDefinition
SetUseTileCache (FdoBoolean value)	FdoWmsOvRasterDefinition

[FdoWmsOvRasterDefinition](#)

[Create](#)

FDOWMS_API FdoString*

[FdoWmsOvClassDefinition](#)

FdoWmsOvRasterDefinition::GetBackgroundColor

[GetBackgroundColor](#)[GetElevationDimension](#)

Gets the background color.

[GetImageFormat](#)[GetLayers](#)[GetQualifiedName](#)[GetSpatialContextName](#)[GetTimeDimension](#)[GetTransparent](#)[GetUseTileCache](#)[SetBackgroundColor](#)[SetElevationDimension](#)[SetImageFormat](#)[SetSpatialContextName](#)[SetTimeDimension](#)[SetTransparent](#)[SetUseTileCache](#)**Remarks:**

The background color is a string that specifies used as the background pixels of the map. The of the background color is a hexadecimal enco value where two hexadecimal characters are us Red, Green, and Blue colour values. The value between 00 and FF for each (0 and 255, base 1 0xRRGGBB; either upper or lower case charac for RR, GG, and BB values. The "0x" prefix sh case x? The default value is 0xFFFFFFFF (corres colour white).

Returns:

Returns a FdoString indicating the background when rendering the WMS image.

[FdoWmsOvRasterDefinition](#)

[Create](#)

[FdoWmsOvClassDefinition](#)

[GetBackgroundColor](#)

[GetElevationDimension](#)

[GetImageFormat](#)

[GetLayers](#)

[GetQualifiedName](#)

[GetSpatialContextName](#)

[GetTimeDimension](#)

[GetTransparent](#)

[GetUseTileCache](#)

[SetBackgroundColor](#)

[SetElevationDimension](#)

[SetImageFormat](#)

[SetSpatialContextName](#)

[SetTimeDimension](#)

[SetTransparent](#)

[SetUseTileCache](#)

FDO_WMS_API FdoString*

FdoWmsOvRasterDefinition::GetElevationDimension

Gets the elevation dimension of the requested WMS

Remarks:

If a WMS Map has a Elevation dimension definition to retrieve the map in the required dimension, the property may set to 'ELEVATION=value'.

Returns:

Returns a FdoString indicating the elevation dimension of the requested WMS image.

[FdoWmsOvRasterDefinition](#)

[Create](#)

[FdoWmsOvClassDefinition](#)

[GetBackgroundColor](#)

FDOWMS_API FdoString*

[GetElevationDimension](#)

FdoWmsOvRasterDefinition::GetImageFormat (vc

[GetImageFormat](#)

Gets the format type in which the WMS image will generated.

[GetLayers](#)

[GetQualifiedName](#)

[GetSpatialContextName](#)

Remarks:

Allowed map formats are "picture" formats . P formats constitute a rectangular pixel array of 1 size. Picture formats include file types such as Portable Network Graphics (PNG), Joint Photographics Expert Group (JPEG) and file ty such as Tagged Image File Format (TIFF).

[GetTimeDimension](#)

[GetTransparent](#)

[GetUseTileCache](#)

[SetBackgroundColor](#)

[SetElevationDimension](#)

[SetImageFormat](#)

[SetSpatialContextName](#)

[SetTimeDimension](#)

[SetTransparent](#)

[SetUseTileCache](#)

Returns:

Returns the WMS image format.

[FdoWmsOvRasterDefinition](#)

[Create](#)[FdoWmsOvClassDefinition](#)[GetBackgroundColor](#)[GetElevationDimension](#)[GetImageFormat](#)[GetLayers](#)[GetQualifiedName](#)[GetSpatialContextName](#)[GetTimeDimension](#)[GetTransparent](#)[GetUseTileCache](#)[SetBackgroundColor](#)[SetElevationDimension](#)[SetImageFormat](#)[SetSpatialContextName](#)[SetTimeDimension](#)[SetTransparent](#)[SetUseTileCache](#)

FDOWMS_API

[FdoWmsOvLayerCollection](#)* (void)

FdoWmsOvRasterDefinition::GetLayers

Gets the WMS layers that will be used to construct composite WMS image.

Remarks:

A WMS shall render the requested layers by drawing the first map in the list bottommost, the next one over that, and so on.

Returns:

Returns the collection of WMS layers associated with the logical FDO class definition.

[FdoWmsOvRasterDefinition](#)

[Create](#)

[FdoWmsOvClassDefinition](#)

[GetBackgroundColor](#)

[GetElevationDimension](#)

[GetImageFormat](#)

[GetLayers](#)

[GetQualifiedName](#)

[GetSpatialContextName](#)

[GetTimeDimension](#)

[GetTransparent](#)

[GetUseTileCache](#)

[SetBackgroundColor](#)

[SetElevationDimension](#)

[SetImageFormat](#)

[SetSpatialContextName](#)

[SetTimeDimension](#)

[SetTransparent](#)

[SetUseTileCache](#)

virtual FDO_WMS_API FdoStringP
FdoWmsOvRasterDefinition::GetQualifiedName (

Gets the fully qualified name of this element.

Returns:

Returns the qualified element name

[FdoWmsOvRasterDefinition](#)

[Create](#)

[FdoWmsOvClassDefinition](#)

[GetBackgroundColor](#)

[GetElevationDimension](#)

[GetImageFormat](#)

[GetLayers](#)

[GetQualifiedName](#)

[GetSpatialContextName](#)

[GetTimeDimension](#)

[GetTransparent](#)

[GetUseTileCache](#)

[SetBackgroundColor](#)

[SetElevationDimension](#)

[SetImageFormat](#)

[SetSpatialContextName](#)

[SetTimeDimension](#)

[SetTransparent](#)

[SetUseTileCache](#)

FDO_WMS_API FdoString*

FdoWmsOvRasterDefinition::GetSpatialContextName

Gets the spatial context in which the requested WMS class definition is returned.

Remarks:

The same spatial context name applies to all WMS class definitions.

Returns:

Returns the WMS Provider's spatial context name.

[FdoWmsOvrasterDefinition](#)

[Create](#)[FdoWmsOvrasterDefinition](#)[GetBackgroundColor](#)[GetElevationDimension](#)[GetImageFormat](#)[GetLayers](#)[GetQualifiedName](#)[GetSpatialContextName](#)[GetTimeDimension](#)[GetTransparent](#)[GetUseTileCache](#)[SetBackgroundColor](#)[SetElevationDimension](#)[SetImageFormat](#)[SetSpatialContextName](#)[SetTimeDimension](#)[SetTransparent](#)[SetUseTileCache](#)

FDOWMS_API FdoString*

FdoWmsOvrasterDefinition::GetTimeDimension (

Gets the time dimension of the requested WMS map

Remarks:

If a WMS map has a Time dimension defined, may include the parameter TIME=value. For the parameter, the special keyword 'current' may be used. If the WMS Dimension:Name="time" service metadata includes a nonzero value for the 'current' attribute, the expression "TIME=current" means send the most current data available. The expression "TIME=start_time/current_time" means send data from start_time up to the most current time available.

Returns:

Returns a FdoString indicating the time dimension of the requested WMS image.

[FdoWmsOvRasterDefinition](#)

[Create](#)

[FdoWmsOvClassDefinition](#)

[GetBackgroundColor](#)

[GetElevationDimension](#)

[GetImageFormat](#)

[GetLayers](#)

[GetQualifiedName](#)

[GetSpatialContextName](#)

[GetTimeDimension](#)

[GetTransparent](#)

[GetUseTileCache](#)

[SetBackgroundColor](#)

[SetElevationDimension](#)

[SetImageFormat](#)

[SetSpatialContextName](#)

[SetTimeDimension](#)

[SetTransparent](#)

[SetUseTileCache](#)

FDO_WMS_API FdoBoolean

FdoWmsOvRasterDefinition::GetTransparent (void)

Gets the transparency state.

Remarks:

The transparency state specifies whether the W background is to be made transparent or not. T value is false. The ability to return an image dr transparent pixels allows results of different M requests to be overlaid, producing a composite

Returns:

Returns an FdoBoolean indicating the state of transparency flag.

[FdoWmsOvRasterDefinition](#)

[Create](#)[FdoWmsOvClassDefinition](#)[GetBackgroundColor](#)[GetElevationDimension](#)[GetImageFormat](#)[GetLayers](#)[GetQualifiedName](#)[GetSpatialContextName](#)[GetTimeDimension](#)[GetTransparent](#)[GetUseTileCache](#)[SetBackgroundColor](#)[SetElevationDimension](#)[SetImageFormat](#)[SetSpatialContextName](#)[SetTimeDimension](#)[SetTransparent](#)[SetUseTileCache](#)

FDOWMS_API FdoBoolean

FdoWmsOvRasterDefinition::GetUseTileCache (v

Gets the tile caching option value.

Remarks:

This option specifies whether using the tile cache to query the raster data. The default value is true.

Returns:

Returns a FdoBoolean indicating whether using the tile cache or not.

[FdoWmsOvRasterDefinition](#)

[Create](#)

[FdoWmsOvClassDefinition](#) FDO_WMS_API void

[GetBackgroundColor](#) FdoWmsOvRasterDefinition::SetBackgroundColor

[GetElevationDimension](#)

[GetImageFormat](#)

[GetLayers](#)

[GetQualifiedName](#)

[GetSpatialContextName](#)

[GetTimeDimension](#)

[GetTransparent](#)

[GetUseTileCache](#)

[SetBackgroundColor](#)

[SetElevationDimension](#)

[SetImageFormat](#)

[SetSpatialContextName](#)

[SetTimeDimension](#)

[SetTransparent](#)

[SetUseTileCache](#)

Sets the background color.

Remarks:

The background color is a string that specifies the background pixels of the map. The general background color is a hexadecimal encoding of two hexadecimal characters are used for each colour values. The values can range between 0 and 255, base 10). The format is 0xRRGGBB; case characters are allowed for RR, GG, and B prefix shall have a lower case x? The default value (corresponding to the colour white).

Returns:

Returns nothing.

[FdoWmsOvRasterDefinition](#)

[Create](#)

[FdoWmsOvClassDefinition](#)

[GetBackgroundColor](#)

FDOWMS_API void

[GetElevationDimension](#)

FdoWmsOvRasterDefinition::SetElevationDimensi

[GetImageFormat](#)

[GetLayers](#)

Sets the time dimension of the requested WMS map

[GetQualifiedName](#)

[GetSpatialContextName](#)

[GetTimeDimension](#)

[GetTransparent](#)

[GetUseTileCache](#)

[SetBackgroundColor](#)

[SetElevationDimension](#)

[SetImageFormat](#)

[SetSpatialContextName](#)

[SetTimeDimension](#)

[SetTransparent](#)

[SetUseTileCache](#)

Remarks:

If a WMS Map has a Elevation dimension defi
the map in the required dimension, the dimensi
'ELEVATION=value'.

Returns:

Returns nothing.

/ Returns a FdoString indicating the elevation o
WMS image.

[FdoWmsOvRasterDefinition](#)

[Create](#)[FdoWmsOvClassDefinition](#)[GetBackgroundColor](#)[GetElevationDimension](#)[GetImageFormat](#)[GetLayers](#)[GetQualifiedName](#)[GetSpatialContextName](#)[GetTimeDimension](#)[GetTransparent](#)[GetUseTileCache](#)[SetBackgroundColor](#)[SetElevationDimension](#)[SetImageFormat](#)[SetSpatialContextName](#)[SetTimeDimension](#)[SetTransparent](#)[SetUseTileCache](#)

FDOWMS_API void

FdoWmsOvRasterDefinition::SetImageFormat (Fd *

Sets the format type in which the WMS image will

Remarks:

Allowed map formats are "picture" formats . P
constitute a rectangular pixel array of fixed siz
formats include file types such as Portable Net
(PNG), Joint Photographics Expert Group (JPE
types such as Tagged Image File Format (TIFF

Returns:

Returns nothing.

[FdoWmsOvRasterDefinition](#)

[Create](#)

[FdoWmsOvClassDefinition](#)

[GetBackgroundColor](#)

[GetElevationDimension](#)

[GetImageFormat](#)

FDOWMS_API void

[GetLayers](#)

FdoWmsOvRasterDefinition::SetSpatialContextName

[GetQualifiedName](#)

[GetSpatialContextName](#)

Sets the spatial context in which the requested WMS class definition is requested.

[GetTimeDimension](#)

Remarks:

[GetTransparent](#)

The same spatial context name applies to all layer class definitions.

[GetUseTileCache](#)

[SetBackgroundColor](#)

[SetElevationDimension](#)

Returns:

Returns nothing.

[SetImageFormat](#)

[SetSpatialContextName](#)

[SetTimeDimension](#)

[SetTransparent](#)

[SetUseTileCache](#)

[FdoWmsOvRasterDefinition](#)

[Create](#)

[FdoWmsOvClassDefinition](#)

[GetBackgroundColor](#)

[GetElevationDimension](#)

[GetImageFormat](#)

[GetLayers](#)

[GetQualifiedName](#)

[GetSpatialContextName](#)

[GetTimeDimension](#)

[GetTransparent](#)

[GetUseTileCache](#)

[SetBackgroundColor](#)

[SetElevationDimension](#)

[SetImageFormat](#)

[SetSpatialContextName](#)

[SetTimeDimension](#)

[SetTransparent](#)

[SetUseTileCache](#)

FDO_WMS_API void

FdoWmsOvRasterDefinition::SetTimeDimension (

Sets the time dimension of the requested WMS map

Remarks:

If a WMS map has a Time dimension defined, include the parameter TIME=value. For the TIME special keyword 'current' may be used if the W Dimension:Name="time" service metadata element nonzero value for the 'current' attribute. The expression "TIME=current" means send the most current data available. The expression "TIME=start_time/current" means send data from start_time up to the most current data available.

Returns:

Returns nothing .

[FdoWmsOvRasterDefinition](#)

[Create](#)[FdoWmsOvClassDefinition](#)[GetBackgroundColor](#)[GetElevationDimension](#)[GetImageFormat](#)[GetLayers](#)[GetQualifiedName](#)[GetSpatialContextName](#)[GetTimeDimension](#)[GetTransparent](#)[GetUseTileCache](#)[SetBackgroundColor](#)[SetElevationDimension](#)[SetImageFormat](#)[SetSpatialContextName](#)[SetTimeDimension](#)[SetTransparent](#)[SetUseTileCache](#)

FDOWMS_API void
FdoWmsOvRasterDefinition::SetTransparent (Fdo

Sets the transparency state.

Remarks:

The transparency state specifies whether the W to be made transparent or not. The default valu return an image drawn with transparent pixels different Map requests to be overlaid, producir

Returns:

Returns nothing.

[FdoWmsOvRasterDefinition](#)

[Create](#)[FdoWmsOvClassDefinition](#)[GetBackgroundColor](#)[GetElevationDimension](#)[GetImageFormat](#)

FDOWMS_API void

[GetLayers](#)

FdoWmsOvRasterDefinition::SetUseTileCache (F)

[GetQualifiedName](#)

Sets the tile caching option value.

[GetSpatialContextName](#)[GetTimeDimension](#)**Remarks:**[GetTransparent](#)

This option specifies whether using the tile caching option to query the raster data. The default value is true.

[GetUseTileCache](#)[SetBackgroundColor](#)**Returns:**[SetElevationDimension](#)

Returns nothing.

[SetImageFormat](#)[SetSpatialContextName](#)[SetTimeDimension](#)[SetTransparent](#)[SetUseTileCache](#)

[FdoWmsOvRasterDefinition](#)

[Create](#)[FdoWmsOvClassDefinition](#)[GetBackgroundColor](#)[GetElevationDimension](#)[GetImageFormat](#)[GetLayers](#)[GetQualifiedName](#)[GetSpatialContextName](#)[GetTimeDimension](#)[GetTransparent](#)[GetUseTileCache](#)[SetBackgroundColor](#)[SetElevationDimension](#)[SetImageFormat](#)[SetSpatialContextName](#)[SetTimeDimension](#)[SetTransparent](#)[SetUseTileCache](#)

static FDOWMS_API

[FdoWmsOvRasterDefinition](#)* () [static]

FdoWmsOvRasterDefinition::Create

Constructs a new Raster Definition.

Returns:

Returns the newly created

[FdoWmsOvRasterDefinition](#) instance.

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

[FdoWmsOvRasterDefinition](#)

[Create](#)[FdoWmsOvClassDefinition](#)[GetBackgroundColor](#)[GetElevationDimension](#)[GetImageFormat](#)[GetLayers](#)[GetQualifiedName](#)[GetSpatialContextName](#)[GetTimeDimension](#)[GetTransparent](#)[GetUseTileCache](#)[SetBackgroundColor](#)[SetElevationDimension](#)[SetImageFormat](#)[SetSpatialContextName](#)[SetTimeDimension](#)[SetTransparent](#)[SetUseTileCache](#)

friend class [FdoWmsOvClassDefinition](#)
[friend]

Definition at line [34](#) of file
[FdoWmsOvRasterDefinition.h](#).

API Reference

OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

FdoWmsOvStyleDefinition.h

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

```
00001 /*
00002  * Copyright (C) 2004-2006 Autodesk, Inc.
00003  *
00004  * This library is free software; you can redistribute it and/
00005  * modify it under the terms of version 2.1 of the GNU Lesser
00006  * General Public License as published by the Free Software Fo
00007  *
00008  * This library is distributed in the hope that it will be use
00009  * but WITHOUT ANY WARRANTY; without even the implied warranty
00010  * MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See t
00011  * Lesser General Public License for more details.
00012  *
00013  * You should have received a copy of the GNU Lesser General P
00014  * License along with this library; if not, write to the Free
00015  * Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA
00016  *
00017  */
00018 #ifndef FdoWmsOvStyleDefinition_H
00019 #define FdoWmsOvStyleDefinition_H
00020
00021 #ifdef _WIN32
00022 #pragma once
00023 #endif //_WIN32
00024
00025 #include <WMS/FdoWmsOvProvider.h>
00026
00027 /// \brief
00028 ///
00029 /// The FdoWmsOvStyleDefinition class defines a WMS style that
00030 class FdoWmsOvStyleDefinition : public FdoPhysicalElementMappi
00031 {
00032     typedef FdoPhysicalElementMapping BaseType;
00033
00034 public:
00035     /// \brief
00036     /// Constructs a new empty style definition.
00037     ///
00038     /// \return
00039     /// Returns the newly created FdoWmsOvStyleDefinition inst
00040     ///
00041     FDOWMS_API static FdoWmsOvStyleDefinition* Create();
00042
```

```

00043 /// \cond DOXYGEN-IGNORE
00044
00045 public:
00046     /// XML Serialization functions, not part of supported API
00047     FDOWMS_API virtual void InitFromXml(FdoXmlSaxContext* pCon
00048     FDOWMS_API virtual FdoXmlSaxHandler* XmlStartElement(
00049         FdoXmlSaxContext* context,
00050         FdoString* uri,
00051         FdoString* name,
00052         FdoString* qname,
00053         FdoXmlAttributeCollection* atts
00054     );
00055     FDOWMS_API virtual FdoBoolean XmlEndElement(FdoXmlSaxConte
00056     FDOWMS_API void _writeXml( FdoXmlWriter* xmlWriter, const
00057
00058 protected:
00059     FDOWMS_API FdoWmsOvStyleDefinition(void);
00060     FDOWMS_API virtual ~FdoWmsOvStyleDefinition(void);
00061     void Dispose(void);
00062 /// \endcond
00063
00064 };
00065
00066 /// \brief
00067 /// FdoWmsOvStyleDefinitionP is a FdoPtr on FdoWmsOvStyleDefi
00068 00068 typedef FdoPtr<FdoWmsOvStyleDefinition> FdoWmsOvStyleDefinitio
00069
00070 #endif
00071
00072

```

API Reference

OSGeo FDO Provider for WMS

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

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

FdoWmsOvStyleDefinition Member List

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

[Create\(\)](#) [FdoWmsOvStyleDefinition](#) [static]

[Comments?](#)

[FdoWmsOvStyleDefinition](#)

```
static FDO_WMS_API  
FdoWmsOvStyleDefinition* ( ) [static]  
FdoWmsOvStyleDefinition::Create
```

[Create](#) Constructs a new empty style definition.

Returns:

Returns the newly created [FdoWmsOvStyleDefinition](#) instance.

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

- Create() : [FdoWmsOvClassCollection](#) , [FdoWmsOvStyleDefinition](#) , [FdoWmsOvRasterDefinition](#) , [FdoWmsOvPhysicalSchemaMapping](#) , [FdoWmsOvLayerDefinition](#) , [FdoWmsOvLayerCollection](#) , [FdoWmsOvClassDefinition](#)
- GetBackgroundColor() : [FdoWmsOvRasterDefinition](#)
- GetClasses() : [FdoWmsOvPhysicalSchemaMapping](#)
- GetElevationDimension() : [FdoWmsOvRasterDefinition](#)
- GetImageFormat() : [FdoWmsOvRasterDefinition](#)
- GetLayers() : [FdoWmsOvRasterDefinition](#)
- GetProvider() : [FdoWmsOvPhysicalSchemaMapping](#)
- GetQualifiedName() : [FdoWmsOvClassDefinition](#) , [FdoWmsOvRasterDefinition](#)
- GetRasterDefinition() : [FdoWmsOvClassDefinition](#)
- GetSpatialContextName() : [FdoWmsOvRasterDefinition](#)
- GetStyle() : [FdoWmsOvLayerDefinition](#)
- GetTimeDimension() : [FdoWmsOvRasterDefinition](#)
- GetTransparent() : [FdoWmsOvRasterDefinition](#)
- GetUseTileCache() : [FdoWmsOvRasterDefinition](#)
- SetBackgroundColor() : [FdoWmsOvRasterDefinition](#)
- SetElevationDimension() : [FdoWmsOvRasterDefinition](#)
- SetImageFormat() : [FdoWmsOvRasterDefinition](#)
- SetRasterDefinition() : [FdoWmsOvClassDefinition](#)
- SetSpatialContextName() : [FdoWmsOvRasterDefinition](#)
- SetStyle() : [FdoWmsOvLayerDefinition](#)
- SetTimeDimension() : [FdoWmsOvRasterDefinition](#)
- SetTransparent() : [FdoWmsOvRasterDefinition](#)
- SetUseTileCache() : [FdoWmsOvRasterDefinition](#)

API Reference

OSGeo FDO Provider for WMS

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

- FdoWmsOvClassDefinition : [FdoWmsOvRasterDefinition](#)

[Comments?](#)

API Reference

OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

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 Feature Data Objects (FDO) API provides access to data
00006 data store. A provider is a specific implementation of the FDO
00007 that provides access to data in a particular data store. The F
00008 Provider for WMS provides FDO with access to a WMS-based data
00009 </p>
00010 <p>An Open Geospatial Consortium (OGC) Web Map Service (WMS)
00011 produces maps of spatially referenced data dynamically from
00012 geographic information. This international standard defines a
00013 "map" to be a portrayal of geographic information as a
00014 digital image file suitable for display on a computer screen.
00015 A map is not the data itself. Maps by WMS are generally
00016 rendered in a pictorial format, such as PNG, GIF or JPEG, or
00017 occasionally as vector-based graphical elements in Scalable
00018 Vector Graphics (SVG) or Web Computer Graphics Metafile
00019 (WebCGM) formats.
00020
00021 <p>The FDO Provider for WMS has the following characteristics:
00022 </p>
00023 <ul>
00024 <li> The FDO Provider for WMS serves up map information orig
00025 from an OGC Basic Web Map Service that provides pictorially
00026 images, such as PNG, GIF, or JPEG.
00027 <li> WMS map data is exposed through an FDO feature schema w
00028 contain an FDO Raster property definition. The FDO schema ex
00029 the FDO Provider for WMS conforms to a pre-defined FDO schem
00030 specific to WMS and that acts as the basis for all FDO inter
00031 WMS data, regardless of the originating source of the WMS in
00032 <li> WMS data manipulation operations are limited to queryin
00033 based on spatial and non-spatial constraints. Schema manipul
00034 operations are not supported.
00035 </ul>
00036 <p>The FDO Provider for WMS can run in a multi-platform enviro
00037 including Windows and Linux.
00038 </p>
00039 <p>
00040 For more information, see <i>The Essential FDO</i> (FET_TheEss
00041 and the <i>FDO Developer's Guide</i> (FDG_FD0DevGuide.pdf).
00042 </p>
```

00043
00044

00045 </div>
00046 */
00047
00048
00049
00050

[Comments?](#)

[FdoWmsOvClassCollection.h](#)

```
typedef FdoPtr<FdoWmsOvClassCollection>  
FdoWmsOvClassesP
```

[FdoWmsOvClassesP](#) FdoWmsClassesP is a GisPtr on [FdoWmsOvClassCollection](#), provided for convenience.

Definition at line [59](#) of file [FdoWmsOvClassCollection.h](#).

[FdoWmsOvClassDefinition.h](#)

```
typedef FdoPtr<FdoWmsOvClassDefinition>  
FdoWmsOvClassDefinitionP
```

[FdoWmsOvClassDefinitionP](#) is a FdoPtr on [FdoWmsOvClassDefinition](#), provided for convenience.

Definition at line [102](#) of file [FdoWmsOvClassDefinition.h](#).

[FdoWmsOvLayerCollection.h](#)

```
typedef FdoPtr<FdoWmsOvLayerCollection>  
FdoWmsOvLayersP
```

[FdoWmsOvLayersP](#) [FdoWmsLayersP](#) is a [GisPtr](#) on [FdoWmsOvLayerCollection](#), provided for convenience.

Definition at line [59](#) of file [FdoWmsOvLayerCollection.h](#).

[FdoWmsOvLayerDefinition.h](#)

```
typedef FdoPtr<FdoWmsOvLayerDefinition>  
FdoWmsOvLayerDefinitionP
```

[FdoWmsOvLayerDefinitionP](#) is a FdoPtr on [FdoWmsOvLayerDefinition](#), provided for convenience.

Definition at line [102](#) of file [FdoWmsOvLayerDefinition.h](#).

API Reference

OSGeo FDO Provider for WMS

[Main Page](#)[Classes](#)[Files](#)[File List](#)[File Members](#)

FdoWmsOvOverrides.h

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

```
00001 /*
00002  * Copyright (C) 2004-2007 Autodesk, Inc.
00003  *
00004  * This library is free software; you can redistribute it and/
00005  * modify it under the terms of version 2.1 of the GNU Lesser
00006  * General Public License as published by the Free Software Fo
00007  *
00008  * This library is distributed in the hope that it will be use
00009  * but WITHOUT ANY WARRANTY; without even the implied warranty
00010  * MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See t
00011  * Lesser General Public License for more details.
00012  *
00013  * You should have received a copy of the GNU Lesser General P
00014  * License along with this library; if not, write to the Free
00015  * Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA
00016  *
00017  */
00018 #ifndef FDOWNMSOVERRIDES_H
00019 #define FDOWNMSOVERRIDES_H
00020
00021
00022 #ifdef _WIN32
00023 #pragma once
00024 #endif
00025
00026 #include <WMS/FdoWmsOvProvider.h>
00027 #include <WMS/Override/FdoWmsOvStyleDefinition.h>
00028 #include <WMS/Override/FdoWmsOvLayerDefinition.h>
00029 #include <WMS/Override/FdoWmsOvLayerCollection.h>
00030 #include <WMS/Override/FdoWmsOvClassDefinition.h>
00031 #include <WMS/Override/FdoWmsOvRasterDefinition.h>
00032 #include <WMS/Override/FdoWmsOvClassCollection.h>
00033 #include <WMS/Override/FdoWmsOvPhysicalSchemaMapping.h>
00034
00035
00036 #endif
00037
00038
```

[FdoWmsOvPhysicalSchemaMapping.h](#)

typedef
FdoPtr<[FdoWmsOvPhysicalSchemaMa](#)
[FdoWmsOvPhysicalSchemaMappingP](#)

[FdoWmsOvPhysicalSchemaMappingP](#)

FdoWmsOvPhysicalSchemaMappingP is
FdoPtr on
[FdoWmsOvPhysicalSchemaMapping](#), p1
for convenience.

Definition at line [90](#) of file
[FdoWmsOvPhysicalSchemaMapping.h](#).

[FdoWmsOvRasterDefinition.h](#)

```
typedef FdoPtr<FdoWmsOvRasterDefinition>  
FdoWmsOvRasterDefinitionP
```

[FdoWmsOvRasterDefinitionP](#) is a FdoPtr on [FdoWmsOvRasterDefinition](#), provided for convenience.

Definition at line [330](#) of file [FdoWmsOvRasterDefinition.h](#).

[FdoWmsOvStyleDefinition.h](#)

```
typedef FdoPtr<FdoWmsOvStyleDefinition>  
FdoWmsOvStyleDefinitionP
```

[FdoWmsOvStyleDefinitionP](#) is a FdoPtr on [FdoWmsOvStyleDefinition](#), provided for convenience.

Definition at line [68](#) of file [FdoWmsOvStyleDefinition.h](#).

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

[File List](#)[File Members](#)

[All](#)[Typedefs](#)

- FdoWmsOvClassDefinitionP : [FdoWmsOvClassDefinition.h](#)
- FdoWmsOvClassesP : [FdoWmsOvClassCollection.h](#)
- FdoWmsOvLayerDefinitionP : [FdoWmsOvLayerDefinition.h](#)
- FdoWmsOvLayersP : [FdoWmsOvLayerCollection.h](#)
- FdoWmsOvPhysicalSchemaMappingP :
[FdoWmsOvPhysicalSchemaMapping.h](#)
- FdoWmsOvRasterDefinitionP : [FdoWmsOvRasterDefinition.h](#)
- FdoWmsOvStyleDefinitionP : [FdoWmsOvStyleDefinition.h](#)