My Project

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Chapter 1

Hierarchical Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

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    GDAL_EDBFile 5
GDALPamDataset
    PCIDSK2Dataset 7
GDALPamRasterBand
    PCIDSK2Band 6
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IOInterfaces
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OGRLayer
    OGRPCIDSKLayer 5
RawDataset
    PCIDSKDataset 8
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Chapter 2

Class Index

2.1 Class List

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

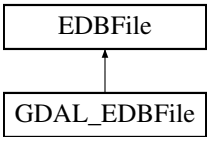
GDAL_EDBFile 5
OGRPCIDSKLayer 5
PCIDSK2Band 6
PCIDSK2Dataset 7
PCIDSKDataset 8
PCIDSKRawRasterBand 8
PCIDSKTiledRasterBand 9
VSI_IOInterface 9

Chapter 3

Class Documentation

3.1 GDAL_EDBFile Class Reference

Inheritance diagram for GDAL_EDBFile:



Public Member Functions

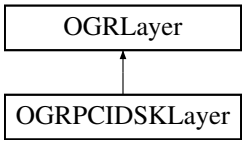
- **GDAL_EDBFile** (GDALDataset ∗poDSIn)
- int **Close** () const
- int **GetWidth** () const
- int **GetHeight** () const
- int **GetChannels** () const
- int **GetBlockWidth** (int channel) const
- int **GetBlockHeight** (int channel) const
- eChanType **GetType** (int channel) const
- int **ReadBlock** (int channel, int block_index, void ∗buffer, int win_xoff, int win_yoff, int win_xsize, int win_ysize)
- int **WriteBlock** (int channel, int block_index, void ∗buffer)

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

- gdal_edb.cpp

3.2 OGRPCIDSKLayer Class Reference

Inheritance diagram for OGRPCIDSKLayer:



Public Member Functions

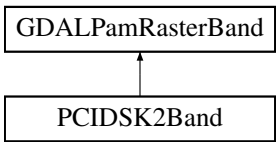
- **OGRPCIDSKLayer** (PCIDSK::PCIDSKSegment *, bool bUpdate)
- void **ResetReading** ()
- OGRFeature * **GetNextFeature** ()
- OGRFeature * **GetFeature** (GIntBig nFeatureId)
- virtual OGRErr **ISetFeature** (OGRFeature *poFeature)
- OGRFeatureDefn * **GetLayerDefn** ()
- int **TestCapability** (const char *)
- OGRErr **DeleteFeature** (GIntBig nFID)
- virtual OGRErr **ICreateFeature** (OGRFeature *poFeature)
- virtual OGRErr **CreateField** (OGRFieldDefn *poField, int bApproxOK=TRUE)
- GIntBig **GetFeatureCount** (int)
- OGRErr **GetExtent** (OGREnvelope *psExtent, int bForce)

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

- pcidskdataset2.h
- ogrpcidsklayer.cpp

3.3 PCIDSK2Band Class Reference

Inheritance diagram for PCIDSK2Band:



Public Member Functions

- **PCIDSK2Band** (PCIDSK2Dataset *, PCIDSKFile *, int)
- **PCIDSK2Band** (PCIDSKChannel *)
- virtual CPLErr **IReadBlock** (int, int, void *)
- virtual CPLErr **IWriteBlock** (int, int, void *)
- virtual int **GetOverviewCount** ()
- virtual GDALRasterBand * **GetOverview** (int)
- virtual GDALColorInterp **GetColorInterpretation** ()
- virtual GDALColorTable * **GetColorTable** ()
- virtual CPLErr **SetColorTable** (GDALColorTable *)
- virtual void **SetDescription** (const char *)
- virtual char ** **GetMetadataDomainList** ()
- CPLErr **SetMetadata** (char **, const char *)
- char ** **GetMetadata** (const char *)
- CPLErr **SetMetadataItem** (const char *, const char *, const char *)
- const char * **GetMetadataItem** (const char *, const char *)
- virtual char ** **GetCategoryNames** ()

Friends

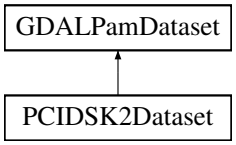
- class **PCIDSK2Dataset**

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

- pcidskdataset2.h
- pcidskdataset2.cpp

3.4 PCIDSK2Dataset Class Reference

Inheritance diagram for PCIDSK2Dataset:



Public Member Functions

- char ∗∗ **GetFileList** (void)
- CPLErr **GetGeoTransform** (double ∗padfTransform)
- CPLErr **SetGeoTransform** (double ∗)
- const char ∗ **GetProjectionRef** ()
- CPLErr **SetProjection** (const char ∗)
- virtual char ∗∗ **GetMetadataDomainList** ()
- CPLErr **SetMetadata** (char ∗∗, const char ∗)
- char ∗∗ **GetMetadata** (const char ∗)
- CPLErr **SetMetadataItem** (const char ∗, const char ∗, const char ∗)
- const char ∗ **GetMetadataItem** (const char ∗, const char ∗)
- virtual void **FlushCache** (void)
- virtual CPLErr **IBuildOverviews** (const char ∗, int, int ∗, int, int ∗, GDALProgressFunc, void ∗)
- virtual int **GetLayerCount** ()
- virtual OGRLayer ∗ **GetLayer** (int)
- virtual int **TestCapability** (const char ∗)
- virtual OGRLayer ∗ **ICreateLayer** (const char ∗, OGRSpatialReference ∗, OGRwkbGeometryType, char ∗∗)

Static Public Member Functions

- static int **Identify** (GDALOpenInfo ∗)
- static GDALDataset ∗ **Open** (GDALOpenInfo ∗)
- static GDALDataset ∗ **LLOpen** (const char ∗pszFilename, PCIDSK::PCIDSKFile ∗, GDALAccess eAccess, char ∗∗papszSiblingFiles=NULL)
- static GDALDataset ∗ **Create** (const char ∗pszFilename, int nXSize, int nYSize, int nBands, GDALDataType eType, char ∗∗papszParmList)

Friends

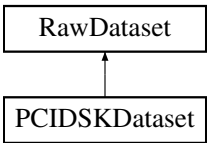
- class **PCIDSK2Band**

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

- pcidskdataset2.h
- pcidskdataset2.cpp

3.5 PCIDSKDataset Class Reference

Inheritance diagram for PCIDSKDataset:



Public Member Functions

- virtual void **FlushCache** (void)
- CPLErr **GetGeoTransform** (double ∗padfTransform)
- virtual CPLErr **SetGeoTransform** (double ∗)
- const char ∗ **GetProjectionRef** ()
- virtual CPLErr **SetProjection** (const char ∗)
- virtual int **GetGCPCount** ()
- virtual const char ∗ **GetGCPProjection** ()
- virtual const GDAL_GCP ∗ **GetGCPs** ()
- int **SegRead** (int nSegment, vsi_l_offset nOffset, int nSize, void ∗pBuffer)

Static Public Member Functions

- static int **Identify** (GDALOpenInfo ∗)
- static GDALDataset ∗ **Open** (GDALOpenInfo ∗)
- static GDALDataset ∗ **Create** (const char ∗pszFilename, int nXSize, int nYSize, int nBands, GDALDataType eType, char ∗∗papszParmList)
- static GDALDataset ∗ **CreateCopy** (const char ∗pszFilename, GDALDataset ∗poSrcDS, int bStrict, char ∗∗papszOptions, GDALProgressFunc pfnProgress, void ∗pProgressData)

Friends

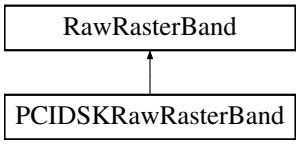
- class **PCIDSKRawRasterBand**
- class **PCIDSKTiledRasterBand**

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

- gdal_pcidsk.h
- pcidskdataset.cpp

3.6 PCIDSKRawRasterBand Class Reference

Inheritance diagram for PCIDSKRawRasterBand:



Public Member Functions

- **PCIDSKRawRasterBand** (GDALDataset *poDS, int nBand, VSILFILE *fpRaw, vsi_l_offset nImgOffset, int nPixelOffset, int nLineOffset, GDALDataType eDataType, int bNativeOrder)
- virtual int **GetOverviewCount** ()
- virtual GDALRasterBand * **GetOverview** (int iOverview)

Friends

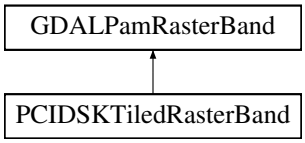
- class **PCIDSKDataset**

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

- gdal_pcidsk.h

3.7 PCIDSKTiledRasterBand Class Reference

Inheritance diagram for PCIDSKTiledRasterBand:



Public Member Functions

- **PCIDSKTiledRasterBand** (PCIDSKDataset *, int, int)
- virtual CPLErr **IReadBlock** (int, int, void *)
- int **SysRead** (vsi_l_offset nOffset, int nSize, void *)
- virtual int **GetOverviewCount** ()
- virtual GDALRasterBand * **GetOverview** (int iOverview)

Friends

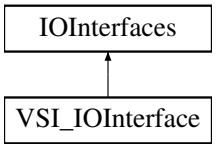
- class **PCIDSKDataset**

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

- gdal_pcidsk.h
- pcidsktiledrasterband.cpp

3.8 VSI_IOInterface Class Reference

Inheritance diagram for VSI_IOInterface:



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

- vsi_pcidsk_io.cpp

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