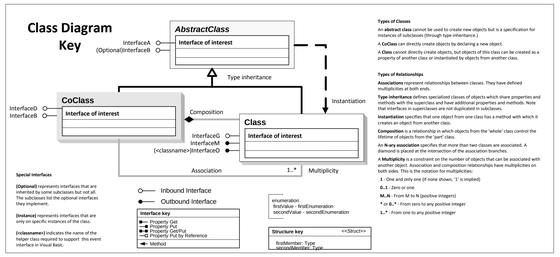
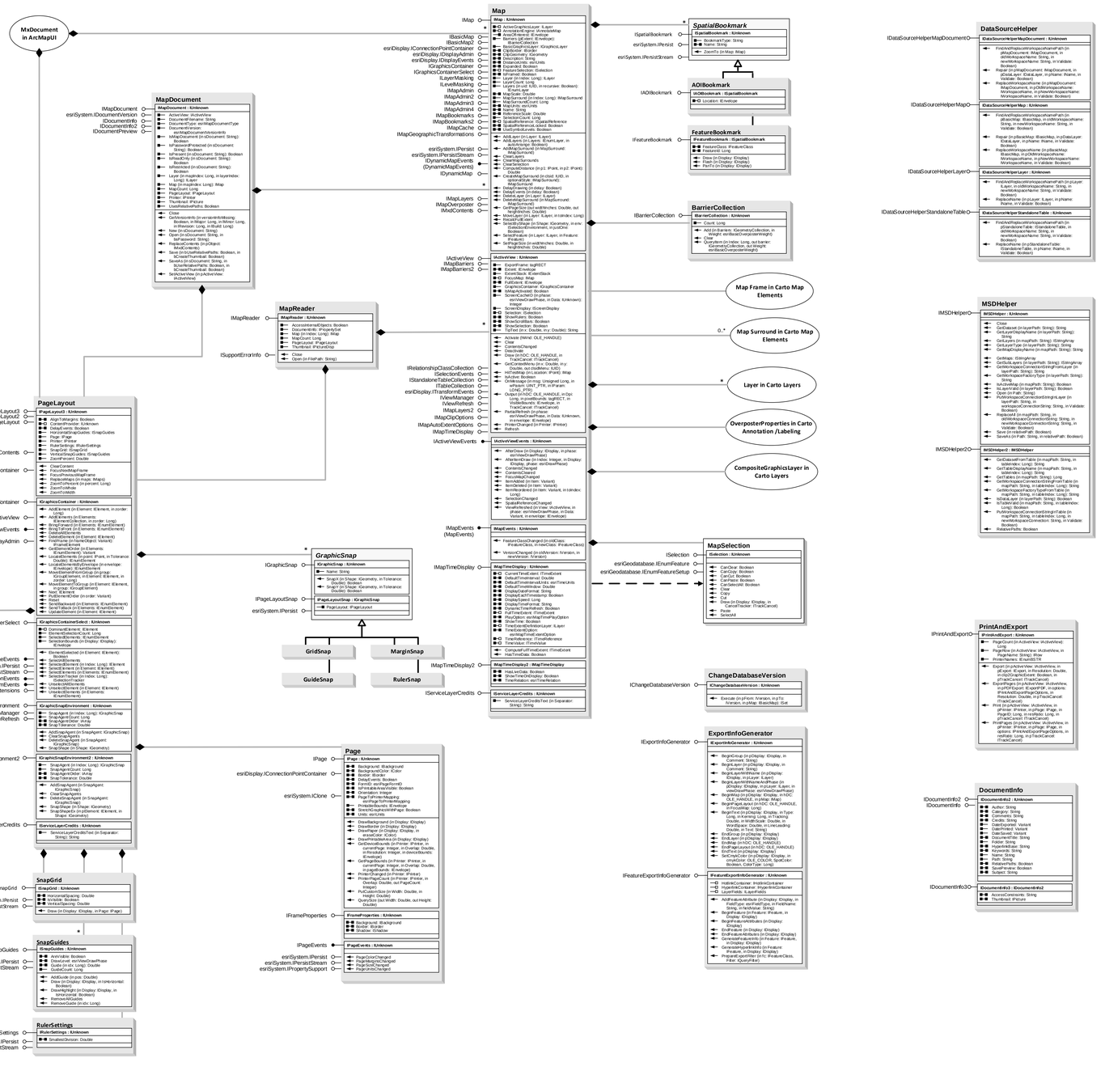


Carto Object Model
Map and Page Layout

Esri® ArcGIS® 10.5

Copyright © 1999-2017 Esri. All rights reserved. Esri, ArcGIS, ArcObjects, and ArcMap are trademarks, registered trademarks, or service marks of Esri in the United States, the European Community, or certain other jurisdictions.


MxDocument in ArcMapUI
MapDocument
MapDocument : IUnknown
ActiveView: IActiveView
DocumentFilename: String
DocumentType: esriMapDocumentType
DocumentVersion: esriDocumentVersionInfo
IsMapDocument (in pDocument: String): Boolean
IsPasswordProtected (in pDocument: String): Boolean
IsPassword: String()
IsPresent (in pDocument: String): Boolean
IsReadOnly (in pDocument: String): Boolean
Layer (in maplndex: Long, in layerIndex: Long): ILayer
Map (in mapIndex: Long): IMap
MapCount: Long
PageLayout: IPageLayout
Printer: IPrinter
UsesRelativePaths: Boolean
Close
GetDocumentInfo (in versionInfoMissing: Boolean, in iMajor: Long, in iMinor: Long, in iRevision: Long, in iBuild: Long)
New (in bDocument: String)
Open (in bDocument: String, in bPassword: String)
ReplaceContents (in pObject: IMxdContents)
Save (in bStoreRelativePaths: Boolean, in bCreateThumbnail: Boolean)
SaveAs (in bDocument: String, in bUseRelativePaths: Boolean, in bCreateThumbnail: Boolean)
SetActiveView (in pActiveView: IActiveView)
IMap
IBasicMap
IBasicMap2
esriDisplay.IConnectionPointContainer
esriDisplay.IDisplayAdmin
esriDisplay.IDisplayEvents
IGraphicsContainer
IGraphicsContainerSelect
ILayerMasking
ILevelMasking
IMapAdmin
IMapAdmin2
IMapAdmin3
IMapAdmin4
IMapBookmarks
IMapBookmarks2
IMapCache
IMapGeographicTinComputations
esriSystem.IPersist
esriSystem.IPersistStream
IDynamicMapEvents
(DynamicMapEvents)
IDynamicMap
IMapLayers
IMapOverposter
IMxdContents
Map
Map : IUnknown
ActiveGraphicsLayer: ILayer
ActiveView: IActiveView/IMap
AreaOfInterest: IEnvelope
Barriers (pExtent: IEnvelope): IEnumElement
BasicGraphicsLayer: IGraphicsLayer
ClipBorder: IBorder
ClipGeometry: IGeometry
Description: String
DistanceUnits: esriUnits
FeatureCount: Long
FeatureSelection: ISelection
hasFrames: Boolean
Layer (in index: Long): ILayer
LayerCount: Long
Layers (in uid: IUID, in recursive: Boolean): IEnumLayer
MapScale: Double
MapSurround (in Index: Long): IMapSurround
MapSurroundCount: Long
MapUnits: esriUnits
Name: String
ReferenceScale: Double
SelectionCount: Long
SpatialReference: ISpatialReference
SpatialReferenceLocked: Boolean
UseSymbolLevels: Boolean
AddLayer (in Layer: ILayer)
AddLayers (in Layers: IEnumLayer, in autoArrange: Boolean)
AddMapSurround (in MapSurround: IMapSurround)
ClearLayers
ClearMapSurrounds
ClearSelection
ComputeExtent (in p1: IPoint, in p2: IPoint): Double
CreateMapSurround (in clsid: IUID, in pUnk: IUnknown): IMapSurround
DelayDrawing (in delay: Boolean)
DelayErase (in delay: Boolean)
DeleteLayer (in Layer: ILayer)
DeleteMapSurround (in MapSurround: IMapSurround)
GetPageSize (out widthInches: Double, out heightInches: Double)
MoveLayer (in Layer: ILayer, in toIndex: Long)
RecalcFullExtent
SelectByShape (in Shape: IGeometry, in env: ISelectionEnvironment, in pzlOnly: Boolean)
SelectFeature (in Layer: ILayer, in Feature: IFeature)
SetPageSize (in widthInches: Double, in heightInches: Double)
IActiveView
IMapBarriers
IMapBarriers2
IActiveView : IUnknown
ExtentFrame: tagRECT
ExtentRect: IEnvelope
ExtentStack: IEnvelopeStack
FocusMap: IMap
FullExtent: IEnvelope
GraphicsContainer: IGraphicsContainer
GraphicsContainerSelect: IGraphicsContainerSelect
ScreenCached (in phaser: esriViewDrawPhase, in Data: IUnknown): Boolean
ScreenDisplay: IScreenDisplay
Selection: ISelection
ShowFeatures: Boolean
ShowScrollBars: Boolean
ShowSelectionLayer: Boolean
TipText (in x: Double, in y: Double): String
Activate (HWnd: OLE_HANDLE)
Clear
ContentsChanged
Deactivate
Draw (in hDC: OLE_HANDLE, in esriViewDrawPhase, in Data: IUnknown, in envelope: IEnvelope)
GetContextMenu (in x: Double, in y: Double, out clsidMenu: IUID)
HitTest (in x: Long, in y: Long, in Tolerance: Long, out pMapLayer: IMap): IUnknown
Output (in hDC: OLE_HANDLE, in dpi: Long, in pixelBounds: tagRECT, in VisibleBounds: IEnvelope, in TrackCancel: ITrackCancel)
PartialRefresh (in phaser: esriViewDrawPhase, in Data: IUnknown, in envelope: IEnvelope)
PrinterChanged (in pPrinter: IPrinter)
Refresh
IActiveViewEvents
IActiveViewEvents : IUnknown
AfterDraw (in pDisplay: IDisplay, in phase: esriViewDrawPhase)
AfterItemDraw (in Index: Integer, in Display: IDisplay, phase: esriDrawPhase)
ContentsCleared
ContentsChanged
FocusMapChanged
ItemAdded (in Item: Variant)
ItemDeleted (in Item: Variant)
ItemModified (in Item: Variant, in bIndex: Long)
SelectionChanged
SpatialReferenceChanged
SelectionChanged (in pActiveView, in phase: esriViewDrawPhase, in Data: Variant, in envelope: IEnvelope)
IMapEvents
(MapEvents)
MapEvents : IUnknown
FeatureClassChanged (in oldClass: IFeatureClass, in newClass: IFeatureClass)
MapContentsChanged (in oldVersion: IVersion, in newVersion: IVersion)
IMapTimeDisplay
IMapTimeDisplay : IUnknown
CurrentTimeExtent: ITimeExtent
DefaultTimeInterval: Double
DefaultTimeIntervalUnits: esriTimeUnits
DefaultTimeWindow: Double
DisplayDateFormat: String
DisplayExactTimeMatch: Boolean
DisplaySpeed: Long
DynamicTimeField: String
DynamicTimeRefresh: Boolean
FullTimeExtent: ITimeExtent
PlayOption: esriMapTimePlayOption
TimeOffset: Double
TimeReferenceLayer: ILayer
TimeExtentOption: esriMapTimeExtentOption
TimeReference: ITimeReference
TimeValue: ITimeValue
ComputeFullTimeExtent: ITimeExtent
HasTimeData: Boolean
IMapTimeDisplay2
IMapTimeDisplay2 : IMapTimeDisplay
HasLiveData: Boolean
ShowTimeOnlyKeys: Boolean
TimeRotation: esriTimeRelation
IServiceLayerCredits
IServiceLayerCredits : IUnknown
ServiceLayerCredsText (in Separator: String): String
ISpatialBookmark
esriSystem.IPersist
esriSystem.IPersistStream
SpatialBookmark
SpatialBookmark : IUnknown
BookmarkType: String
Name: String
ZoomTo (in IMap: IMap)
IAOIBookmark
AOIBookmark
AOIBookmark : IGpclsBookmark
Location: IEnvelope
IFeatureBookmark
FeatureBookmark
IFeatureBookmark : IDgnIdBookmark
FeatureClass: IFeatureClass
FeatureId: Long
Draw (in Display: IDisplay)
Flash (in Display: IDisplay)
PanTo (in Display: IDisplay)
IBarrierCollection
BarrierCollection
BarrierCollection : IUnknown
Count: Long
Add (in Barrier: IGeometryCollection, in Weight: dWeight, out BarrierWeight)
Clear
QueryItem (in Index: Long, out barrier: IGeometryCollection, out dWeight, out BarrierOverposterWeight)
Map Frame in Carto Map Elements
Map Surround in Carto Map Elements
0..*
Layer in Carto Layers
*
OverposterProperties in Carto Annotation /Labeling
CompositeGraphicsLayer in Carto Layers
IRelationshipClassCollection
ISelectionEvents
ITableCollection
esriDisplay.ITransformEvents
IViewManager
IViewRefresh
IMapLayers2
IMapClipOptions
IMapAutoExtentOptions
IMapThrowDisplay
IMapEvents2
IMapEvents3
IMaps
IMaps2
IPushPin
IRotationOperation
ITOCClass
ITOCGroup
ISelection
esriGeodatabase.IEnumFeature
esriGeodatabase.IEnumFeatureSetup
MapSelection
ISelection : IUnknown
CanClear: Boolean
CanDrop: Boolean
CanDuplicate: Boolean
CanPaste: Boolean
CanSelectAll: Boolean
Clear
Copy
Cut
Draw (in Display: IDisplay, in CancelTracker: ITrackCancel)
Paste
SelectAll
IChangeDatabaseVersion
ChangeDatabaseVersion
ChangeDatabaseVersion : IUnknown
Execute (in pFrom: IVersion, in pTo: IVersion, in pMap: IBasicMap): ISet
IExportInfoGenerator
ExportInfoGenerator
IExportInfoGenerator : IUnknown
BeginGroup (in pDisplay: IDisplay, in Comment: String)
BeginLayer (in pDisplay: IDisplay, in pLayer: ILayer)
BeginLayerWithNameAndPhase (in pDisplay: IDisplay, in phase: esriViewDrawPhase, in newDrawPhase: esriViewDrawPhase)
BeginMap (in pDisplay: IDisplay, in hDC: OLE_HANDLE, in pMap: IMap)
BeginPageLayout (in hDC: OLE_HANDLE, in pPageLayout: IPageLayout)
BeginText (in pDisplay: IDisplay, in Type: Long, in Kerning: Long, in Tracking: Double, in WidthScale: Double, in WordSpace: Double, in LineLeading: Double, in Text: String)
EndGroup (in pDisplay: IDisplay)
EndLayer (in pDisplay: IDisplay)
EndMap (in pDisplay: IDisplay)
EndPageLayout (in hDC: OLE_HANDLE)
EndText (in pDisplay: IDisplay)
SetCmykColor (in pDisplay: IDisplay, in cmykColor: OLE_COLOR, SpotColor: Boolean, ColorType: Long)
IFeatureExportInfoGenerator
FeatureExportInfoGenerator
FeatureExportInfoGenerator : IUnknown
HotInkContainer: IHotInkContainer
HotInkFields: IHotInkFieldContainer
LayerFields: ILayerFields
AddFeatureAttribute (in pDisplay: IDisplay, in FieldType: esriFieldType, in FontName: String, in fieldValue: String)
BeginFeature (in Feature: IFeature, in pDisplay: IDisplay)
BeginFeatureAttributes (in pDisplay: IDisplay)
EndFeature (in pDisplay: IDisplay)
EndFeatureAttributes (in pDisplay: IDisplay)
GenerateFeatureInfo (in Feature: IFeature, in pDisplay: IDisplay)
GenerateHyperlinkInfo (in Feature: IFeature, in pDisplay: IDisplay)
PrepareExportFilter (in fc: IFeatureClass, Filter: IQueryFilter)
IDataSourceHelperMapDocument
IDataSourceHelperMap
IDataSourceHelperLayer
IDataSourceHelperStandaloneTable
DataSourceHelper
DataSourceHelperMapDocument : IUnknown
FindAndReplaceWorkspacePathProperty (in pMapDocument: IMapDocument, in oldWorkspaceName: String, in newWorkspaceName: String, in Validate: Boolean)
Repair (in pMapDocument: IMapDocument, in pDataLayer: IDataLayer, in pName: IName, in Validate: Boolean)
ReplaceWorkspaceName (in pMapDocument: IMapDocument, in oldWorkspaceName: WorkspaceName, in newWorkspaceName: WorkspaceName, in Validate: Boolean)
DataSourceHelperMap : IUnknown
FindAndReplaceWorkspacePathProperty (in pBasicMap: IBasicMap, in oldWorkspaceName: String, in newWorkspaceName: String, in Validate: Boolean)
Repair (in pBasicMap: IBasicMap, in pDataLayer: IDataLayer, in pName: IName, in Validate: Boolean)
ReplaceWorkspaceName (in pBasicMap: IBasicMap, in pOldWorkspaceName: IDWorkspaceName, in pNewWorkspaceName: WorkspaceName, in Validate: Boolean)
DataSourceHelperLayer : IUnknown
FindAndReplaceWorkspacePathProperty (in pLayer: ILayer, in oldWorkspaceName: String, in newWorkspaceName: String, in Validate: Boolean)
ReplaceName (in pLayer: ILayer, in pName: IName, in Validate: Boolean)
DataSourceHelperStandaloneTable : IUnknown
FindAndReplaceWorkspacePathProperty (in pStandaloneTable: IStandaloneTable, in oldWorkspaceName: String, in newWorkspaceName: String, in Validate: Boolean)
ReplaceName (in pStandaloneTable: IStandaloneTable, in pName: IName, in Validate: Boolean)
IMSDHelper
IMSDHelper2
MSDHelper
IMSDHelper : IMSDHelper
Close
GetDataset (in layerPath: String): String
GetLayerDisplayName (in layerPath: String): String
GetLayers (in mapPath: String): IStringArray
GetLayerType (in layerPath: String): String
GetMapDisplayName (in mapPath: String): String
GetMaps: IStringArray
GetSubLayers (in layerPath: String): IStringArray
GetWorkspaceConnectionStringFromLayer (in layerPath: String): String
GetWorkspaceFactoryType (in layerPath: String): String
IsActiveMap (in mapPath: String): Boolean
IsLayerValid (in layerPath: String): Boolean
IsTableValid (in tablePath: String): Boolean
PutWorkspaceConnectionStringInLayer (in layerPath: String, in newWorkspaceConnectionString: String, in Validate: Boolean)
ReplaceIt (in mapPath: String, in oldWorkspaceConnectionString: String, in newWorkspaceConnectionString: String, in Validate: Boolean)
Save (in relativePath: Boolean)
SaveAs (in Path: String, in relativePath: Boolean)
IMSDHelper2
IMSDHelper2 : IMSDHelper
GetDatasetFromTable (in mapPath: String, in tableIndex: Long): String
GetTableDisplayName (in mapPath: String, in tableIndex: Long): String
GetTables (in mapPath: String): Long
GetWorkspaceConnectionStringFromTable (in mapPath: String, in tableIndex: Long): String
GetWorkspaceFactoryTypeFromTable (in mapPath: String, in tableIndex: String): String
IsDataLayer (in layerPath: String): Boolean
IsTableValid (in mapPath: String, in tableIndex: Long): Boolean
PutWorkspaceConnectionStringInTable (in mapPath: String, in tableIndex: Long, in newWorkspaceConnection: String, in Validate: Boolean)
RelativePaths: Boolean
IPrintAndExport
PrintAndExport
IPrintAndExport : IUnknown
PageCount (in ActiveView: IActiveView): Long
Preview (in ActiveView: IActiveView, in hDC: OLE_HANDLE, in PrinterNames: IUnknown): BSTR
Export (in hActiveView: IActiveView, in pExport: IExport, in Resolution: Double, in clipOnScreenExtent: Boolean, in pTrackCancel: ITrackCancel)
ExportPDF (in hActiveView: IActiveView, in pPDFExport: IExportPDF, in options: IPrintAndExportPageOptions, in Resolution: Double, in pTrackCancel: ITrackCancel)
PrintPage (in hActiveView: IActiveView, in pPrinter: IPrinter, in pPage: IPage, in PageID: Long, in hInitialDc: Long, in options: IPrintAndExportPageOptions, in pTrackCancel: ITrackCancel)
IDocumentInfo2
IDocumentInfo
DocumentInfo
DocumentInfo2 : IUnknown
Author: String
Category: String
Comments: String
Created: Variant
DateExported: Variant
DatePrinted: Variant
DateSaved: Variant
DocumentTitle: String
Keywords: String
PaperBinName: String
Keywords: String
Name: String
Path: String
PrintToFile: Boolean
SavePreview: Boolean
Subject: String
IDocumentInfo3
DocumentInfo3 : IDocumentInfo2
AccessConstraints: String
Thumbnail: IPicture
IPage
esriDisplay.IConnectionPointContainer
esriSystem.IClone
Page
IPage : IUnknown
Background: IBackground
BackgroundColor: IColor
Clone: IClone
DelayEvents: Boolean
FormID: esriPageFormID
hPrintableAreaVisible: Boolean
Orientation: Integer
PageToPrinterMapping: esriPageToPrinterMapping
PrintableBounds: IEnvelope
StretchGraphicsWithPage: Boolean
Units: esriUnits
DrawBackground (in pDisplay: IDisplay)
DrawBorder (in pDisplay: IDisplay)
DrawPage (in pDisplay: IDisplay, in eraseColor: IColor)
DrawPrintableArea (in pDisplay: IDisplay)
GetDeviceBounds (in Printer: IPrinter, in currentPage: Integer, in Overlap: Double, in pageCount: Integer, in bAreaOfBounds): IEnvelope
GetPageBounds (in Printer: IPrinter, in currentPage: Integer, in Overlap: Double, in pageBounds: IEnvelope)
PrinterChanged (in Printer: IPrinter)
PrinterPageCount (in Printer: IPrinter, in Overlap: Double, out PageCount: Integer)
PutCustomSize (in Width: Double, in Height: Double)
QueryBox (out Width: Double, out Height: Double)
IFrameProperties
IFrameProperties : IUnknown
Background: IBackground
Border: IBorder
Shadow: IShadow
IPageEvents
IPageEvents : IUnknown
PageColorChanged
PageMarginsChanged
PageSizeChanged
PrintLimitsChanged
IMxdContents
IMapBarriers
IMapBarriers2
IMapSurround
IMapSurround : IUnknown
Name: String
Type: esriMapSurroundType
Clone
Draw (in pDisplay: IDisplay, in pEnvelope: IEnvelope)
IMapSurroundFrame
IMapSurroundFrame : IUnknown
Background: IBackground
Border: IBorder
Shadow: IShadow
MapSurround: IMapSurround
IMapSurroundBackground
IMapSurroundBackground : IUnknown
Fill: IFill
Symbol: ISymbol
IMapSurroundBorder
IMapSurroundBorder : IUnknown
Symbol: ILineSymbol
IMapSurroundShadow
IMapSurroundShadow : IUnknown
Symbol: IFillSymbol
IMapSurroundLegend
IMapSurroundLegend : IUnknown
Format: ILegendFormat
Item: ILegendItem
ItemCount: Long
Map: IMap
Orientation: esriLegendOrientation
Title: String
AddItem (in pLegendItem: ILegendItem)
ClearItem (in Index: Long)
FindItem (in pLegendItem: ILegendItem): Long
InsertItem (in Index: Long, in pLegendItem: ILegendItem)
IMapSurroundScaleText
IMapSurroundScaleText : IUnknown
Format: IScaleTextFormat
Map: IMap
Template: String
UnitLabel: String
UnitLabelPosition: esriScaleUnitLabelPosition
UnitLabelSeparator: String
UnitsPerLabelUnit: Double
IMapSurroundNorthArrow
IMapSurroundNorthArrow : IUnknown
Angle: Double
Character: Integer
Color: IColor
Font: IFontDisp
Size: Double
IMapSurroundScaleBar
IMapSurroundScaleBar : IUnknown
Background: IFill
Divisions: Integer
DivisionsBeforeZero: Integer
Map: IMap
MarkFrequency: esriScaleBarMarkFrequency
ResizeHint: esriScaleBarResizeHint
Subdivisions: Integer
UnitLabel: String
UnitLabelPosition: esriScaleBarLabelPosition
Units: esriUnits
UnitsPerLabelUnit: Double
IMapSurroundScaleLine
IMapSurroundScaleLine : IUnknown
Background: IFill
Divisions: Integer
DivisionsBeforeZero: Integer
Map: IMap
MarkFrequency: esriScaleBarMarkFrequency
ResizeHint: esriScaleBarResizeHint
Subdivisions: Integer
UnitLabel: String
UnitLabelPosition: esriScaleBarLabelPosition
Units: esriUnits
UnitsPerLabelUnit: Double
IMapSurroundLegendFormat
IMapSurroundLegendFormat : IUnknown
BackgroundFill: IFill
BackgroundSize: Double
BorderSymbol: ILineSymbol
ColumnCount: Integer
ColumnSpacing: Double
ForwardIncreasingLayerOrder: Boolean
ItemSpacing: Double
ItemStyle: esriLegendItemStyle
LayerSpacing: Double
PatchHeight: Double
PatchWidth: Double
ReverseOrder: Boolean
TextSymbol: ITextSymbol
TitleGap: Double
TitleSymbol: ITextSymbol
IMapSurroundLegendItemFormat
IMapSurroundLegendItemFormat : IUnknown
HorizontalPatchAlignment: esriLegendPatchHorizontalAlignment
HorizontalTextAlignment: esriLegendTextHorizontalAlignment
VerticalPatchAlignment: esriLegendPatchVerticalAlignment
VerticalTextAlignment: esriLegendTextVerticalAlignment
IMapSurroundNumberFormat
IMapSurroundNumberFormat : IUnknown
Format: INumberFormat
UseCustomFormat: Boolean
IMapSurroundScaleTextFormat
IMapSurroundScaleTextFormat : IUnknown
Format: INumberFormat
UseCustomFormat: Boolean
IMapSurroundScaleBarFormat
IMapSurroundScaleBarFormat : IUnknown
Format: INumberFormat
UseCustomFormat: Boolean
IMapSurroundNorthArrowFormat
IMapSurroundNorthArrowFormat : IUnknown
Format: INumberFormat
UseCustomFormat: Boolean
IMapSurroundScaleLineFormat
IMapSurroundScaleLineFormat : IUnknown
Format: INumberFormat
UseCustomFormat: Boolean
IMapSurroundLegendFormat
IMapSurroundLegendFormat : IUnknown
Format: INumberFormat
UseCustomFormat: Boolean
IMapSurroundLegendItemFormat
IMapSurroundLegendItemFormat : IUnknown
Format: INumberFormat
UseCustomFormat: Boolean
IMapSurroundFactory
IMapSurroundFactory : IUnknown
CreateMapSurround (in pStyleItem: IStyleGalleryItem, in pMap: IMap): IMapSurround
IMapSurroundManager
IMapSurroundManager : IUnknown
AddFrame (in pMapSurround: IMapSurround, in pMapFrame: IMapFrame)
AddSurround (in pMapSurround: IMapSurround, in pMapFrame: IMapFrame)
DeleteSurround (in pMapSurround: IMapSurround)
FindFrame (in pMapSurround: IMapSurround): IMapFrame
FindSurround (in pMapFrame: IMapFrame, in bstrName: String): IMapSurround
GetFrameSurrounds (in pMapFrame: IMapFrame, in pEnumMapSurround: IEnumMapSurround)
GetSurrounds (in pEnumMapSurround: IEnumMapSurround)
MoveSurround (in pMapSurround: IMapSurround, in pMapFrame: IMapFrame)
RemoveFrame (in pMapFrame: IMapFrame)
RemoveSurround (in pMapSurround: IMapSurround)
ResizeFrame (in pMapFrame: IMapFrame, in pEnvelope: IEnvelope)
ResizeSurround (in pMapSurround: IMapSurround, in pEnvelope: IEnvelope)
IMapSurroundBuilderProperties
IMapSurroundBuilderProperties : IUnknown
ShowBorder: Boolean
ShowBackground: Boolean
ShowShadow: Boolean
IMapSurroundEdit
IMapSurroundEdit : IUnknown
Delete
Move (in dx: Double, in dy: Double)
Resize (in dx: Double, in dy: Double, in pAnchorPoint: IPoint)
IMapSurroundResize
IMapSurroundResize : IUnknown
ResizeConstraint: esriResizeConstraint
ResizeType: esriResizeType
IMapSurroundAnchor
IMapSurroundAnchor : IUnknown
AnchorPoint: esriAnchorPoint
Offset: IPoint
IMapSurroundFrame
IMapSurroundFrame : IUnknown
Map: IMap
MapSurround: IMapSurround
IMapSurroundBackground
IMapSurroundBackground : IUnknown
Fill: IFill
Symbol: ISymbol
IMapSurroundBorder
IMapSurroundBorder : IUnknown
Symbol: ILineSymbol
IMapSurroundShadow
IMapSurroundShadow : IUnknown
Symbol: IFillSymbol
IMapSurroundLegend
IMapSurroundLegend : IUnknown
Format: ILegendFormat
Item: ILegendItem
ItemCount: Long
Map: IMap
Orientation: esriLegendOrientation
Title: String
AddItem (in pLegendItem: ILegendItem)
ClearItem (in Index: Long)
FindItem (in pLegendItem: ILegendItem): Long
InsertItem (in Index: Long, in pLegendItem: ILegendItem)
IMapSurroundScaleText
IMapSurroundScaleText : IUnknown
Format: IScaleTextFormat
Map: IMap
Template: String
UnitLabel: String
UnitLabelPosition: esriScaleUnitLabelPosition
UnitLabelSeparator: String
UnitsPerLabelUnit: Double
IMapSurroundScaleBar
IMapSurroundScaleBar

Carto Object Model
Map Elements

Esri® ArcGIS® 10.5

Copyright © 1999-2017 Esri. All rights reserved. Esri, ArcGIS, ArcObjects, and ArcMap are trademarks, registered trademarks, or service marks of Esri in the United States, the European Community, or certain other jurisdictions.

Class Diagram Key

InterfaceA
(OptionalInterfaceB)
AbstractClass
Interface of interest
Type inheritance
Instantiation
CoClass
Interface of interest
Composition
Class
Interface of interest
Association
1..*
Multiplicity

Special Interfaces

(Optional) represents interfaces that are inherited by some subclasses but not all. They implement the optional interfaces they implement.

(Instance) represents interfaces that are only on specific instances of the class.

(<classname>) indicates the name of the helper class required to support this event interface in Visual Basic.

Inbound Interface
Outbound Interface

Interface key
Property Get
Property Let
Property GetPut
Property Put by Reference
Method

enumeration
firstValue - firstEnumeration
secondValue - secondEnumeration

Structure key <<Struct>>
firstMember: Type
secondMember: Type

Types of Classes

An **abstract class** cannot be used to create new objects but is a specification for instances of subclasses (through type inheritance.)

A **CoClass** can directly create objects by declaring a new object.

A **Class** cannot directly create objects, but objects of this class can be created as a property of another class or instantiated by objects from another class.

Types of Relationships

Associations represent relationships between classes. They have defined multiplicities at both ends.

Type inheritance defines specialized classes of objects which share properties and methods with the superclass and have additional properties and methods. Note that interfaces in superclasses are not duplicated in subclasses.

Instantiation specifies that one object from one class has a method with which it creates an object from another class.

Composition is a relationship in which objects from the 'whole' class control the lifetime of objects from the 'part' class.

An **N-ary association** specifies that more than two classes are associated. A diamond is placed at the intersection of the association branches.

A **Multiplicity** is a constraint on the number of objects that can be associated with another object. Association and composition relationships have multiplicities on both sides. This is the notation for multiplicities:

1 - One and only one (if none shown, '1' is implied)

0..1 - Zero or one

M..N - From M to N (positive integers)

*** or 0..*** - From zero to any positive integer

1..* - From one to any positive integer

Enumerations

esriAnchorPointEnum
0 - esriTopLeftCorner
1 - esriTopMidPoint
2 - esriTopRightCorner
3 - esriLeftMidPoint
4 - esriCenterPoint
5 - esriRightMidPoint
6 - esriBottomLeftCorner
7 - esriBottomMidPoint
8 - esriBottomRightCorner

esriBackgroundTabType
0 - esriBackgroundTabRound
1 - esriBackgroundTabRectangle
2 - esriBackgroundTabRoundedRectangle

esriDMSGridLabelType
0 - esriDMSGridLabelStandard
1 - esriDMSGridLabelDashed
2 - esriDMSGridLabelDD
3 - esriDMSGridLabelEnd
4 - esriDMSGridLabelDES

esriGridAxesEnum
0 - esriGridAxisNone
1 - esriGridAxisTop
2 - esriGridAxisBottom
3 - esriGridAxisLeft
4 - esriGridAxisRight

esriGridCornerEnum
0 - esriGridCornerLowerLeft
1 - esriGridCornerLowerRight
2 - esriGridCornerUpperLeft
3 - esriGridCornerUpperRight

esriGridSquareLabelStyleEnum
0 - esriGridSquareLabelCorners
1 - esriGridSquareLabelCenter

esriHorPosEnum
0 - esriCenter
1 - esriLeft
2 - esriRight
3 - esriFar

esriPlacementPosition
0 - esriAboveStart
1 - esriAboveEnd
2 - esriBelowStart
3 - esriBelowEnd

esriScaleBarFrequency
0 - esriScaleBarDivOne
1 - esriScaleBarDivTwo
2 - esriScaleBarMajorDivisions
3 - esriScaleBarDivisions
4 - esriScaleBarDivisionsAndFirstSubpoint
5 - esriScaleBarDivisionsAndFirstSubdivisions
6 - esriScaleBarDivisionsAndSubdivisions

esriScaleBarResizeHint
0 - esriScaleBarFixed
1 - esriScaleBarAutoDivision
2 - esriScaleBarAutoDivisions
3 - esriScaleBarAutoDivisionAndDivisions

esriScaleTextStyleEnum
0 - esriScaleTextAboveBar
1 - esriScaleTextBelowBar
2 - esriScaleTextCustom

esriSymbolOverrideEnum
1 - esriSymbolOverrideXOffset
2 - esriSymbolOverrideYOffset
4 - esriSymbolOverrideAngle
8 - esriSymbolOverrideHorizAlignment
16 - esriSymbolOverrideVertAlignment
64 - esriSymbolOverrideSize
128 - esriSymbolOverrideColor
512 - esriSymbolOverrideCharSpacing
1024 - esriSymbolOverrideCharWidth
2048 - esriSymbolOverrideLineSpacing
4096 - esriSymbolOverrideLeading
8192 - esriSymbolOverrideBold
16384 - esriSymbolOverrideItalic
32768 - esriSymbolOverrideUnderline
65535 - esriSymbolOverrideBackground
131072 - esriSymbolOverrideFontName

esriSymbolRotationType
0 - esriRotateSymbolGeographic
1 - esriRotateSymbolArithmetic

ESRITPCPenType
0 - ESRTPC_Pen
1 - ESRTPC_HighlighterESRITPCStyleType
0 - ESRTPC_Bell
1 - ESRTPC_Chisel

esriVertPostEnum
0 - esriAbove
1 - esriTop
2 - esriOn
3 - esriBottom
4 - esriBelow

ESRITSMJustification
0 - esriTSMJustifyLeft
1 - esriTSMJustifyCenter
2 - esriTSMJustifyRight

esriTSMOrientationName
0 - esriTSMPlaneXY
1 - esriTSMPlaneYZ
2 - esriTSMPlaneXZ

esriTSMRotationAxis
0 - esriTSMRotateAxisX
1 - esriTSMRotateAxisY
2 - esriTSMRotateAxisZ

esriVertArrowType
0 - esriSimpleNorth
1 - esriTrueNorth

esriScaleBarPos
0 - esriScaleBarAbove
1 - esriScaleBarBelowLabels
2 - esriScaleBarAboveLabels
3 - esriScaleBarBelowBar
4 - esriScaleBarAboveBar
5 - esriScaleBarBelow
6 - esriScaleBarAboveLeft
7 - esriScaleBarBelowRight
8 - esriScaleBarAboveEnds
9 - esriScaleBarBelowAndAfterLabels
10 - esriScaleBarAboveAndAfterBar
11 - esriScaleBarBelowLeft
12 - esriScaleBarBelowRight
13 - esriScaleBarBelowEnds

Interfaces

IMapSurroundFactory : IUnknown
- Name: String
- Create (in Map): IMapSurround

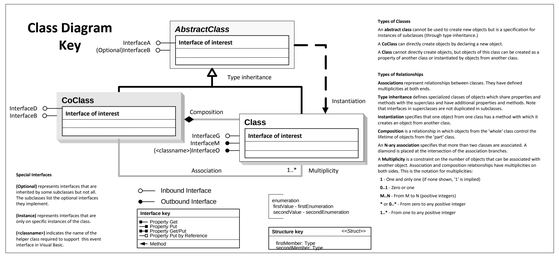
ICompositeMapSurround : IUnknown
- Elements (in Display): IElement
- Elements (in Display, in Bounds (Envelope)): IEnumElement

IElementEditVertices Operation : IElementOperation
- Geometry: IGeometry

IElementOperation : IEditOperation
- Elements: IEnumElement
- Name: String

IOleFrame : IUnknown
- OleClientItem: Any
- CreateOleClientItem (oleDocument: Any)
- Edit
- EditProperties: Boolean
- Hide
- Open

IPictureNorthArrow : IUnknown
- Picture: IPicture

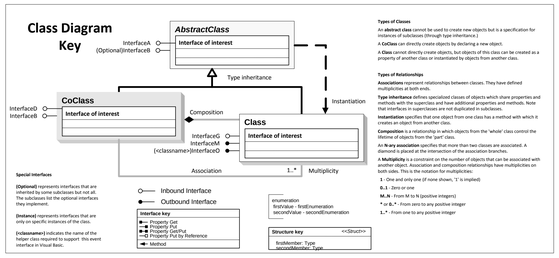


Carto Object Model Layers

Esri® ArcGIS® 10.5

Copyright © 1999-2017 Esri. All rights reserved. Esri, ArcGIS, ArcObjects, and ArcMap are trademarks, registered trademarks, or service marks of Esri in the United States, the European Community, or certain other jurisdictions.

Class Diagram Key



Interfaces

IArcObjectsLayerFactory : IUnknown
CreateAnnotationLayer(in pArcMapUserInterface:IApplication, in pFeatureDataset:IFeatureDataset, in annotationLayerName: String): ILayer
FindAnnotationLayerNames(in pArcMapUserInterface:IApplication, in pFeatureDataset:IEnumBSTR
OpenAnnotationLayer(in pArcMapUserInterface:IApplication, in pFeatureDataset:IFeatureDataset, in annotationLayerName: String): ILayer

ILayerExtensionDraw : IUnknown
AfterLayerDraw (in pLayer: ILayer, in DrawPhase: esriDrawPhase, in pDisplay: IDisplay, in pTrackCancel: ITrackCancel)
BeforeLayerDraw (in pLayer: ILayer, in DrawPhase: esriDrawPhase, in pDisplay: IDisplay, in pTrackCancel: ITrackCancel)

ILayerExtensionInvisible : IUnknown
InvisibleInVisibleExtent: Boolean

ILayerPropertySheet : IUnknown
ShowPropertySheet: Boolean

ILayerSelectionDefinition : IUnknown
CreateSelectionLayer (in LayerName: String, in useCurrentSelection: Boolean, in pattrTableNames: String, in fullExpression: String): IFeatureLayer

IDataLayerExtension : IUnknown
BeforeRelease: String
Connect (in pDoProperSetName: IName): Boolean

IDynamicLayer : IUnknown
DynamicLayerDirty (in DynamicDrawPhase: esriDynamicDrawPhase): Boolean
DynamicMonitorMaxTime: Long
DrawDynamicLayer (in DynamicDrawPhase: esriDynamicDrawPhase, in pDisplay: IDisplay, in DynamicDisplay: IDynamicDisplay)

Enumerations

esriHyperlinkType
0 - esriHyperlinkTypeDocument
1 - esriHyperlinkTypeURL
2 - esriHyperlinkTypeMacro
3 - esriHyperlinkTypeScript

esriLayerSelectionMethod
0 - esriLayerSelectWithinDistance
1 - esriLayerSelectWithWindowDistance
2 - esriLayerSelectCompletelyContains
3 - esriLayerSelectCompletelyWithin
4 - esriLayerSelectCrossedThenContains
5 - esriLayerSelectCrossedThenWithin
6 - esriLayerSelectCrossedThruOneInOf
7 - esriLayerSelectCrossesTheOutlineOf
8 - esriLayerSelectContains
9 - esriLayerSelectContainedBy
10 - esriLayerSelectContainedBy

esriSymbolSubstituteType
0 - esriSymbolSubstituteInstance
1 - esriSymbolSubstituteColor
2 - esriSymbolSubstituteIndividualSubsetInstance
3 - esriSymbolSubstituteIndividualDominant

esriCadastralFabricRenderer
0 - esriCFRControlPoints
1 - esriCFRLinePoints
2 - esriCFRFrames
3 - esriCFRLines
4 - esriCFRParcels

esriRasterLayerError
-214721713 - E_RASTERLAYER_UNKNOWN_ERROR

esriRasterPyramidOptEnum
0 - esriRasterPyramidAlwaysPrompt
1 - esriRasterPyramidAlwaysBuild
2 - esriRasterPyramidNeverBuild

wms8.xsr
-214722656 - WMS_E_SRS_NOTUNSUPPORTED
-214722657 - WMS_E_IMAGEFORMAT_NOTUNSUPPORTED
-214722688 - WMS_E_INVALIDURL
-214722688 - WMS_E_SERVICE_EXCEPTION

esriCadastralParcelLayerType
0 - esriCadastralParcelsUnknown
1 - esriCadastralParcelsPLSSTownship
2 - esriCadastralParcelsPLSSSection
3 - esriCadastralParcelsPLSSQuarterSection
4 - esriCadastralParcelSpecialSurvey
5 - esriCadastralParcelsSimultaneousCorveyance
6 - esriCadastralParcelsMetesAndBounds
7 - esriCadastralParcelTax
8 - esriCadastralParcelOwnership
9 - esriCadastralParcelRoadCenterline
10 - esriCadastralParcelSeparatedRight
11 - esriCadastralParcelsOther
12 - esriCadastralParcelsLSSSixteenthSection

esriConversionStatus
0 - esriLayerConversionNoWarnings
1 - esriLayerConversionStatusWarnings
2 - esriLayerConversionStatusErrors

esriLayerEventHint
0 - esriLayerEventHintProperties
1 - esriLayerEventHintVisibility
2 - esriLayerEventHintLayerAddedToGroup
3 - esriLayerEventHintLayerRemovedFromGroup
4 - esriLayerEventHintLayerMovedWithinGroup

esriCadastralControlPointType
0 - esriCadastralControlPointsUnknown
1 - esriCadastralControlPointsLocked
2 - esriCadastralControlPointsUnlocked

Layer

ILayer : IUnknown
AreaOfInterest: IEnvelope
Cached: Boolean
MaximumScale: Double
MinimumScale: Double
Name: String
ShowTips: Boolean
SpatialReference: ISpatialReference
SupportedDrawPhases: Long
TipText (in x: Double, in y: Double, in Tolerance: Double): String
Valid: Boolean
Visible: Boolean
Draw (in DrawPhase: esriDrawPhase, in pDisplay: IDisplay, in pTrackCancel: ITrackCancel)

ILayerGeneralProperties : IUnknown
LastMaximumScale: Double
LastMinimumScale: Double
LayerDescription: String

IPublishLayer : IUnknown
DataDestN (in bstrPathString: String): String
DataValid: Boolean
PublishingDescription: String
SupportsPublishing: Boolean
PrepareForPublishing

Map in Carto Map

LayerFile
LayerFile : IUnknown
Filename: String
isLayerFile (in vFile: String): Boolean
isPkFile (in pFile: String): Boolean
isPkFile (in vFile: String): Boolean
Layer: ILayer
Thumbnail: IPicture
Close
New (in vFile: String)
Open (in vFile: String)
ReplaceContents (in pLayer: ILayer)
Save
SaveAs (in vFile: String)

LayerFactoryHelper
LayerFactoryHelper : IUnknown
CreateLayerFromName (in Name: IName): IEnumLayer

DataLayer

DataLayer2 : IUnknown
DataSourceName: IName
DatasetDuplicated (in Name: IName): Boolean
RelativeBase: String
Connect (in pDoPropsName: IName): Boolean
Disconnect
IsDirty: Boolean
PXMLWorkspace (in Workspace: IWorkspace): Boolean

ILayerInfo : IUnknown
LargeImage: OLE_HANDLE
LargeSelectedImage: OLE_HANDLE
SmallImage: OLE_HANDLE
SmallSelectedImage: OLE_HANDLE

ILayerPosition : IUnknown
LayerWeight: Double

INITGraphicsLayer
ILayerDrawingProperties
ILayerInfo
ILayerPosition
esriDisplay.IConnectionPointContainer

NITGraphicsLayer : IUnknown
Add (in pGeometry: IGeometry, in pSymbol: ISymbol, in Size: Long)
Create (in Name: String, in x: Long, in y: Long, in Size: Long): IGraphicsLayer
PXMLWorkspace (in Workspace: IWorkspace): Boolean

IMapServerRESTLayer
ILayerEvents (ILayerEventsHelper)
ILayerSymbologyExtents
IComposite Layer2
IDisplayAdmin2
IDisplayAdmin
IIdentify2
IIdentify
ILayerDrawingProperties
ILayerInfo
ILayerPosition
IComposite Layer2
ITimeData
ITimeData2
esriDataSourcesRaster.IRasterResamplingControl
ILayerEffects
ITimeData
IDataLayer2
IComposite Layer2
ILayerDrawingProperties
IRasterResamplingControl
IServiceLayerImageFormat
IDataLayer2
IDataLayer2
ILayerExtensions
ISecureLayer2
ITimeData2
ITimeDataDisplay
IConnectionPointContainer

MapServerRESTLayer : IUnknown
MapServerRESTSubLayer : IUnknown
Cached: Boolean
CachedDrawingInfo: Boolean
DisplayAdmin2: IDisplayAdmin2
LayerDrawingProperties: ILayerDrawingProperties
LayerEffects: ILayerEffects
LayerExtensions: ILayerExtensions
LayerInfo: ILayerInfo
LayerPosition: ILayerPosition
MapServerRESTSubLayer: IMapServerRESTSubLayer
SupportedDrawPhases: Long
TipText (in x: Double, in y: Double, in Tolerance: Double): String
Valid: Boolean
Visible: Boolean
Draw (in DrawPhase: esriDrawPhase, in pDisplay: IDisplay, in pTrackCancel: ITrackCancel)

IRasterResamplingControl : IUnknown
ResamplingHint: esriRasterResamplingHint

IServiceLayerImageFormat : IUnknown
RequestedImageType: esriImageFormat
RequestedImageTypeCompression (in Index: Long): esriImageFormat
SupportedImageFormatCount: Long

ITimeData : ITimeData
HasLiveData: Boolean

MapServerRESTSubLayer : IUnknown
AreaOfInterest: IEnvelope
Cached: Boolean
MaximumScale: Double
MinimumScale: Double
Name: String
SpatialReference: ISpatialReference
SupportedDrawPhases: Long
TipText (in x: Double, in y: Double, in Tolerance: Double): String
Valid: Boolean
Visible: Boolean
Draw (in DrawPhase: esriDrawPhase, in pDisplay: IDisplay, in pTrackCancel: ITrackCancel)

ITimeData : ITimeData
SupportsTime: Boolean
TimeReference: ITimeReference
TimeTest: Boolean
GetFullTimeExtent: ITimeExtent

CompositeDataLayer

ICompositeLayer : IUnknown
Count: Long
Layer (in Index: Long): ILayer

IIdentify2 : IUnknown
Scale: Double
Identify (in pGeom: IGeometry, in pTrackCancel: ITrackCancel): IArray

ILayerDrawingProperties : IUnknown
DrawPhaseDirty: Boolean

ILayerInfo : IUnknown
LargeImage: OLE_HANDLE
LargeSelectedImage: OLE_HANDLE
SmallImage: OLE_HANDLE
SmallSelectedImage: OLE_HANDLE

ILayerPosition : IUnknown
LayerWeight: Double

ICompositeLayer
esriDisplay.IDisplayAdmin2
esriDisplay.IDisplayAdmin
IIdentify2
IIdentify
ILayerDrawingProperties
ILayerInfo
ILayerPosition

CadastralFabricLayer : IUnknown
CadastralFabric: ICadastralFabric
CadastralFabricLayerEvents: ICadastralFabricLayerEvents
CreateFeatureRenderer(): IFeatureRenderer
SupportedDrawPhases: Long
TipText (in x: Double, in y: Double, in Tolerance: Double): String
Valid: Boolean
Visible: Boolean
Draw (in DrawPhase: esriDrawPhase, in pDisplay: IDisplay, in pTrackCancel: ITrackCancel)

ICadastralFabricLayer
ICadastralFabricLayerEvents
(CadastralFabricLayerEvents)
esriDisplay.IConnectionPointContainer

ICadastralFabricSelection
ILayerEffects
ILayerExtensions
ICompositeLayer
ICompositeLayer2
IDataLayer2
IDataLayer2
IIdentify

ICadastralFabricSelection : IUnknown
ControlPointSet: IFeatureDataset
ControlPointSymbol: ISimpleMarkerSymbol
ParcelSet (in ParcelType: esriCadastralParcelType): IFeatureDataset
SelectedControlPoints (in ParcelType: esriCadastralParcelType): IFeatureCursor
ClearControlPointsInAOI (in ParcelType: esriCadastralParcelType)
ClearParcelsInAOI (in ParcelType: esriCadastralParcelType)
ClearSelection (in CadastralFeature: esriCadastralFeature)
SelectCadastralFeatures (in queryFilter: IQueryFilter, in CadastralFeature: esriCadastralFeature, in XORToExistingSelection: Boolean)

ICadastralFabricParcelLayer : IUnknown
ParcelCount: Long
ParcelSubLayer (in Layer: Long): IFeatureLayer

ICadastralFabricParcelLayer

CadastralFabricLayerFactory
LayerFactory : IUnknown
CanCreate (in InputObject: IUnknown): Boolean
LayerCategory: String
PublicName: String
Create (in InputObject: IUnknown): IEnumLayer
LoadLayers: IEnumLayer

ILayerFactory

CompositeGraphicsLayer

ICompositeGraphicsLayer : IGraphicsLayer
Add(Layer (in LayerName: String, in FeatureLayer: IFeatureLayer), in DataExtent: IEnvelope): Boolean
DeleteLayer (in LayerName: String): Boolean
MoveLayer (in LayerName: String): IGraphicsLayer

ICompositeGraphicsLayer2 : ICompositeGraphicsLayer
DrawDefault (in DrawPhase: esriDrawPhase, in pDisplay: IDisplay, in pTrackCancel: ITrackCancel)

ICompositeLayer : IUnknown
Count: Long
Layer (in Index: Long): ILayer

IGraphicsLayer : IUnknown
BackgroundLayer: ILayer
UseAssociatedLayerVisibility: Boolean

Activate (in containerScreen: IScreenDisplay)
Deactivate

IGraphicsContainer : IUnknown
AddElement (in Element: IElement, in zOrder: Variant)
AddElements (in IElements: IElementCollection, in zorder: Long)
BringToFront (in Element: IElement)
BringToFront (in Elements: IElementEnum)
DeleteAllElements
DeleteElement (in Element: IElement)
FindName (in NameObject: IName): IElement
GetElements (in GetElementsOrder: esriElementsOrder): IElementEnum
LocateElements (in pAperture: IPoint, in Tolerance: Double): IElementEnum
LocateElementsByEnvelope (in pEnvelope: IEnvelope): IElementEnum
MoveElementToGroup (in group: IGroupElement, in Element: IElement, in zorder: Long)
MoveElementToGroup (in Element: IElement, in group: IGroupElement)
Next: IElement
SendBackward (in Elements: IElementEnum)
Reset
SendToBack (in Elements: IElementEnum)
UpdateElement (in Element: IElement)

ICompositeGraphicsLayer
IGraphicsContainerSelect
IOverflowGraphicsContainer
ILayer2

ICompositeGraphicsLayer2
ISecureLayer
IGeoDataset
IGeoDatasetSchemaEdit
esriDisplay.IDisplayAdmin2
IConnectionPointContainer
ICompositeLayer
ILayerInfo

IGraphicsLayer
ISelectionEvents

IGraphicsContainer

IBarrierProperties
IBarrierProperties2
IGraphicsLayerScale
IGraphicsContainerEvents

GraphicsSubLayer

IGraphicsContainer : IUnknown
AddElement (in Element: IElement, in zOrder: Variant)
AddElements (in IElements: IElementCollection, in zorder: Long)
BringToFront (in Element: IElement)
BringToFront (in Elements: IElementEnum)
DeleteAllElements
DeleteElement (in Element: IElement)
FindName (in NameObject: IName): IElement
GetElements (in GetElementsOrder: esriElementsOrder): IElementEnum
LocateElements (in pAperture: IPoint, in Tolerance: Double): IElementEnum
LocateElementsByEnvelope (in pEnvelope: IEnvelope): IElementEnum
MoveElementToGroup (in group: IGroupElement, in Element: IElement, in zorder: Long)
MoveElementToGroup (in Element: IElement, in group: IGroupElement)
Next: IElement
SendBackward (in Elements: IElementEnum)
Reset
SendToBack (in Elements: IElementEnum)
UpdateElement (in Element: IElement)

IGraphicsContainer
IGraphicsLayerScale
ILayer
IGraphicsLayer
(LayerEventsHelper)
IGeneralProperties
IGraphicsLayer
IBarrierProperties
IBarrierProperties2
IConnectionPointContainer
ILayerInfo

ILayerDrawingPhase
IGeoDataset
IGeneralProperties
ILayerGeneralProperties
esriSystem.IPersist
esriSystem.IPersistStream

GroupLayer

GroupLayer : ILayer
Expanded: Boolean
Add (in pLayer: ILayer)
Clear
Delete (in pLayer: ILayer)

Layer2 : IUnknown
AreaOfInterest: IEnvelope
Cached: Boolean
MaximumScale: Double
MinimumScale: Double
Name: String
SpatialReferenceMode: Boolean
ShowTips: Boolean
SpatialReference: ISpatialReference
SupportedDrawPhases: Long
TipText (in x: Double, in y: Double, in Tolerance: Double): String
Valid: Boolean
Visible: Boolean
Draw (in DrawPhase: esriDrawPhase, in pDisplay: IDisplay, in pTrackCancel: ITrackCancel)

GroupLayerFactory
LayerFactory : IUnknown
CanCreate (in InputObject: IUnknown): Boolean
LayerCategory: String
PublicName: String
Create (in InputObject: IUnknown): IEnumLayer
LoadLayers: IEnumLayer

IGroupLayer
esriDisplay.IConnectionPointContainer
esriDisplay.IMapLevel
ILayer2
ILayerEffects
esriDisplay.IDisplayFilterManager
ILayerEvents (ILayerEventsHelper)
ILayerExtensions
ILevelMasking
ILayerSymbologyExtents
ISymbolLevels

IMSMapLayer in Carto IMS

MapServerLayer in Carto Map Server

WMSMapLayer in Carto Mobile, WMS and WCS Servers

BasemapLayerBase

BasemapLayer : IUnknown
Shaders: IArrayOfIShader
CanDraw: Boolean
CreateMapSubLayer (in pLayer: ILayer): IBasemapSubLayer
GetConversionStatus (in Layer: ILayer): esriConversionStatus
GetLayerWrapper (in Layer: ILayer): IBasemapSubLayer
HasSufficientMemory (in numberOfAdditionalBasemapLayers: Long): Boolean
InvalidateCache
NotifyLayerChanged (in Layer: ILayer, in eventHint: esriLayerEventHint, in eventParam: VariantArray)
NotifyLayerChanging (in pMap: IMap, in incomeVOR: Boolean)

IBasemapLayer
ILayerEffectDIM
ILayerEffects

IRasterBasemapLayer
ILayer2
ILayerEffects
ILayerInfo

RasterBasemapLayer : IUnknown
MosaicLayer: IRasterLayer
RasterLayer: IRasterLayer
Transparency: Integer
HasMosaicLayer: Boolean

RasterBasemapLayerFactory
RasterBasemapLayerFactory : IUnknown
Create (in Layer: IRasterLayer): IRasterBasemapLayer
CreateFromMosaicLayer (in Layer: IMosaicLayer): IRasterBasemapLayer

ICompositeLayer
esriDisplay.IConnectionPointContainer
esriDisplay.IDisplayAdmin
esriDisplay.IDisplayAdmin2
IComposite Layer2
IDataLayer2
IDisplayFilterManager
ILayer2
ILayerEffects
ILayerInfo

BasemapLayer : IUnknown
ICompositeLayer : IUnknown
Count: Long
Layer (in Index: Long): ILayer

IGroupLayer : ILayer
Expanded: Boolean
Add (in pLayer: ILayer)
Clear
Delete (in pLayer: ILayer)

IBasemapSubLayer
(optional) ICompositeLayer
(optional) ICompositeLayer2
(optional) IDataLayer
(optional) IDataLayer2
(optional) esriGeoDatabase.IGeoDataset
(optional) IIdentify
(optional) IIdentify2
(optional) ILayer2
ILayerGeneralProperties
(optional) ILayerInfo
ILayerSymbologyExtents
(optional) ILegendInfo

BasemapSubLayer : IUnknown
Layer: ILayer
GetConversionStatus
esriConversionStatus

StandaloneTable

IStandaloneTable : IUnknown
DisplayField: String
Name: String
Table: ITable
Valid: Boolean

IDataLayer
esriGeoDatabase.ITable
IDataLayer2
esriGeoDatabase.IDataset
esriDisplay.IRelationshipClass
IDisplayTable
esriGeoDatabase.IObjectClassSchemaEvents
esriSystem.IPersist
esriSystem.IPersistStream
IRelationshipClassCollection
IRelationshipClassCollectionEdit
ISelectionEvents
ITableDefinition
esriGeoDatabase.ITableFields
ITableSelection
IDefinitionExpressionEvents
(DefinitionExpressionEvents)
IOrderedLayerFields

ITimeDisplayTable2 : ITimeDisplayTable
PrepareTimeQueryEx (in pTimeValue: ITimeValue, in eTimeRelation: esriTimeRelation, in pFilter: IQueryFilter): PrepareTimeQueryFirstDisplay (in pDisplay: IDisplay, in pFilter: IQueryFilter)
ITimeDisplay
ITimeData
ITimeData2

IStandaloneTable
IAttributeTable
esriGeoDatabase.IClass
esriDisplay.IConnectionPointContainer

IClass : IClass
CreateRow: IRow
CreateRowBuffer: IRowBuffer
DeleteSearch (in QueryFilter: IQueryFilter): IRow
GetFeature (in OID: Long): IRow
GetRows (in oids: Variant, in Recycling: Boolean): ICursor
Insert (in useBuffering: Boolean): ICursor
RowCount (in QueryFilter: IQueryFilter): Long
Search (in QueryFilter: IQueryFilter, in Recycling: Boolean): ICursor
SelectionCursor (in QueryFilter, in selectionCursorSelectionType: esriSelectionType, in selectionOption: esriSelectionOption, in selectionCursor: Workspace): ISelectionSet
UpdateCursor (in QueryFilter: IQueryFilter, in Recycling: Boolean): ICursor
UpdateSearchedRows (in QueryFilter: IQueryFilter, in buffer: IRowBuffer)

IAttributeTable : IUnknown
AttributeTable: ITable

IDisplayTable : IUnknown
DisplayTable: ITable
DisplaySelection: ISelectionSet

ITableSelection : ISelectionSet
SelectionSet: ISelectionSet

IAttributeTable
IDisplayTable
ITableSelection

TopologyLayer

TopologyLayer : IUnknown
Renderer (in Index: esriTopologyRenderer): IFeatureRenderer
Topology: ITopology

ITopologyErrorSelection : IUnknown
RuleType (in Index: Long): esriTopologyRuleType
RuleTypeCount: Long
SelectedIds (in Index: Long): Boolean
SelectedIdsCount: Long
SelectExceptions: Boolean

ITopologyLayer
esriDisplay.IDisplayAdmin
esriDisplay.IDisplayFilterManager
ILayerDrawingProperties

ITopologyErrorSelection
ILayerEffects
ILegendInfo

EngineTopologyLayerFactory

ILayerFactory

DisplayLayer

ILayerEffects : IUnknown
Brightness: Integer
Contrast: Integer
SupportsRightnessChange: Boolean
SupportsContrastChange: Boolean
SupportsInteractive: Boolean
SupportsTransparency: Boolean
Transparency: Integer

ILayerExtensions : IUnknown
Extension (in Index: Long): IUnknown
ExtensionCount: Long
AddExtension (in ext: IUnknown)
RemoveExtension (in Index: Long)

IIdentify : IUnknown
Identify (in pGeom: IGeometry): IArray

ILayerEffects
esriDisplay.IDisplayAdmin
esriDisplay.IConnectionPointContainer
ILayerExtensions
IIdentify

0..1 HatchLayerExtension in Location
0..1 RouteLayerExtension in Location
0..1
0..1

IServerLayerExtension : IUnknown
ServerProperties: IPropertySet

IServerLayerExtension
esriSystem.IPersist
esriSystem.IPersistStream

ServerLayerExtension

EditTemplateManager

IEditTemplateManager : IUnknown
Count: Long
EditTemplate (in Index: Long): IEditTemplate

IEditTemplateManager
esriSystem.IPersist
esriSystem.IPersistStream

EditTemplate

IEditTemplate : IUnknown
CreateCount: Long
DefaultValue (in Field: String): Variant
Description: String
Layer: ILayer
Name: String
Tags: String
TMX: GUID
ClearDefaultValues
SetDefaultValue (in Field: String, in Value: Variant, in isMSMSubset: Boolean)
SetDefaultValues (in Feature: IFeature)

IEditTemplate
esriSystem.IPersist
esriSystem.IPersistStream

EditTemplateFactory

IEditTemplateFactory : IUnknown
Create (in Name: String, in Layer: ILayer): IEditTemplate

IEditTemplateFactory

GroupLayerFactory

GroupLayerFactory : IUnknown
CanCreate (in InputObject: IUnknown): Boolean
LayerCategory: String
PublicName: String
Create (in InputObject: IUnknown): IEnumLayer
LoadLayers: IEnumLayer

ILayerFactory

EngineTopologyLayerFactory

ILayerFactory

WCSLayer in Carto Mobile, WMS and WCS Servers

WMTSLayer

WMTSLayer : IUnknown
DataSourceName: IName
Dimensions: IPropertySet
ILayerEffects
LayerName: String
Style: String
WMTSConnection: IWMTSConnection
WMTSConnectionName: IName)
Connect (in pConnectionName: IName): Boolean

IWMTSLayer
IEvents
ILayerDrawingProperties
ILayerEffects
ILayerExtensions
IDisplayTable
esriGeoDatabase.IDataset
ILegendInfo
esriDisplay.IDisplayAdmin2
ISecureLayer2
IWorkspaceEvents

esriDisplay.IMapLevel

WMTSLayerFactory

ILayerFactory
esriSystem.ISupportErrorInfo

TableLayer

ITable : IClass
CreateRow: IRow
CreateRowBuffer: IRowBuffer
DeleteSearch (in QueryFilter: IQueryFilter): IRow
GetFeature (in oids: Variant, in Recycling: Boolean): ICursor
GetRows (in oids: Variant, in Recycling: Boolean): ICursor
Insert (in useBuffering: Boolean): ICursor
RowCount (in QueryFilter: IQueryFilter): Long
Search (in QueryFilter: IQueryFilter, in Recycling: Boolean): ICursor
SelectionCursor (in QueryFilter, in selectionCursorSelectionType: esriSelectionType, in selectionOption: esriSelectionOption, in selectionCursor: Workspace): ISelectionSet
UpdateCursor (in QueryFilter: IQueryFilter, in Recycling: Boolean): ICursor
UpdateSearchedRows (in QueryFilter: IQueryFilter, in buffer: IRowBuffer)

ITableFields : ITableFields
Field (in Index: Long): IField
FieldCount: Long
FieldInfo (in Index: Long): IFieldInfo
FindField (in FieldName: String): Long

ITableSelection : ITableSelection
SelectionSet: ISelectionSet
AddRow (in Row: IRow)
Clear
SelectionChanged
SelectRows (in Filter: IQueryFilter, in Method: esriSelectionResultEnum, in combine: esriSelectionCombination, in useOneSubset: Boolean)

IAttributeTable : IUnknown
AttributeTable: ITable

IDisplayTable : IUnknown
DisplayTable: ITable
DisplaySelection: ISelectionSet

ITableSelection
IAttributeTable
IDisplayTable

esriGeoDatabase.ITable
esriGeoDatabase.IClass
esriGeoDatabase.IDataset
IDisplayRelationshipClass
IRelationshipClassCollection
IRelationshipClassCollectionEdit

RasterLayer

IRasterLayer : ILayer
BandCount: Long
DataSourceName: IName
DataFrameExtent: IEnvelope
DisplayResolutionFactor: Long
PixelType: Long
PrimaryField: Long
PyramidPresent: Boolean
RasterDataset
Renderer: IRasterRenderer
RowCount: Long
SkipDeletedRows: Boolean
StoredExtent: IEnvelope
CreateFromDataset (in RasterDataset: IRasterDataset)
CreateFromFilePath (in FilePath: String)
CreateFromStream (in Raster: IRaster)

IDisplayAdmin2 : IUnknown
DoesBlending: Boolean
DoesResampling: Boolean
UseGdiRaster: Boolean

IGeoReference : IUnknown
CanGetRef: Boolean
Flip
Mirror
PointsTransform (in inPoints: IPointCollection, in ToMapPoints: Boolean, in outPoints: IPointCollection)
Rectify (in fullExtent: String, in Format: String)
Register
Rescale (in xScale: Double, in yScale: Double)
Reset
Rotate (in pPivotPoint: IPoint, in Angle: Double)
Shift (in dxMAX: Double, in dxMAY: Double)
TransformFromMap (in inPoints: IPointCollection, in outPoints: IPointCollection)
TransformToMap (in inPoints: IPointCollection, in toPoints: IPointCollection, in order: Long)

IGeoReferenceEvents : IUnknown
GeoReferenceModified
GeoReferenceReset

IGeoReferenceEvents (GeoReferenceEvents)

ILayerEvents : IUnknown
VisibilityChanged (in currentState: Boolean)

ILayerEvents (LayerEventsHelper)

ILegendInfo : IUnknown
LegendGroup (Index: Long): ILegendGroup
LegendGroupCount: Long
LegendItem: ILegendItem
SymbolsAreOverlapped: Boolean

ILegendInfo

IObjectClass : IClass
Alias Name: String
ObjectClassID: Long
RelationshipClasses (in Role: esriRelRole): IEnumRelationshipClass

ISpatialReference : ISpatialReference
DrawSpatialReference (pDisplay: IDisplay, pTrackCancel: ITrackCancel)
Init (in bstrLibrary: BSTR, in FileName: String, in FileFormat: esriSRGeoCoordFormatType)
MakeDrawSpRef (in TrackCancel: ITrackCancel, in effects: Variant, in op: esriRasterExtentsMapOp)
MakeRealBitmap (in TrackCancel: ITrackCancel, in effects: VARIANT, in effects: Variant, in bytBits: Boolean)
MakeWriteBitmap (in TrackCancel: ITrackCancel, in effects: VARIANT, in op: esriRasterExtentsMapOp, in effects: Variant, in bytBits: Boolean)

IRasterSpatialReference : IUnknown
ITimeDataDisplay
ITimeDimensionDefinition
ILayerDrawingSetup

ITimeData
ITimeData2

IRasterLayer
esriDataSourcesRaster.IRasterDataManagementEvents
ITemporaryLayer
ILayer2

RasterRenderer in Carto Renderers

esriDisplay.IDisplayAdmin2
IGeoReference
ILayerFactory

RasterLayerFactory
RasterLayerFactory : IUnknown
CanCreate (in inputObject: IUnknown): Boolean
LayerCategory: String
PublicName: String
Create (in inputObject: IUnknown): IEnumLayer
LoadLayers: IEnumLayer

RasterLayerFactory

NetCDFLayerFactory
NetCDFLayerFactory : IUnknown
CanCreate (in inputObject: IUnknown): Boolean
LayerCategory: String
PublicName: String
Create (in inputObject: IUnknown): IEnumLayer
LoadLayers: IEnumLayer

NetCDFLayerFactory

IRasterExport : IUnknown
Extent: IEnvelope
RasterLayer: IRasterLayer
RasterName: IRasterExportRaster
Export (in pWorkspace: Workspace, in pRasterName: IName, in Format: String)
SetSize (in cx: Long, in cy: Long)

IRasterExport
IRasterExport2
IRasterExport3

IRasterExport2 : IRasterExport
StorageDef: IRasterStorageDef

IRasterExport3 : IUnknown
ExportToRaster (in pWorkspace: IWorkspace, in pRasterName: IName, in Format: String): IRasterDataset

IRasterLayer
esriDataSourcesRaster.IRasterDataManagementEvents
ITemporaryLayer
ILayer2

RasterRenderer in Carto Renderers

ILayerFactory

NetCDFTableFactory
ITableFactory : IUnknown
CanCreate (in inputObject: IUnknown): Boolean
PublicName: String
LayerCategory: String
CreateTable (in Name: String): ITable
LoadTables: IEnumTable

ITableFactory

Table in Geodatabase

FeatureLayerBase

FeatureLayer2 : IUnknown
DataSourceType: String
DisplayField: String
FeatureClass: IFeatureClass
FeatureType: esriFeatureType
Selectable: Boolean
ShapeType: esriGeometryType
ExpandRepsFromSymbols (in pDisplay: IDisplay, in region: IGeometry)
Search (in queryFilter, in recycling: Boolean): IFeatureCursor

FeatureLayerDefinition : IUnknown
DefinitionExpression: String
DefinitionExtent(out): IEnvelope
RelationshipClass: IRelationshipClass
CreateSelectionLayer (in LayerName: String, in OutputVisibility: Boolean, in pattrTableNames: String, in expression String): IFeatureLayer

FeatureSelection : IUnknown
BufferDistance: Double
CombinationMethod
SelectionSet: ISelectionSet
SelectionColor: IColor
SelectionSymbol: ISymbol
SelectionSymbol: ISymbol
SetSelectionSymbol: Boolean
Add (in Feature: IFeature)
Clear
SelectFeatures (in Filter: IQueryFilter, in Method: esriSelectionResultEnum, in justOne: Boolean)
SelectionChanged

IFind : IUnknown
FindDisplayField: String
FindFields: IVariant
Find (in Search: String, in Contains: Boolean, in Fields: Variant, in TrackCancel: ITrackCancel): IArray

IHotlinkContainer : IUnknown
HotlinkField: String
HotlinkType: esriHyperlinkType

IHotlinkExpression : IUnknown
ExpressionProperties: IHotLinkExpressionProperties
ExecuteExpression (in pObject: IObject): String

IIdentify2 : IUnknown
Scale: Double
Identify (in pGeom: IGeometry, in pTrackCancel: ITrackCancel): IArray

ILayer2 : IUnknown
AreaOfInterest: IEnvelope
Cached: Boolean
MaximumScale: Double
MinimumScale: Double
Name: String
SpatialReferenceMode: Boolean
ShowTips: Boolean
SpatialReference: ISpatialReference
SupportedDrawPhases: Long
TipText (in x: Double, in y: Double, in Tolerance: Double): String
Valid: Boolean
Visible: Boolean
Draw (in DrawPhase: esriDrawPhase, in pDisplay: IDisplay, in pTrackCancel: ITrackCancel)

esriDisplay.IMapLevel

IHTMLPopupInfo : IUnknown
HTMLHotFieldName:Column: Boolean
HTMLOutputTextFeature: IFeature): String
HTMLPopupEnabled: Boolean
HTMLPresentationStyle
HTMLPopupType
HTMLRedirectFieldName: String
HTMLRedirectFieldSuffix: String
HTMLRedirectFieldUseColumn: Boolean
HTMLXSLTransform: String

IHTMLPopupInfo
IHTMLPopupInfo2

HTMLPopupIdentify : IUnknown
HTMLPopupEnabled: Boolean
HTMLPresentationStyle
esriHTMLPopupStyle
HTMLIdentify (in pPoint: IPoint, in Tolerance: Double): String
HTMLTipText (in pPoint: IPoint, in Tolerance: Double): String

IHTMLPopupIdentify
IHTMLPopupIdentify2

IFieldInfoSet

FieldInfoSet : IUnknown
Count: Long
FieldInfo (in Index: Long): IFieldInfo
FieldName (in Index: Long): String
Add (in FieldName: String, in FieldInfo: IFieldInfo)
Clear
Remove (in FieldName: String): IFieldInfo

IFieldInfoSet

HotLinkExpressionProperties

IClone
IHotLinkExpressionProperties
IPersist
IPersistStream

DisplayExpressionProperties

IClone
IDisplayExpressionProperties
IPersist
IPersistStream

ILayerFields

Hyperlink

IHyperlink : IUnknown
FeatureId: Long
Name: String
LinkType: esriHyperlinkType
Jump

IPersistStream : IPersist
GetSizeMax (out pcbSize: ULARGE_INTEGER)
isDirty
Load (in pstm: IStream)
Save (in pstm: IStream, in fClearDirty: Long)

IHyperlink
esriSystem.IPersistStream

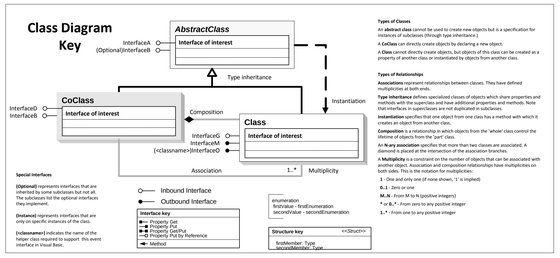
RasterCatalogLayer

RasterCatalogLayer : ILayer
CatalogTable: IRasterCatalogTable
CatalogTableName: String
PrimaryField: Long
Renderer: IRasterRenderer
Symbol: ISymbol
Create (in pCatalog: IRasterCatalogTable)

RasterCatalogDisplayProps : IUnknown
DelayDraw: Long
DisplayRasters: Long
DisplayRastersOnly: Boolean
RasterDisplay: IRasterDisplay
ResamplingType: esriResamplingTypes
Symbol: ISymbol
TransformSource: Double
UseScale: Boolean

ILegendInfo : IUnknown
LegendGroup (Index: Long): ILegendGroup
LegendGroupCount: Long
LegendItem: ILegendItem
SymbolsAreOverlapped: Boolean

ISymbolLevels : IUnknown
UseSymbolLevels:

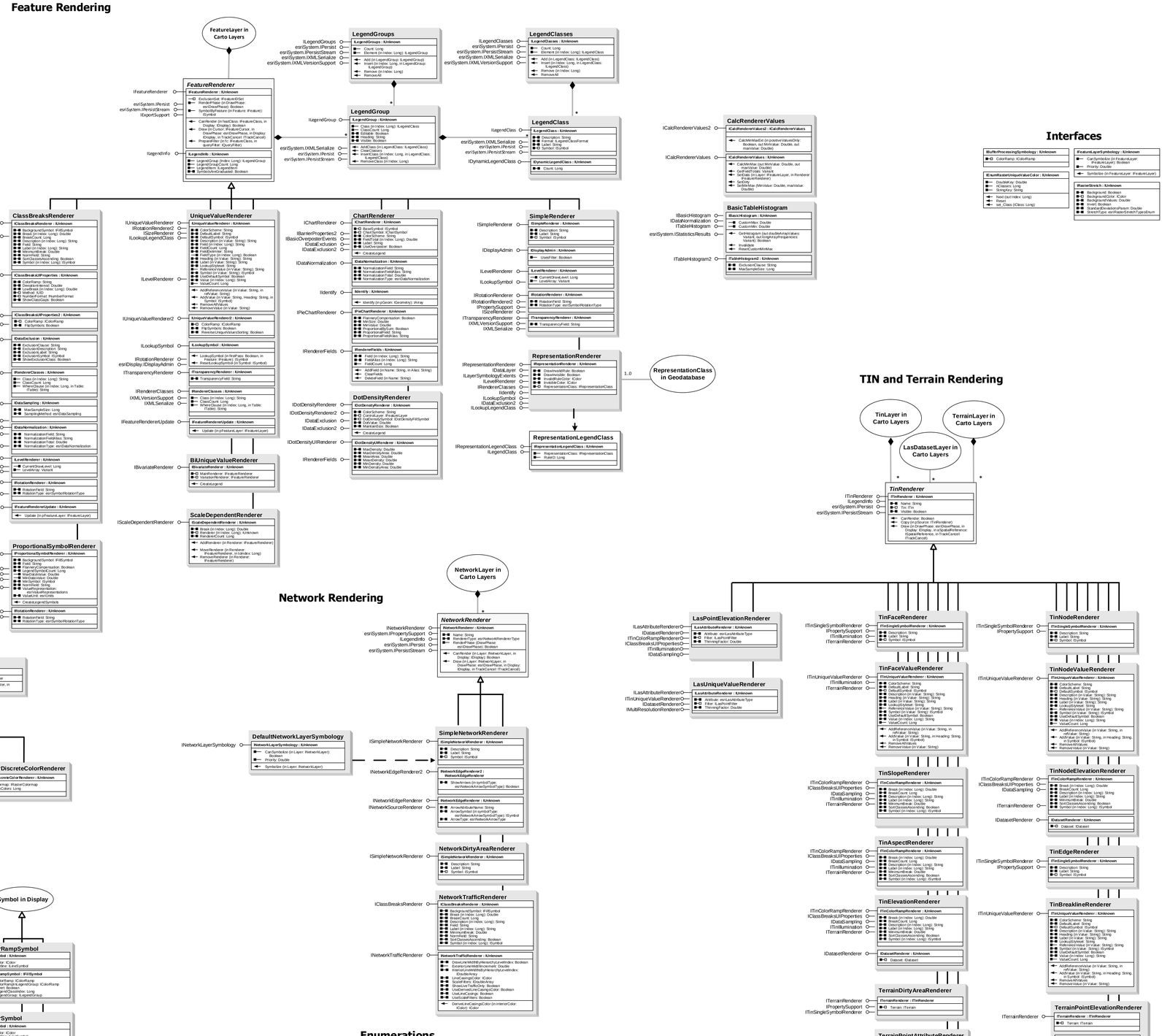


Carto Object Model Rendering

Esri® ArcGIS® 10.5

Copyright © 1999-2017 Esri. All rights reserved. Esri, ArcGIS, ArcObjects, and ArcMap are trademarks, registered trademarks, or service marks of Esri in the United States, the European Community, or certain other jurisdictions.

Feature Rendering



Raster Rendering

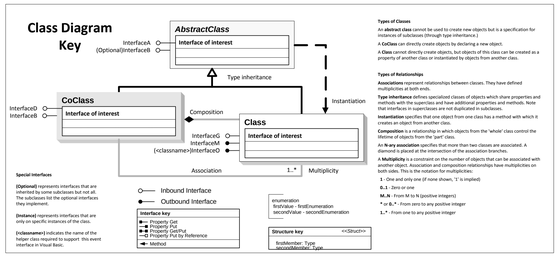
Network Rendering

Enumerations

Carto Object Model
Labeling and Annotation

Esri® ArcGIS® 10.5

Copyright © 1999-2017 Esri. All rights reserved. Esri, ArcGIS, ArcObjects, and ArcMap are trademarks, registered trademarks, or service marks of Esri in the United States, the European Community, or certain other jurisdictions.



Enumerations

Carto Object Model
Map Server

Esri® ArcGIS® 10.5

Copyright © 1999-2017 Esri. All rights reserved. Esri, ArcGIS, ArcObjects, and ArcMap are trademarks, registered trademarks, or service marks of Esri in the United States, the European Community, or certain other jurisdictions.

Enumerations

esriCacheMapServiceType
0 - esriSingleFusedMapCache
1 - esriDynamicLayerCaches

esriMapReturnType
0 - esriImageReturnURL
1 - esriImageReturnMimeData

esriImageFormat
1 - esriImageNone
2 - esriImageJPG
3 - esriImageJPG
4 - esriImageDIB
5 - esriImageTIFF
6 - esriImagePNG
7 - esriImagePNG24
8 - esriImageBMP
9 - esriImageGIF
10 - esriImagePDF
11 - esriImageSVG
12 - esriImageSVGZ
13 - esriImageAMF
14 - esriImageJSCRIPG

esriQueryResultFormat
0 - esriQueryResultRecordSetAsObject
1 - esriQueryResultMIMEJsonInline
2 - esriQueryResultMIMEJsonURL
3 - esriQueryResultMIMEKmlInline
4 - esriQueryResultMIMEJsonURL
5 - esriQueryResultMIMEKmlInline
6 - esriQueryResultMIMEKmlURL

esriRelationResultFormat
0 - esriRelationResultRelatedRecordSetAsObject
1 - esriRelationResultJsonAsInline
2 - esriRelationResultJsonAsURL
3 - esriRelationResultKmlAsInline
4 - esriRelationResultKmlAsURL

esriServerHTMLPopupTypes
0 - esriServerHTMLPopupTypeNone
1 - esriServerHTMLPopupTypeAsURL
2 - esriServerHTMLPopupTypeAsHTMLText

esriClassifyMethod
0 - esriClassifyNaturalBreaks
1 - esriClassifyEqualInterval
2 - esriClassifyQuantile
3 - esriClassifyStandardDeviation
4 - esriClassifyGeometricalInterval

esriExpressionType
0 - esriExpressionSimple
1 - esriLabelExpressionPython
2 - esriLabelExpressionVBScript
3 - esriLabelExpressionJScript

esriIdentifyOption
1 - esriIdentifyAllLayers
2 - esriIdentifyVisibleLayers
3 - esriIdentifyTopmost
4 - esriIdentifyVisibleHTMLPopup
5 - esriIdentifyAllHTMLPopup

esriMessageMapCodeEnum
10000 - esriMapServerMsgCode_MessageArrival_GetDocumentInfo
10001 - esriMapServerMsgCode_MessageProcessed_GetDocumentInfo
10002 - esriMapServerMsgCode_MessageArrival_GetMapCount
10003 - esriMapServerMsgCode_MessageProcessed_GetMapCount
10004 - esriMapServerMsgCode_MessageArrival_GetMapName
10005 - esriMapServerMsgCode_MessageProcessed_GetMapName
10006 - esriMapServerMsgCode_MessageArrival_GetDefaultMapName
10007 - esriMapServerMsgCode_MessageProcessed_GetDefaultMapName
10008 - esriMapServerMsgCode_MessageArrival_GetServerInfo
10009 - esriMapServerMsgCode_MessageProcessed_GetServerInfo
10010 - esriMapServerMsgCode_MessageArrival_ExportMapImage
10011 - esriMapServerMsgCode_MessageProcessed_ExportMapImage
10012 - esriMapServerMsgCode_MessageArrival_ExportScaleBar
10013 - esriMapServerMsgCode_MessageProcessed_ExportScaleBar
10014 - esriMapServerMsgCode_MessageArrival_Find
10015 - esriMapServerMsgCode_MessageProcessed_Find
10016 - esriMapServerMsgCode_MessageArrival_Identify
10017 - esriMapServerMsgCode_MessageProcessed_Identify
10018 - esriMapServerMsgCode_MessageArrival_QueryFeatureCount
10019 - esriMapServerMsgCode_MessageProcessed_QueryFeatureCount
10020 - esriMapServerMsgCode_MessageArrival_QueryFeatureIDs
10021 - esriMapServerMsgCode_MessageProcessed_QueryFeatureIDs
10022 - esriMapServerMsgCode_MessageArrival_QueryFeatureData
10023 - esriMapServerMsgCode_MessageProcessed_QueryFeatureData
10024 - esriMapServerMsgCode_MessageArrival_QueryFeatureCount2
10025 - esriMapServerMsgCode_MessageProcessed_QueryFeatureCount2
10026 - esriMapServerMsgCode_MessageArrival_QueryFeatureIDs2
10027 - esriMapServerMsgCode_MessageProcessed_QueryFeatureIDs2
10028 - esriMapServerMsgCode_MessageArrival_QueryFeatureData2
10029 - esriMapServerMsgCode_MessageProcessed_QueryFeatureData2
10030 - esriMapServerMsgCode_MessageArrival_QueryHyperlinks
10031 - esriMapServerMsgCode_MessageProcessed_QueryHyperlinks
10032 - esriMapServerMsgCode_MessageArrival_ComputeScale
10033 - esriMapServerMsgCode_MessageProcessed_ComputeScale
10034 - esriMapServerMsgCode_MessageArrival_ComputeDistance
10035 - esriMapServerMsgCode_MessageProcessed_ComputeDistance
10036 - esriMapServerMsgCode_MessageArrival_TalkbackPoints
10038 - esriMapServerMsgCode_MessageProcessed_TalkbackPoints
10039 - esriMapServerMsgCode_MessageArrival_FromMapPoints
10040 - esriMapServerMsgCode_MessageProcessed_FromMapPoints
10041 - esriMapServerMsgCode_MessageArrival_GetLargestInMN
10042 - esriMapServerMsgCode_MessageProcessed_GetLargestInMN
10043 - esriMapServerMsgCode_MessageArrival_GetSQLSyntaxInfo
10044 - esriMapServerMsgCode_MessageProcessed_GetSQLSyntaxInfo
10045 - esriMapServerMsgCode_MessageArrival_GetSupportedImageReturnTypes
10046 - esriMapServerMsgCode_MessageProcessed_GetSupportedImageReturnTypes
10047 - esriMapServerMsgCode_MessageArrival_IsFixedScaleMap
10048 - esriMapServerMsgCode_MessageProcessed_IsFixedScaleMap
10049 - esriMapServerMsgCode_MessageArrival_HasEnglishUnitsMapCache
10050 - esriMapServerMsgCode_MessageProcessed_HasEnglishUnitsMapCache
10051 - esriMapServerMsgCode_MessageArrival_GetTileCacheInfo
10052 - esriMapServerMsgCode_MessageProcessed_GetTileCacheInfo
10053 - esriMapServerMsgCode_MessageArrival_GetTileImageInfo
10054 - esriMapServerMsgCode_MessageProcessed_GetTileImageInfo
10055 - esriMapServerMsgCode_MessageArrival_GetMapTile
10056 - esriMapServerMsgCode_MessageProcessed_GetMapTile
10057 - esriMapServerMsgCode_MessageArrival_HasLayerCache
10058 - esriMapServerMsgCode_MessageProcessed_HasLayerCache
10059 - esriMapServerMsgCode_MessageArrival_getLayerTile
10060 - esriMapServerMsgCode_MessageProcessed_GetLayerTile
10061 - esriMapServerMsgCode_MessageArrival_GetArcSDECursorFactory
10062 - esriMapServerMsgCode_MessageProcessed_GetArcSDECursorFactory
10063 - esriMapServerMsgCode_MessageArrival_GetArcSDECacheDirectory
10064 - esriMapServerMsgCode_MessageProcessed_GetArcSDECacheDirectory
10065 - esriMapServerMsgCode_MessageArrival_GetCacheName
10066 - esriMapServerMsgCode_MessageProcessed_GetCacheName
10067 - esriMapServerMsgCode_MessageArrival_GetCacheDirectoryInfo
10068 - esriMapServerMsgCode_MessageProcessed_GetCacheDirectoryInfo
10069 - esriMapServerMsgCode_MessageArrival_GetCacheDirectoryInfo2
10070 - esriMapServerMsgCode_MessageProcessed_GetCacheDirectoryInfo2
10071 - esriMapServerMsgCode_MessageArrival_GetServerConfigurationInfo
10072 - esriMapServerMsgCode_MessageProcessed_GetServerConfigurationInfo
10073 - esriMapServerMsgCode_MessageArrival_ExportLayout
10074 - esriMapServerMsgCode_MessageProcessed_ExportLayout
10075 - esriMapServerMsgCode_MessageArrival_ExportMapAndLayout
10076 - esriMapServerMsgCode_MessageProcessed_ExportMapAndLayout
10077 - esriMapServerMsgCode_MessageArrival_FromPageRows
10078 - esriMapServerMsgCode_MessageProcessed_FromPageRows
10079 - esriMapServerMsgCode_MessageArrival_FromPageFonts
10080 - esriMapServerMsgCode_MessageProcessed_FromPageFonts
10081 - esriMapServerMsgCode_MessageArrival_ApplyMapDescription
10082 - esriMapServerMsgCode_MessageProcessed_ApplyMapDescription
10083 - esriMapServerMsgCode_MessageArrival_RefreshServerObjects
10084 - esriMapServerMsgCode_MessageProcessed_RefreshServerObjects
10085 - esriMapServerMsgCode_Layer_Find_Start
10086 - esriMapServerMsgCode_Layer_Find_End
10087 - esriMapServerMsgCode_Layer_QueryHyperlinks_Start
10088 - esriMapServerMsgCode_Layer_QueryHyperlinks_End
10089 - esriMapServerMsgCode_Layer_GetLegendInfo_Start
10090 - esriMapServerMsgCode_Layer_GetLegendInfo_End
10091 - esriMapServerMsgCode_MapReaderOpen_Start
10092 - esriMapServerMsgCode_MapReaderOpen_End
10094 - esriMapServerMsgCode_Preparation_Start
10095 - esriMapServerMsgCode_Preparation_End
10096 - esriMapServerMsgCode_QueryOperation_Start
10097 - esriMapServerMsgCode_QueryOperation_End
10098 - esriMapServerMsgCode_ExportMapImage_Start
10099 - esriMapServerMsgCode_ExportMapImage_End
10100 - esriMapServerMsgCode_Visual_QueryRelatedRecords
10101 - esriMapServerMsgCode_Visual_QueryRelatedRecords
10102 - esriMapServerMsgCode_Visual_QueryRowCount
10103 - esriMapServerMsgCode_Visual_QueryRowCount
10104 - esriMapServerMsgCode_Visual_QueryRowIDs
10105 - esriMapServerMsgCode_Visual_QueryRowIDs
10106 - esriMapServerMsgCode_Visual_QueryData
10107 - esriMapServerMsgCode_Visual_QueryData
10108 - esriMapServerMsgCode_Layer_GetCachedStrategies
10109 - esriMapServerMsgCode_Layer_GetCachedStrategies
10110 - esriMapServerMsgCode_Visual_QueryAttachmentInfos
10111 - esriMapServerMsgCode_Visual_QueryAttachmentInfos
10112 - esriMapServerMsgCode_Visual_QueryAttachmentIDs
10113 - esriMapServerMsgCode_Visual_QueryAttachmentIDs
10114 - esriMapServerMsgCode_Visual_QueryAttachments
10115 - esriMapServerMsgCode_Visual_QueryAttachments
10116 - esriMapServerMsgCode_Visual_QueryTMLPopups
10117 - esriMapServerMsgCode_Visual_QueryTMLPopups
10118 - esriMapServerMsgCode_Visual_GetDefaultLayerDrawingDescriptions
10119 - esriMapServerMsgCode_Visual_GetDefaultLayerDrawingDescriptions
10120 - esriMapServerMsgCode_Visual_GetMapTableSubtypeInfos
10121 - esriMapServerMsgCode_Visual_GetMapTableSubtypeInfos
10122 - esriMapServerMsgCode_Visual_QueryRelatedRecords2
10123 - esriMapServerMsgCode_Visual_QueryRelatedRecords2
10124 - esriMapServerMsgCode_Visual_QueryTableRelated2
10125 - esriMapServerMsgCode_Visual_QueryTableRelated2
10126 - esriMapServerMsgCode_Visual_QueryAttachmentInfos2
10127 - esriMapServerMsgCode_Visual_QueryAttachmentInfos2
10128 - esriMapServerMsgCode_Visual_QueryAttachmentIDs2
10129 - esriMapServerMsgCode_Visual_QueryAttachmentIDs2
10130 - esriMapServerMsgCode_Visual_QueryAttachments2
10131 - esriMapServerMsgCode_Visual_QueryAttachments2
10132 - esriMapServerMsgCode_Visual_QueryTMLPopups2
10133 - esriMapServerMsgCode_Visual_QueryTMLPopups2
10134 - esriMapServerMsgCode_Visual_GetMapTableSubtypeInfos2
10135 - esriMapServerMsgCode_Visual_GetMapTableSubtypeInfos2
10136 - esriMapServerMsgCode_NoCacheFound
10137 - esriMapServerMsgCode_NoCacheMissing
10138 - esriMapServerMsgCode_CacheOnDemandMissing
10139 - esriMapServerMsgCode_IgnoreCacheMissing
10140 - esriMapServerMsgCode_ClientCacheImgAllowedMissing
10141 - esriMapServerMsgCode_OnStartField
10142 - esriMapServerMsgCode_OnStopField
10143 - esriMapServerMsgCode_CanNotCacheNotDisconnected
10144 - esriMapServerMsgCode_CanNotCacheOnDemandNotDisconnected
10145 - esriMapServerMsgCode_CanNotCacheOnDemandAgsIronCache
10146 - esriMapServerMsgCode_MissingServerEnvironment
10147 - esriMapServerMsgCode_LackingServerAdminPrivileges
10148 - esriMapServerMsgCode_MissingServerParameters
10149 - esriMapServerMsgCode_MXDMarkedOutputDirectory
10150 - esriMapServerMsgCode_MapNotFound
10151 - esriMapServerMsgCode_GeneralGeoDatabaseError
10152 - esriMapServerMsgCode_LayerIDNotFound
10153 - esriMapServerMsgCode_FieldNotFound
10154 - esriMapServerMsgCode_FormatNotSupported
10155 - esriMapServerMsgCode_TableNameNotFound
10156 - esriMapServerMsgCode_TableNameNotDefinedInQueryFailed
10157 - esriMapServerMsgCode_DefaultSymbolGenerated
10158 - esriMapServerMsgCode_TooManyScenarios
10159 - esriMapServerMsgCode_SymbologyNotConverted
10160 - esriMapServerMsgCode_LayerDrawingDescriptionInvalid
10161 - esriMapServerMsgCode_InvalidEmbeddedFont
10162 - esriMapServerMsgCode_DynamicDataSourceError

esriServerLineLabelPlacementType
0 - esriServerLineLabelPlacementAbove
1 - esriServerLineLabelPlacementAboveAlong
2 - esriServerLineLabelPlacementAboveBelow
3 - esriServerLineLabelPlacementAboveStart
4 - esriServerLineLabelPlacementAboveEnd
5 - esriServerLineLabelPlacementBelowAlong
6 - esriServerLineLabelPlacementBelowStart
7 - esriServerLineLabelPlacementBelowEnd
8 - esriServerLineLabelPlacementCenterAlong
9 - esriServerLineLabelPlacementCenterStart
10 - esriServerLineLabelPlacementCenterEnd
11 - esriServerLineLabelPlacementCenterOnLine
12 - esriServerLineLabelPlacementCenterAfter
13 - esriServerLineLabelPlacementCenterBefore
14 - esriServerLineLabelPlacementCenterStart
15 - esriServerLineLabelPlacementCenterEnd

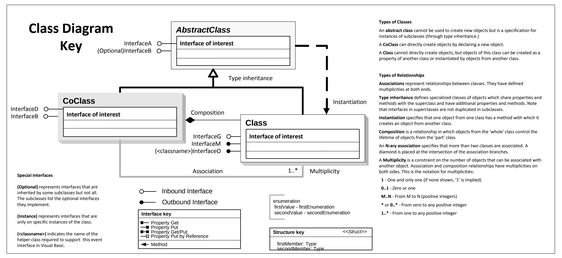
esriServerPictureOutputType
0 - esriServerPictureOutputAsURL
1 - esriServerPictureOutputAsPictureName
2 - esriServerPictureOutputAsPicture

esriServerPointLabelPlacementType
0 - esriServerPointLabelPlacementAboveCenter
1 - esriServerPointLabelPlacementAboveLeft
2 - esriServerPointLabelPlacementAboveRight
3 - esriServerPointLabelPlacementBelowCenter
4 - esriServerPointLabelPlacementBelowLeft
5 - esriServerPointLabelPlacementBelowRight
6 - esriServerPointLabelPlacementCenterCenter
7 - esriServerPointLabelPlacementCenterLeft
8 - esriServerPointLabelPlacementCenterRight

esriServerPolygonLabelPlacementType
0 - esriServerPolygonPlacementAlwaysHorizontal

esriDataStatType
0 - esriDataStatTypeCount
1 - esriDataStatTypeMin
2 - esriDataStatTypeMax
3 - esriDataStatTypeSum
4 - esriDataStatTypeAverage
5 - esriDataStatTypeStdDev
6 - esriDataStatTypeVariance

StatisticsRequest
IStatisticsRequest : IUnknown
GroupByFields: String
OrderByFields: String
StatisticDescriptions: IStatisticDescriptions
IStatisticsRequest
esriSystem.IXMLSerialize
esriSystem.IPersistStream
esriSystem.IXMLVersionSupport
StatisticDescriptions
IStatisticDescriptions : IUnknown
Count: Long
Element (in Index: Long): IStatisticDescription
Add (in pStatisticDescription: IStatisticDescription)
Insert (in Index: Long, in pStatisticDescription: IStatisticDescription)
Remove (in Index: Long)
RemoveAll
IStatisticDescriptions
esriSystem.IXMLSerialize
esriSystem.IPersistStream
esriSystem.IXMLVersionSupport
StatisticDescription
IStatisticDescription : IUnknown
ResultFieldName: String
StatisticType: esriStatType
StatisticType: esriStatType
IStatisticDescription
esriSystem.IXMLSerialize
esriSystem.IPersistStream
esriSystem.IXMLVersionSupport
MapServerHyperlinks
IMapServerHyperlinks : IUnknown
Count: Long
Element (in Index: Long): IMapServerHyperlink
Insert (in Index: Long, in pHyperlink: IMapServerHyperlink)
Remove (in Index: Long)
RemoveAll
IMapServerHyperlinks
IXMLSerialize
IXMLVersionSupport
IPersistStream
IPersist
MapServerHyperlink
IMapServerHyperlink : IUnknown
Location: IGeometry
URL: String
IMapServerHyperlink
IXMLSerialize
IPersistStream
IPersist
ServerSymbolOutputOptions
IServerSymbolOutputOptions : IUnknown
ConvertLabelExpressions: Boolean
PictureOutputType: esriServerPictureOutputType
IServerSymbolOutputOptions
esriSystem.IDocumentVersionSupportGEN
esriSystem.IPersistStream
esriSystem.IXMLSerialize
esriSystem.IXMLVersionSupport
PointLabelPlacementDescription
IPointLabelPlacementDescription : IUnknown
Type: esriServerPointLabelPlacementType
IPointLabelPlacementDescription
ILabelPlacementDescription
IXMLSerialize
IPersistStream
IPersist
IXMLVersionSupport
IDocumentVersionSupportGEN
LineLabelPlacementDescription
ILineLabelPlacementDescription : IUnknown
Type: esriServerLineLabelPlacementType
ILineLabelPlacementDescription
ILabelPlacementDescription
IXMLSerialize
IPersistStream
IPersist
IXMLVersionSupport
IDocumentVersionSupportGEN
PolygonLabelPlacementDescription
IPolygonLabelPlacementDescription : IUnknown
Type: esriServerPolygonLabelPlacementType
IPolygonLabelPlacementDescription
ILabelPlacementDescription
IXMLSerialize
IPersistStream
IPersist
IXMLVersionSupport
IDocumentVersionSupportGEN
TableDataSourceDescription
ITableDataSourceDescription : IUnknown
WorkspaceID: String
ITableDataSourceDescription
IDataSourceDescription
IXMLSerialize
IPersistStream
IPersist
IXMLVersionSupport
JoinTableSourceDescription
IJoinTableSourceDescription : IUnknown
JoinType: esriJoinType
LeftSourceDescription: IDataSourceDescription
LeftTableKey: String
RightSourceDescription: IRelSourceDescription
RightTableKey: String
IJoinTableSourceDescription
IDataSourceDescription
IXMLSerialize
IPersistStream
IPersist
IXMLVersionSupport
MapTableSourceDescription
IMapTableSourceDescription : IUnknown
MapTableID: Long
VersionName: String
IMapTableSourceDescription
IDataSourceDescription
IXMLSerialize
IPersistStream
IPersist
IXMLVersionSupport
RasterDataSourceDescription
IRasterDataSourceDescription : IUnknown
RasterName: String
IRasterDataSourceDescription
IDataSourceDescription
IXMLSerialize
IPersistStream
IPersist
IXMLVersionSupport
QueryTableDataSourceDescription
IQueryTableDataSourceDescription : IUnknown
GeometryType: esriGeometryType
OIDFields: String
QueryDef: String
SpatialReference: ISpatialReference
IQueryTableDataSourceDescription
IDataSourceDescription
IXMLSerialize
IPersistStream
IPersist
IXMLVersionSupport
MapServerSourceDescription
IMapServerSourceDescription : IUnknown
IMapServerSourceDescription
esriSystem.IXMLSerialize
esriSystem.IXMLVersionSupport
esriSystem.IDocumentVersionSupportGEN
MapTableSubtypeInfos
IMapTableSubtypeInfos : IUnknown
Count: Long
Element (in Index: Long): IMapTableSubtypeInfo
Add (in pMapTableSubtypeInfo: IMapTableSubtypeInfo)
Insert (in Index: Long, in pMapTableSubtypeInfo: IMapTableSubtypeInfo)
Remove (in Index: Long)
RemoveAll
IMapTableSubtypeInfos
IXMLSerialize
IPersistStream
IPersist
IXMLVersionSupport
MapTableSubtypeInfo
IMapTableSubtypeInfo : IUnknown
SubtypeFieldName: String
SubtypeInfos: ISubtypeInfos
TableID: Long
IMapTableSubtypeInfo
IDocumentVersionSupportGEN
IXMLSerialize
IPersistStream
IPersist
IXMLVersionSupport
SubtypeInfos
ISubtypeInfos : IUnknown
Count: Long
Element (in Index: Long): ISubtypeInfo
Add (in pSubtypeInfo: ISubtypeInfo)
Insert (in Index: Long, in pSubtypeInfo: ISubtypeInfo)
Remove (in Index: Long)
RemoveAll
ISubtypeInfos
IXMLSerialize
IPersistStream
IPersist
IXMLVersionSupport
SubtypeInfo
ISubtypeInfo : IUnknown
FieldDomainInfos: IFieldDomainInfos
SubtypeCode: Long
SubtypeName: String
ISubtypeInfo
IXMLSerialize
IPersistStream
IPersist
IXMLVersionSupport
IDocumentVersionSupportGEN
FieldDomainInfos
IFieldDomainInfos : IUnknown
Count: Long
Element (in Index: Long): IFieldDomainInfo
Add (in pFieldDomainInfo: IFieldDomainInfo)
Insert (in Index: Long, in pFieldDomainInfo: IFieldDomainInfo)
Remove (in Index: Long)
RemoveAll
IFieldDomainInfos
IXMLSerialize
IPersistStream
IPersist
IXMLVersionSupport
FieldDomainInfo
IFieldDomainInfo : IUnknown
DomainName: String
FieldName: String
IsInherited: Boolean
IFieldDomainInfo
IXMLSerialize
IPersistStream
IPersist
IXMLVersionSupport
IDocumentVersionSupportGEN
SQLSyntaxInfo
ISQLSyntaxInfo : IUnknown
DelimitedIdentifierCase: Boolean
FunctionNames: IPropertySet
InvalidCharacters: String
InvalidCharacters: String
InvalidStartingCharacters: String
LikeWildcardSingle: String
SpecialCharsInPropertyName: String
StringComparisonCase: Boolean
SupportedClauses: IStringArray
SupportedPredicates: IStringArray
ISQLSyntaxInfo
esriSystem.IPersist
esriSystem.IPersistStream
esriSystem.IXMLSerialize
SimpleMapServerIdentifyObject
IIdentifyObject : IUnknown
DefinitionExpression: String
Name: String
PropertySet: IPropertySet
IMapServerIdentifyObject : IUnknown
MapServerIdentifyResult: IMapServerIdentifyResult
IIdentifyObj
IMapServerIdentifyObject
SQLSyntaxInfo
ISQLSyntaxInfo : IUnknown
DelimitedIdentifierCase: Boolean
FunctionNames: IPropertySet
InvalidCharacters: String
InvalidCharacters: String
InvalidStartingCharacters: String
LikeWildcardSingle: String
SpecialCharsInPropertyName: String
StringComparisonCase: Boolean
SupportedClauses: IStringArray
SupportedPredicates: IStringArray
ISQLSyntaxInfo
esriSystem.IPersist
esriSystem.IPersistStream
esriSystem.IXMLSerialize
IdentifyObject
IdentifyObj
IMapServerIdentifyObject
CacheInfo
ICacheInfo : IUnknown
TileCacheInfo: ITileCacheInfo
TileImageInfo: ITileImageInfo
ICacheInfo
esriSystem.IDocumentVersionSupportGEN
esriSystem.IPersist
esriSystem.IPersistStream
esriSystem.IXMLSerialize
esriSystem.IXMLVersionSupport
ICacheInfo2
TileImageInfo
ITileImageInfo : IUnknown
CompressionQuality: Long
Format: String
ITileImageInfo
esriSystem.IDocumentVersionSupportGEN
esriSystem.IPersist
esriSystem.IPersistStream
esriSystem.IXMLSerialize
esriSystem.IXMLVersionSupport
ITileImageInfo2
ITileImageInfo2 : ITileImageInfo
Antialiasing: Boolean
ITileImageInfo2
esriSystem.IXMLSerialize
esriSystem.IXMLVersionSupport
TileCacheInfo
ITileCacheInfo : IUnknown
Dpi: Long
LODInfos: ILODInfos
Origin: IPoint
SpatialReference: ISpatialReference
TileCols: Long
TileRows: Long
ComputeResolutions
ComputeScales
ITileCacheInfo
esriSystem.IPersist
esriSystem.IPersistStream
esriSystem.IXMLSerialize
esriSystem.IXMLVersionSupport
LODInfos
ILODInfos : IUnknown
Count: Long
Element (in Index: Long): ILODInfo
Add (in pLODInfo: ILODInfo)
Insert (in Index: Long, in pLODInfo: ILODInfo)
Remove (in Index: Long)
RemoveAll
ILODInfos
esriSystem.IPersist
esriSystem.IPersistStream
esriSystem.IXMLSerialize
esriSystem.IXMLVersionSupport
LODInfo
ILODInfo : IUnknown
LevelID: Long
Resolution: Double
Scale: Double
ILODInfo
esriSystem.IPersist
esriSystem.IPersistStream
esriSystem.IXMLSerialize
esriSystem.IXMLVersionSupport
CacheControlInfo
ICacheControlInfo : IUnknown
ClientCachingAllowed: Boolean
ICacheControlInfo
esriSystem.IDocumentVersionSupportGEN
esriSystem.IPersist
esriSystem.IPersistStream
esriSystem.IXMLSerialize
esriSystem.IXMLVersionSupport
CacheDescriptionInfo
ICacheDescriptionInfo : IUnknown
CacheType: esriCacheMapServiceType
TileCacheInfo: ITileCacheInfo
TileCacheInfo: ITileCacheInfo
TileImageInfo: ITileImageInfo
ICacheDescriptionInfo
esriSystem.IDocumentVersionSupportGEN
esriSystem.IPersist
esriSystem.IPersistStream
esriSystem.IXMLSerialize
esriSystem.IXMLVersionSupport
ICacheDescriptionInfo2
LayerCacheInfos
ILayerCacheInfos : IUnknown
Count: Long
Element (in Index: Long): ILayerCacheInfo
Add (in pLayerCacheInfo: ILayerCacheInfo)
Insert (in Index: Long, in pLayerCacheInfo: ILayerCacheInfo)
Remove (in Index: Long)
RemoveAll
ILayerCacheInfos
esriSystem.IPersist
esriSystem.IPersistStream
esriSystem.IXMLSerialize
esriSystem.IXMLVersionSupport
LayerCacheInfo
ILayerCacheInfo : IUnknown
MaxCache: Boolean
ID: Long
ILayerCacheInfo
esriSystem.IDocumentVersionSupportGEN
esriSystem.IPersist
esriSystem.IPersistStream
esriSystem.IXMLSerialize
esriSystem.IXMLVersionSupport
MapServerConfigurationFactory
IConfigurationFactory3 : IConfigurationFactory2
OnResume (in pAdmin: IServerObjectAdmin, in props: IPropertySet): IPropertySet
IConfigurationFactory2 : IConfigurationFactory
BeforeStart (in pAdmin: IServerObjectAdmin, in props: IPropertySet)
BeforeStop (in pAdmin: IServerObjectAdmin, in props: IPropertySet)
OnResume (in pAdmin: IServerObjectAdmin, in props: IPropertySet)
OnStart (in pAdmin: IServerObjectAdmin, in props: IPropertySet)
OnStop (in pAdmin: IServerObjectAdmin, in props: IPropertySet)
IConfigurationFactory : IUnknown
OnAdd (in pAdmin: IServerObjectAdmin, in props: IPropertySet): IPropertySet
OnRemove
OnStart (in pAdmin: IServerObjectAdmin, in props: IPropertySet)
OnStop (in pAdmin: IServerObjectAdmin, in props: IPropertySet)
esriSystem.IConfigurationFactory3
esriSystem.IXMLSerialize
esriSystem.IXMLVersionSupport
esriSystem.IConfigurationFactory2
esriSystem.IXMLSerialize
esriSystem.IXMLVersionSupport
esriServer.IConfigurationFactory
esriSystem.IXMLSerialize
esriSystem.IXMLVersionSupport
LayerDrawingDescriptions
LayerDrawingDescriptions : IUnknown
Count: Long
Element (in Index: Long): ILayerDrawingDescription
Add (in pLayerDrawingDescription: ILayerDrawingDescription)
Insert (in Index: Long, in pLayerDrawingDescription: ILayerDrawingDescription)
Remove (in Index: Long)
RemoveAll
ILayerDrawingDescriptions
esriSystem.IPersist
esriSystem.IPersistStream
esriSystem.IXMLSerialize
esriSystem.IXMLVersionSupport
LayerDrawingDescription
LayerDrawingDescription : IUnknown
ILayerDrawingDescription
IXMLSerialize
IPersistStream
IPersist
LayerDrawingDescriptionFactory
LayerDrawingDescriptionFactory : IUnknown
CanDraw (in pLayer: ILayer): Boolean
CreateLayerDrawingDescription (in pLayer: ILayer): ILayerDrawingDescription
ILayerDrawingDescriptionFactory
RasterLayerDrawingDescription
RasterLayerDrawingDescription : IUnknown
RasterRenderer: IRasterRenderer
IRasterLayerDrawingDescription
RasterLayerDrawingDescriptionFactory
FeatureLayerDrawingDescriptionFactory
FeatureLayerDrawingDescription
IFeatureLayerDrawingDescription2 : IUnknown
FeatureRenderer: IFeatureRenderer
LabelingDescription: ILabelingDescription
ScaleSymbols: Boolean
SourceLayerID: Long
IFeatureLayerDrawingDescription
IFeatureLayerDrawingDescription2
IXMLSerialize
IPersistStream
IPersist
ILayerEffects
LabelClassDescriptions
ILabelClassDescriptions : IUnknown
Count: Long
Element (in Index: Long): ILabelClassDescription
Add (in pLabelClassDescription: ILabelClassDescription)
Insert (in Index: Long, in pLabelClassDescription: ILabelClassDescription)
Remove (in Index: Long)
RemoveAll
ILabelClassDescriptions
IXMLSerialize
IPersistStream
IPersist
IXMLVersionSupport
LabelClassDescription
ILabelClassDescription : IUnknown
ILabelClassDescription
ILabelClassDescription2 : IUnknown
ExpressionType: esriLabelExpressionType
MaximumScale: Double
MinimumScale: Double
SymbolName: String
UseDatabaseValue: Boolean
WhereClause: String
ILabelClassDescription
IXMLSerialize
IPersistStream
IPersist
IXMLVersionSupport
IDocumentVersionSupportGEN
LabelingDescription
ILabelingDescription : IUnknown
LabelClassDescriptions: ILabelClassDescriptions
ILabelingDescription
IXMLSerialize
IPersistStream
IPersist
IXMLVersionSupport
IDocumentVersionSupportGEN
LabelPlacementDescription
ILabelPlacementDescription : IUnknown
PageLocation: IEnvelope
ILabelPlacementDescription
IXMLSerialize
IPersistStream
IPersist
IXMLVersionSupport
IDocumentVersionSupportGEN
ServerObject in Server
MapServer
IMapServer : IUnknown
DefaultMapName: String
DocumentInfo: IPropertySet
MapCount: Long
MapName (in Index: Long): String
ServerConfigurationInfo: IPropertySet
ComputeDistance (in MapName: String, in fromPoint: IPoint, in toPoint: IPoint, in pUnits: esriUnits): Double
ComputeScale (in mapDesc: IMapDescription, in mapDisplay: IImageDisplay): Double
ExportMapImage (in mapDesc: IMapDescription, in imageDesc: IImageDescription): IMapImage
ExportScaleBar (in ScaleBar: IScaleBar, in mapDesc: IMapDescription, in pMapDisplay: IImageDisplay, in BackgroundColor: IColor, in mapDesc: IImageDescription): IImageResult
Find (in mapDesc: IMapDescription, in pProps: IFindProperties, in searchString: String, in toContains: Boolean, in searchFields: String, in spatialRefForSearchShape: ISpatialReference, in searchShape: IGeometry): IMapServerFindResults
FromMapPoints (in MapDescription: IMapDescription, in mapDisplay: IImageDisplay, in mapPoints: IPointCollection, in screenValues: ILongArray, in layerIDs: ILongArray, in layersInValues: ILongArray): IArrayOfLongArrays
GetDefaultLayerDrawingDescriptions (in MapName: String, in pLayerIDs: ILongArray, in pLayerNames: IStringArray, in ServerSymbolOutputOptions): ILayerDrawingDescriptions
GetDefaultMapDrawingDescriptions (in MapName: String, in pLayerIDs: ILongArray): IMapTableSubtypeInfos
GetServerInfo (in MapName: String): IMapServerInfo
GetSQLSyntaxInfo (in MapName: String, in pLayerIDs: ILongArray): ISQLSyntaxInfo
GetSupportedImageReturnTypes: esriImageReturnType
HitTest (in mapDesc: IMapDescription, in mapImage: IImageDisplay, in searchShape: IGeometry, in Tolerance: Long, in pOptions: esriIdentifyOption, in layerIDs: ILongArray): IMapServerHitTestResults
QueryAttachmentData (in MapName: String, in TableID: Long, in attachmentIDs: ILongArray, in TransportType: esriTransportType): IMapAttachmentDataset
QueryAttachmentInfos (in MapName: String, in TableID: Long, in rowIDs: ILongArray): IMapAttachmentInfos
QueryData (in MapName: String, in pMapTableDescription: IMapTableDescription, in Filter: IQueryFilter, in options: IPropertySet): IMapTableDataset
QueryFeatureCount (in MapName: String, in pLayerDrawingDescription: ILayerDrawingDescription, in Filter: IQueryFilter): Long
QueryFeatureCount2 (in MapName: String, in pLayerDrawingDescription: ILayerDrawingDescription, in Filter: IQueryFilter): Long
QueryFeatureData (in MapName: String, in pLayerDrawingDescription: ILayerDrawingDescription, in Filter: IQueryFilter, in RecycleBin: IMemoryBlobStream): IQueryFeatureBuffer
QueryFeatureIDs (in MapName: String, in LayerID: Long, in Filter: IQueryFilter): ILongArray
QueryFeatureIDs2 (in MapName: String, in pLayerDrawingDescription: ILayerDrawingDescription, in Filter: IQueryFilter): IFIDSet
QueryFeatureIDs3 (in MapName: String, in TableID: Long, in pWhereClause: IQueryFilter): ILongArray
QueryHyperlinks (in mapDesc: IMapDescription, in mapImage: IImageDisplay, in searchShape: IGeometry): IMapServerHyperlinks
QueryRasterValue (in MapName: String, in layerIdentifier: Long, in rowOrID: ILongArray, in PartName: String, in bUseColumnID: Boolean): IArrayOfVariants
QueryRelatedRecords (in MapName: String, in pMapTableDescription: IMapTableDescription, in pRelDescription: IRelationDescription): QueryResult
QueryRowCount (in MapName: String, in pMapTableDescription: IMapTableDescription, in Filter



Carto Object Model Feature Service

Esri® ArcGIS® 10.5

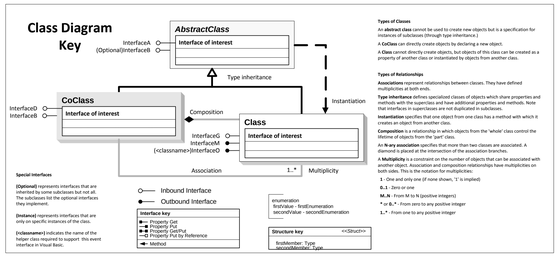
Copyright © 1999-2017 Esri. All rights reserved. Esri, ArcGIS, ArcObjects, and ArcMap are trademarks, registered trademarks, or service marks of Esri in the United States, the European Community, or certain other jurisdictions.

Enumerations

esriFeatureEditTool
0 - esriFeatureEditToolNone
1 - esriFeatureEditToolPoint
2 - esriFeatureEditToolLine
3 - esriFeatureEditToolPolygon
4 - esriFeatureEditToolAutoCompletePolygon
5 - esriFeatureEditToolCircle
6 - esriFeatureEditToolEllipse
7 - esriFeatureEditToolRectangle
8 - esriFeatureEditToolTriangle
9 - esriFeatureEditToolAutoCompleteFreehand

esriGraphicFeatureServerErrors
-21472114 - GFS_E_INVALID_PARAMETER
-21472114:0 - GFS_E_UNSUPPORTED_DATASOURCE_TYPE
-21472114:1 - GFS_E_NOLAYER_OR_TABLE_INITIALIZED
-21472114:00 - GFS_E_LAYER_TABLE_NOT_EDITABLE
-21472113:99 - GFS_E_FEATURE_UPDATE_FAILED_MISSING_M_VALUES
-21472113:98 - GFS_E_FEATURE_GEOMETRY_PUT_FAILED_FAILED_MISSING_Z_VALUES
-21472113:97 - GFS_E_EDITOR_TRACKING_TIMESTAMPS_IN_UTC_AND_DATABASETIME_ERROR
-21472113:96 - GFS_E_MISSING_EDITOR_TRACKING_TIMEZONE_ERROR

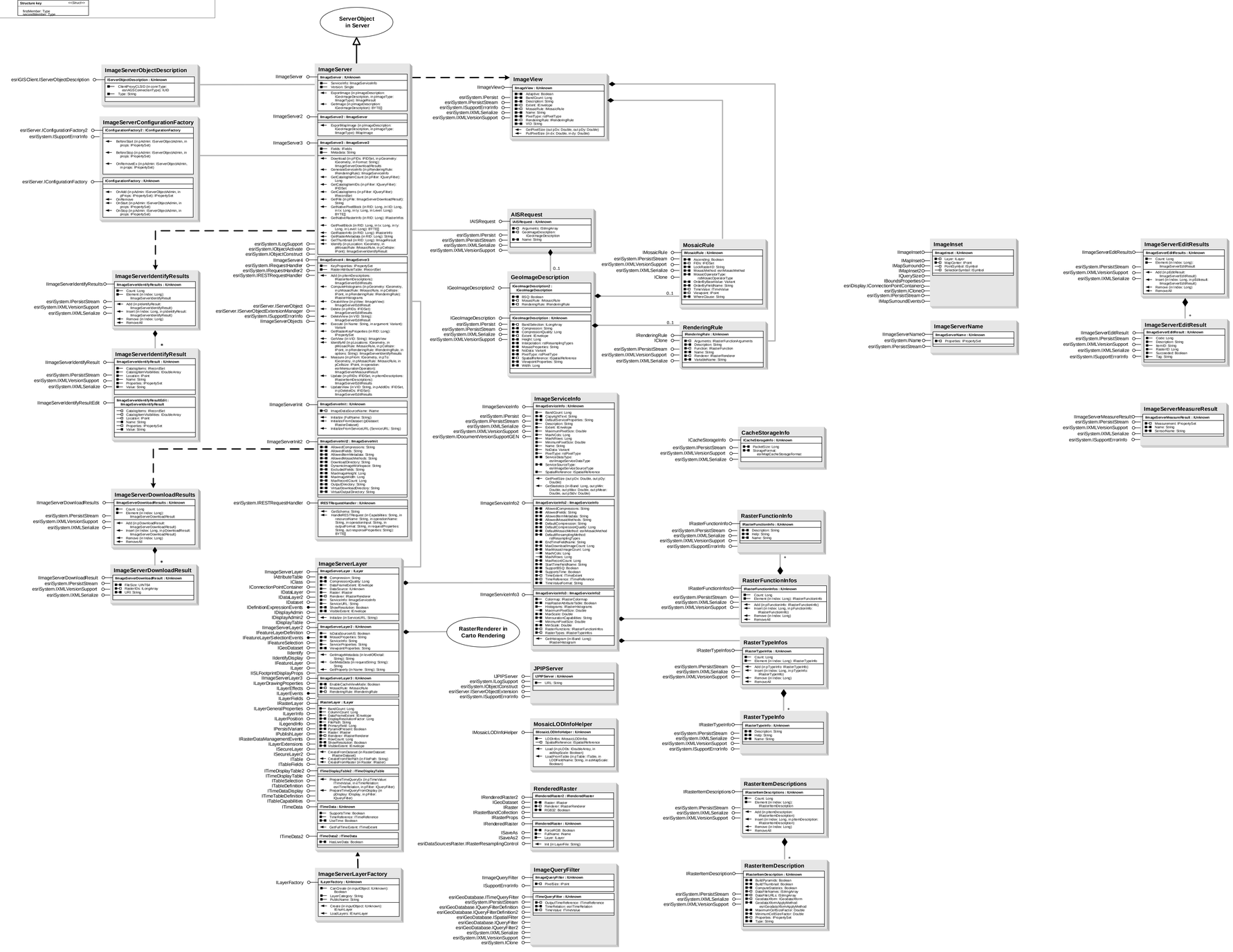
esriGraphicFeatureServerMsgCodeEnum
17000 - esriGraphicFeatureServerMessageCode_ErrorMessage
17001 - esriGraphicFeatureServerMessageCode_WarningMessage
17002 - esriGraphicFeatureServerMessageCode_InfoMessage
17003 - esriGraphicFeatureServerMessageCode_DebugMessage
17004 - esriGraphicFeatureServerMessageCode_ConstructStarted
17005 - esriGraphicFeatureServerMsgCode_InvalidLicense
17006 - esriGraphicFeatureServerMsgCode_ConstructFailed
17007 - esriGraphicFeatureServerMsgCode_MixedEditingModesNotAllowed
17008 - esriGraphicFeatureServerMsgCode_RequestNotSupported
17009 - esriGraphicFeatureServerMsgCode_CapabilityNotSupported
17010 - esriGraphicFeatureServerMsgCode_TableLayerIDNotFound
17011 - esriGraphicFeatureServerMsgCode_TableLayerDoesNotSupportAttachments
17013 - esriGraphicFeatureServerMessageCode_NonGISDataUsed
17014 - esriGraphicFeatureServerMsgCode_ErrorCreatingEnvError
17014 - esriGraphicFeatureServerMessageCode_DefaultDbaseBeingUsed
17015 - esriGraphicFeatureServerMsgCode_MissingParameter
17016 - esriGraphicFeatureServerMsgCode_InvalidLayerOrTableID
17017 - esriGraphicFeatureMsgCode_MessageInAnval_Add
17018 - esriGraphicFeatureMsgCode_MessageInAnval_Add
17019 - esriGraphicFeatureMsgCode_MessageInAnval_AddAttachments
17020 - esriGraphicFeatureMsgCode_MessageInAnval_AddAttachments
17021 - esriGraphicFeatureMsgCode_MessageInAnval_ApplyEdits
17022 - esriGraphicFeatureMsgCode_MessageInAnval_ApplyEdits
17023 - esriGraphicFeatureMsgCode_MessageInAnval_Delete
17024 - esriGraphicFeatureMsgCode_MessageInAnval_Delete
17025 - esriGraphicFeatureMsgCode_MessageInAnval_DeleteAttachments
17026 - esriGraphicFeatureMsgCode_MessageInAnval_DeleteAttachments
17027 - esriGraphicFeatureMsgCode_MessageInAnval_DeleteByID
17028 - esriGraphicFeatureMsgCode_MessageInAnval_DeleteByID
17029 - esriGraphicFeatureMsgCode_MessageInAnval_GetCount
17030 - esriGraphicFeatureMsgCode_MessageInAnval_GetCount
17031 - esriGraphicFeatureMsgCode_MessageInAnval_GetLayers
17032 - esriGraphicFeatureMsgCode_MessageProcessed_GetLayers
17033 - esriGraphicFeatureMsgCode_MessageProcessed_GetServiceObjectCount
17034 - esriGraphicFeatureMsgCode_MessageProcessed_GetServiceObjectCount
17035 - esriGraphicFeatureMsgCode_MessageInAnval_GetTables
17036 - esriGraphicFeatureMsgCode_MessageInAnval_GetTables
17037 - esriGraphicFeatureMsgCode_MessageInAnval_Query
17038 - esriGraphicFeatureMsgCode_MessageProcessed_Query
17039 - esriGraphicFeatureMsgCode_MessageInAnval_QueryAttachmentData
17040 - esriGraphicFeatureMsgCode_MessageProcessed_QueryAttachmentData
17041 - esriGraphicFeatureMsgCode_MessageInAnval_QueryAttachmentIDs
17042 - esriGraphicFeatureMsgCode_MessageProcessed_QueryAttachmentIDs
17043 - esriGraphicFeatureMsgCode_MessageInAnval_QueryFromService
17044 - esriGraphicFeatureMsgCode_MessageProcessed_QueryFromService
17045 - esriGraphicFeatureMsgCode_MessageInAnval_QueryHTMLPopups
17046 - esriGraphicFeatureMsgCode_MessageProcessed_QueryHTMLPopups
17047 - esriGraphicFeatureMsgCode_MessageInAnval_QueryIDs
17048 - esriGraphicFeatureMsgCode_MessageProcessed_QueryIDs
17049 - esriGraphicFeatureMsgCode_MessageInAnval_QueryRelatedObjects
17050 - esriGraphicFeatureMsgCode_MessageProcessed_QueryRelatedObjects
17051 - esriGraphicFeatureMsgCode_MessageInAnval_Update
17052 - esriGraphicFeatureMsgCode_MessageProcessed_Update
17053 - esriGraphicFeatureMsgCode_MessageInAnval_UpdateAttachments
17054 - esriGraphicFeatureMsgCode_MessageProcessed_UpdateAttachments
17055 - esriGraphicFeatureMsgCode_MessageInAnval_CreateReplica
17056 - esriGraphicFeatureMsgCode_MessageProcessed_CreateReplica
17057 - esriGraphicFeatureMsgCode_MessageInAnval_ExportReplicaDataChanges
17058 - esriGraphicFeatureMsgCode_MessageProcessed_ExportReplicaDataChanges
17059 - esriGraphicFeatureMsgCode_MessageInAnval_GetReplicas
17060 - esriGraphicFeatureMsgCode_MessageProcessed_GetReplicas
17061 - esriGraphicFeatureMsgCode_MessageInAnval_ImportReplicaDataChanges
17062 - esriGraphicFeatureMsgCode_MessageProcessed_ImportReplicaDataChanges
17063 - esriGraphicFeatureMsgCode_MessageInAnval_UnregisterReplica
17064 - esriGraphicFeatureMsgCode_MessageProcessed_UnregisterReplica
17065 - esriGraphicFeatureMsgCode_MessageInAnval_AlterReplica
17066 - esriGraphicFeatureMsgCode_MessageProcessed_AlterReplica
17067 - esriGraphicFeatureMsgCode_MessageInAnval_SetLayerTableAndUIdisable
17068 - esriGraphicFeatureMsgCode_MessageProcessed_SetLayerTableAndUIdisable
17069 - esriGraphicFeatureMsgCode_MessageInAnval_ErrorMissingTables
17070 - esriGraphicFeatureMsgCode_MessageInAnval_ErrorMissingQueryCriteria
17071 - esriGraphicFeatureMsgCode_MessageInAnval_DeleteDataMapping
17072 - esriGraphicFeatureMsgCode_MessageProcessed_GetServerInfo
17073 - esriGraphicFeatureMsgCode_MessageInAnval_GetServerInfo
17074 - esriGraphicFeatureMsgCode_CfgFactory_OnRemoveEx0Exp
17075 - esriGraphicFeatureMsgCode_CfgFactory_NotInputsDir
17076 - esriGraphicFeatureMsgCode_CfgFactory_InvalidInputsDir
17077 - esriGraphicFeatureMsgCode_CfgFactory_NoCleanupRequired
17078 - esriGraphicFeatureMsgCode_CfgFactory_CleanupFailed
17079 - esriGraphicFeatureMsgCode_CfgFactory_MapServerConfigPropsMissing
17080 - esriGraphicFeatureMsgCode_CfgFactory_DataInfo
17081 - esriGraphicFeatureMsgCode_CfgFactory_CleanupRequired
17082 - esriGraphicFeatureMsgCode_CfgFactory_CleanupFinished



Carto Object Model
Image Server

Esri® ArcGIS® 10.5

Copyright © 1999-2017 Esri. All rights reserved. Esri, ArcGIS, ArcObjects, and ArcMap are trademarks, registered trademarks, or service marks of Esri in the United States, the European Community, or certain other jurisdictions.



Enumerations

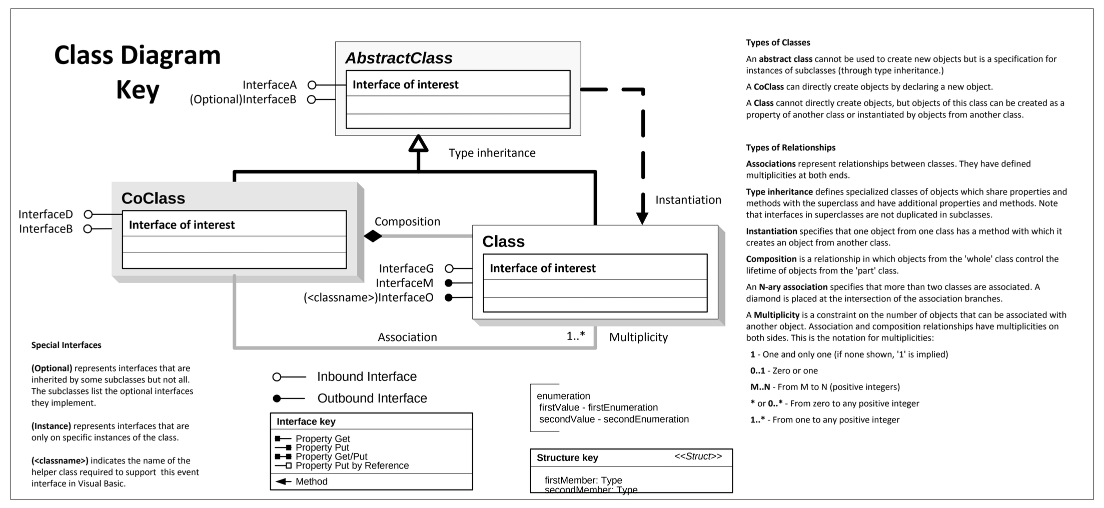
```
esriMapCacheStorageFormat
0 - esriMapCacheStorageModeCompact
1 - esriMapCacheStorageModeExploded

esriImageServerErrNos
-2147216896 - E_IMAGESERVER_NO_AIS_CONNECTION
-2147216895 - E_IMAGESERVER_FAILED_TO_GETIMAGE
-2147216894 - E_IMAGESERVER_UNSUPPORTED_OPERATION
-2147216893 - E_IMAGESERVER_UNSUPPORTED_REQUEST
-2147216892 - E_IMAGESERVER_UNSUPPORTED_FORMAT
-2147216891 - E_IMAGESERVER_NO_FILE
-2147216890 - E_IMAGESERVER_JPIP_NOT_LICENSED
-2147216889 - E_IMAGESERVER_FAILED_TO_CREATE_WORKSPACE
-2147216888 - E_IMAGESERVER_INVALID_FUNCTION_DATASET
-2147216887 - E_IMAGESERVER_NOT_ALLOW_FUNCTION
-2147216886 - E_IMAGESERVER_CANT_MEASURE_HEIGHT
-2147216885 - E_IMAGESERVER_CANT_MEASURE_SHADOW
-2147216884 - E_IMAGESERVER_FAILED_TO_EXPORTIMAGE
-2147216883 - E_IMAGESERVER_FAILED_TO_CREATE_VIEW
-2147216882 - E_IMAGESERVER_FAILED_TO_IDENTIFY
-2147216881 - E_IMAGESERVER_INVALID_VIEW_ID
-2147216880 - E_IMAGESERVER_NO_PERMISSION
-2147216879 - E_IMAGESERVER_VIEW_DOESNT_EXIST
-2147216878 - E_IMAGESERVER_CANT_MEASURE_3D
-2147216877 - E_IMAGESERVER_CANT_ACQUIRE_TILE_LOCK
-2147216876 - E_IMAGESERVER_CANT_ACCESS_RASTERID

esriImageServerMessageCodeEnum
80001 - esriImageServerMessageCode_ImageServerFailed
80002 - esriImageServerMessageCode_ImageServerXMLError
80003 - esriImageServerMessageCode_ImageServerStarted
80004 - esriImageServerMessageCode_ImageServerDebug
80005 - esriImageServerMessageCode_ImageServerConfig
80006 - esriImageServerMessageCode_ImageServerUnknownRequest
80007 - esriImageServerMessageCode_CapabilityUnsupported
80008 - esriImageServerMessageCode_ImageServerStopped
80012 - esriImageServerMessageCode_ImageServerGetServiceInfo
80014 - esriImageServerMessageCode_ImageServerGetImage
80016 - esriImageServerMessageCode_ImageServerExportImage
80017 - esriImageServerMessageCode_ImageServerExportMapImage
80018 - esriImageServerMessageCode_ImageServerExecuteAISRequest
80019 - esriImageServerMessageCode_ImageServerGetPixelBlock
80020 - esriImageServerMessageCode_ImageServerIdentify
80021 - esriImageServerMessageCode_ImageServerStart
80022 - esriImageServerMessageCode_ImageServerStop
80023 - esriImageServerMessageCode_ImageServerComputeHistograms
80024 - esriImageServerMessageCode_ImageServerIdentify
80025 - esriImageServerMessageCode_ImageServerCache

esriImageServiceDataType
0 - esriImageServiceDataTypeGeneric
1 - esriImageServiceDataTypeRGB
2 - esriImageServiceDataTypeElevation
3 - esriImageServiceDataTypeThematic
4 - esriImageServiceDataTypeProcessed

esriImageServiceSourceTytpe
0 - esriImageServiceSourceTypeDataset
1 - esriImageServiceSourceTypeLayer
2 - esriImageServiceSourceTypeCatalog
3 - esriImageServiceSourceTypeMosaicDataset

esriISLFootprintDisplayOptEnum
0 - esriISLFootprintDisplayAll
1 - esriISLFootprintDisplayPrimaryOnly

esriMensurationOperation
0 - esriMensurationPoint
1 - esriMensurationDistanceAndAngle
2 - esriMensurationAreaAndPerimeter
3 - esriMensurationHeightFromBaseAndTop
4 - esriMensurationHeightFromBaseAndTopShadow
5 - esriMensurationHeightFromTopAndTopShadow
6 - esriMensurationCentroid
7 - esriMensurationPointDD
8 - esriMensurationDistanceAndAngle3D
9 - esriMensurationAreaAndPerimeter3D
10 - esriMensurationCentroidDD
```

Carto Object Model

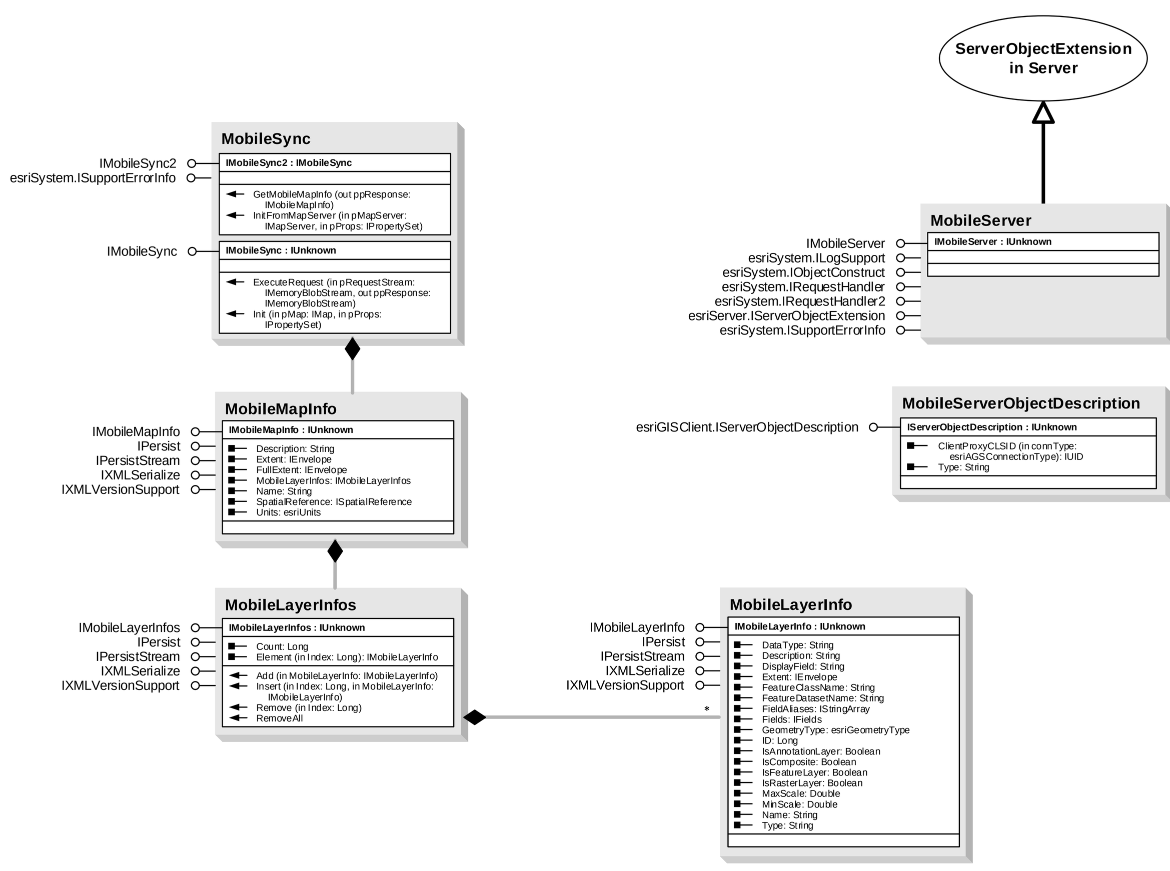
Mobile, WMS, and WCS Servers

Esri® ArcGIS® 10.5

Copyright © 1999-2017 Esri. All rights reserved. Esri, ArcGIS, ArcObjects, and ArcMap are trademarks, registered trademarks, or service marks of Esri in the United States, the European Community, or certain other jurisdictions.



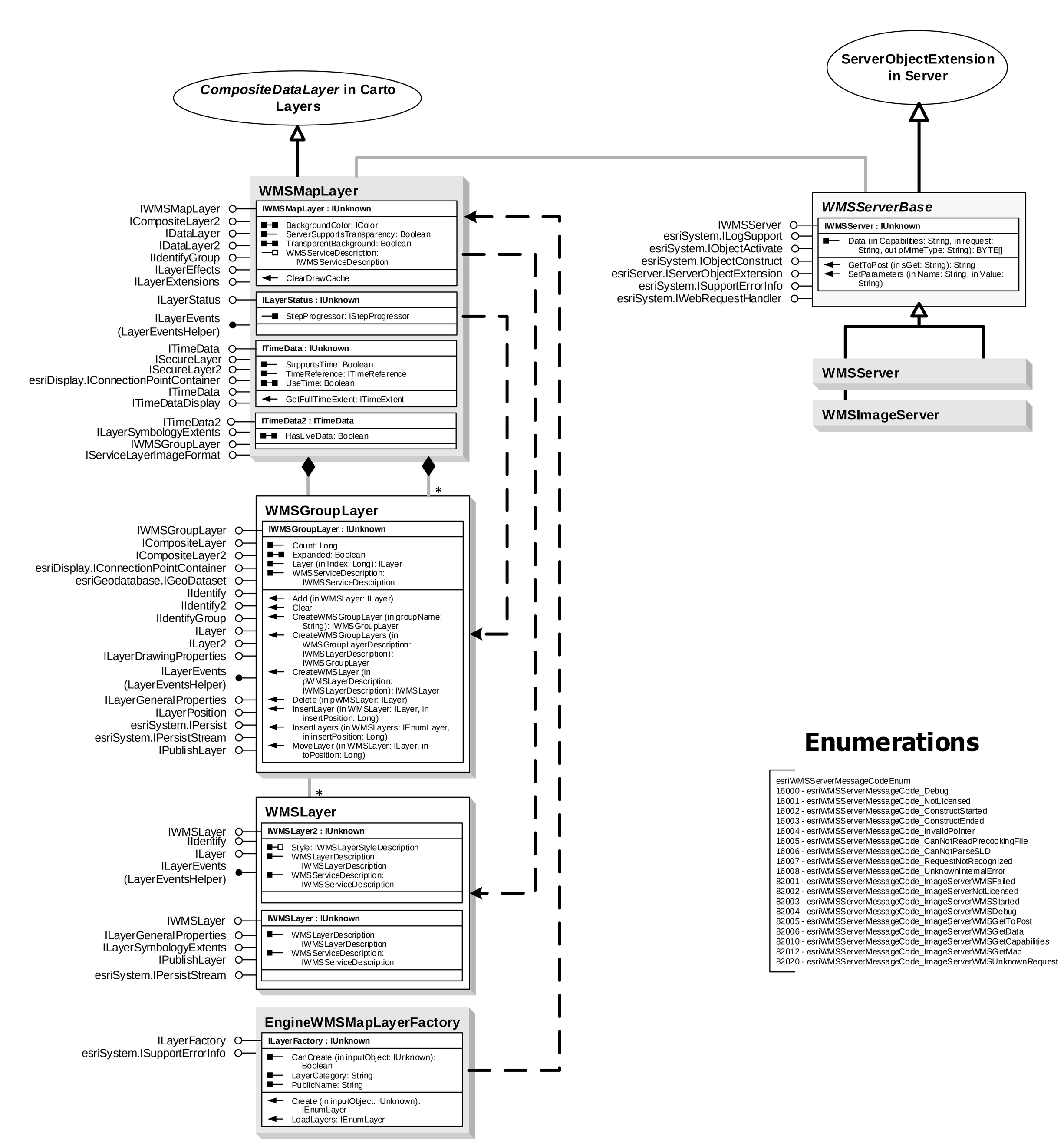
Mobile Server



Enumerations

esriMobileServerMessageCodeEnum
11001 - esriMobileServerMessageCode_MissingParameter
11002 - esriMobileServerMessageCode_InvalidParameter
11003 - esriMobileServerMessageCode_NotLicensed
11004 - esriMobileServerMessageCode_ImportFromMemoryFailure
11005 - esriMobileServerMessageCode_InvalidServerObject
11006 - esriMobileServerMessageCode_ObjectInitializationFailure
11007 - esriMobileServerMessageCode_ErrorProcessingRequest
11008 - esriMobileServerMessageCode_FindFailure
11009 - esriMobileServerMessageCode_GetBinaryFailure
11010 - esriMobileServerMessageCode_AttachToMemoryFailure
11011 - esriMobileServerMessageCode_ConstructStart
11012 - esriMobileServerMessageCode_ConstructFinish
11013 - esriMobileServerMessageCode_ExtInitSuccess
11014 - esriMobileServerMessageCode_ExtInitFailure
11015 - esriMobileServerMessageCode_SchemaLayerExtractFail
11016 - esriMobileServerMessageCode_InvalidRequest
11017 - esriMobileServerMessageCode_GetSchemaRequestError
11018 - esriMobileServerMessageCode_RequestReadFailure
11019 - esriMobileServerMessageCode_InvalidClientChecksum
11020 - esriMobileServerMessageCode_FatalServerError
11021 - esriMobileServerMessageCode_UnsupportedRequestName
11022 - esriMobileServerMessageCode_DBFieldMappingMismatch
11023 - esriMobileServerMessageCode_UseOfInvalidPointer
11024 - esriMobileServerMessageCode_NoExistingChecksumForVersion
11025 - esriMobileServerMessageCode_SettingDefaultClientVersion
11026 - esriMobileServerMessageCode_ClientServerVersions
11027 - esriMobileServerMessageCode_ClientVersionUnderBaseline
11028 - esriMobileServerMessageCode_ClientVersionReduction
11029 - esriMobileServerMessageCode_FlushUpdatesFailure
11030 - esriMobileServerMessageCode_GetFeatureCountFailure
11031 - esriMobileServerMessageCode_GetFeaturesFailure
11032 - esriMobileServerMessageCode_DownloadFeaturesFailure
11033 - esriMobileServerMessageCode_GetRasterTilesFailure
11034 - esriMobileServerMessageCode_CreateVersionFailure
11035 - esriMobileServerMessageCode_CloseVersionFailure
11036 - esriMobileServerMessageCode_UploadFeaturesFailure
11037 - esriMobileServerMessageCode_ServerVersionReduction
11038 - esriMobileServerMessageCode_SpatialReferenceDefault
11039 - esriMobileServerMessageCode_InvalidProperty
11040 - esriMobileServerMessageCode_FailedToSyncAttachInfos
11042 - esriMobileServerMessageCode_UnderlyingError
11043 - esriMobileServerMessageCode_DeleteCountMismatch
11044 - esriMobileServerMessageCode_InvalidLayerIndex
11045 - esriMobileServerMessageCode_InvalidFeatureLayer
11046 - esriMobileServerMessageCode_FailedToGetFeatureCursor
11047 - esriMobileServerMessageCode_FailedRetrievingSyncItems
11048 - esriMobileServerMessageCode_InvalidRasterLayer
11049 - esriMobileServerMessageCode_InvalidLayerCount
11050 - esriMobileServerMessageCode_LayerNotEditable
11051 - esriMobileServerMessageCode_FailedToGetVersionFeatureClass
11052 - esriMobileServerMessageCode_InvalidWorkspaceIndex
11053 - esriMobileServerMessageCode_InvalidVersionedWorkspace
11054 - esriMobileServerMessageCode_VersionAlreadyExists
11055 - esriMobileServerMessageCode_InvalidParentVersion
11056 - esriMobileServerMessageCode_FailedToCreateVersion
11057 - esriMobileServerMessageCode_InvalidChildVersion
11058 - esriMobileServerMessageCode_FailedToStartEditingWorkspace
11059 - esriMobileServerMessageCode_RequestedVersionNotFound
11060 - esriMobileServerMessageCode_InvalidDecomposedQuery
11061 - esriMobileServerMessageCode_FailedToCompressToJPEG
11062 - esriMobileServerMessageCode_FileNotFound
11063 - esriMobileServerMessageCode_FileAccessDenied
11064 - esriMobileServerMessageCode_FileInvalid
11065 - esriMobileServerMessageCode_DirectoryNotFound
11066 - esriMobileServerMessageCode_DirectoryAccessDenied
11067 - esriMobileServerMessageCode_DirectoryInvalid
11068 - esriMobileServerMessageCode_FileInvalidOrAccessDenied
11069 - esriMobileServerMessageCode_DirectoryInvalidOrAccessDenied
11070 - esriMobileServerMessageCode_InvalidServerEnvironment
11071 - esriMobileServerMessageCode_InvalidURLUseMIME
11072 - esriMobileServerMessageCode_ExportMapImageFailed
11073 - esriMobileServerMessageCode_PrepareMapServerFailed
11074 - esriMobileServerMessageCode_InvalidWorkspace
11075 - esriMobileServerMessageCode_DownloadAttachmentsFailure
11076 - esriMobileServerMessageCode_NoOutputDirectory
11077 - esriMobileServerMessageCode_InvalidExtentType
11078 - esriMobileServerMessageCode_NoRasterSupport
11079 - esriMobileServerMessageCode_CoreClassCreateFail
11080 - esriMobileServerMessageCode_FailedToCreateSchema
11081 - esriMobileServerMessageCode_FailedToAddField
11082 - esriMobileServerMessageCode_FailedToOpen
11083 - esriMobileServerMessageCode_InvalidExtent
11084 - esriMobileServerMessageCode_FailedToCreateDataPackage
11085 - esriMobileServerMessageCode_InvalidSpatialQueryFilter
11086 - esriMobileServerMessageCode_FailedToConvert
11087 - esriMobileServerMessageCode_SynchronizeFeatureStats
11088 - esriMobileServerMessageCode_FailedToGetRelatedAttachmentTable
11089 - esriMobileServerMessageCode_FailedToGetAttachmentInfo
11090 - esriMobileServerMessageCode_FailedToGetAttachmentData
11091 - esriMobileServerMessageCode_SynchronizeAttachmentStats
11092 - esriMobileServerMessageCode_SynchronizeAttachmentRate
11093 - esriMobileServerMessageCode_SynchronizeAttachmentInfosStats
11094 - esriMobileServerMessageCode_ImportChangesStats
11095 - esriMobileServerMessageCode_DeleteUploadDirFailure
11096 - esriMobileServerMessageCode_RowUpdateFailure
11097 - esriMobileServerMessageCode_FailedToCommitDataPackage
11098 - esriMobileServerMessageCode_InvalidGIDIndex
11099 - esriMobileServerMessageCode_InvalidVariantType
11100 - esriMobileServerMessageCode_ImportAttachmentsStats
11101 - esriMobileServerMessageCode_FailedParseParams
11102 - esriMobileServerMessageCode_FailedParseParam
11103 - esriMobileServerMessageCode_FailedParseReqParam
11104 - esriMobileServerMessageCode_FailedGenRep
11105 - esriMobileServerMessageCode_NoInserverConn
11106 - esriMobileServerMessageCode_NoArcGISServerConn
11107 - esriMobileServerMessageCode_FailedToCreateUploadsClient
11108 - esriMobileServerMessageCode_UploadedItemNotFound
11109 - esriMobileServerMessageCode_FailedToPopulateFDR
11110 - esriMobileServerMessageCode_FailedToSyncFeatures
11111 - esriMobileServerMessageCode_FailedToPopulateADR
11112 - esriMobileServerMessageCode_FailedToSyncAttach
11113 - esriMobileServerMessageCode_InvalidPolyGeometry
11114 - esriMobileServerMessageCode_FailedToRetrieveGIDs
11115 - esriMobileServerMessageCode_FailedToRetrieveRowsByGUID
11116 - esriMobileServerMessageCode_FailedToSetRowValues
11117 - esriMobileServerMessageCode_FailedToRetrieveCursor
11900 - esriMobileServerMessageCode_MobileSyncDebug

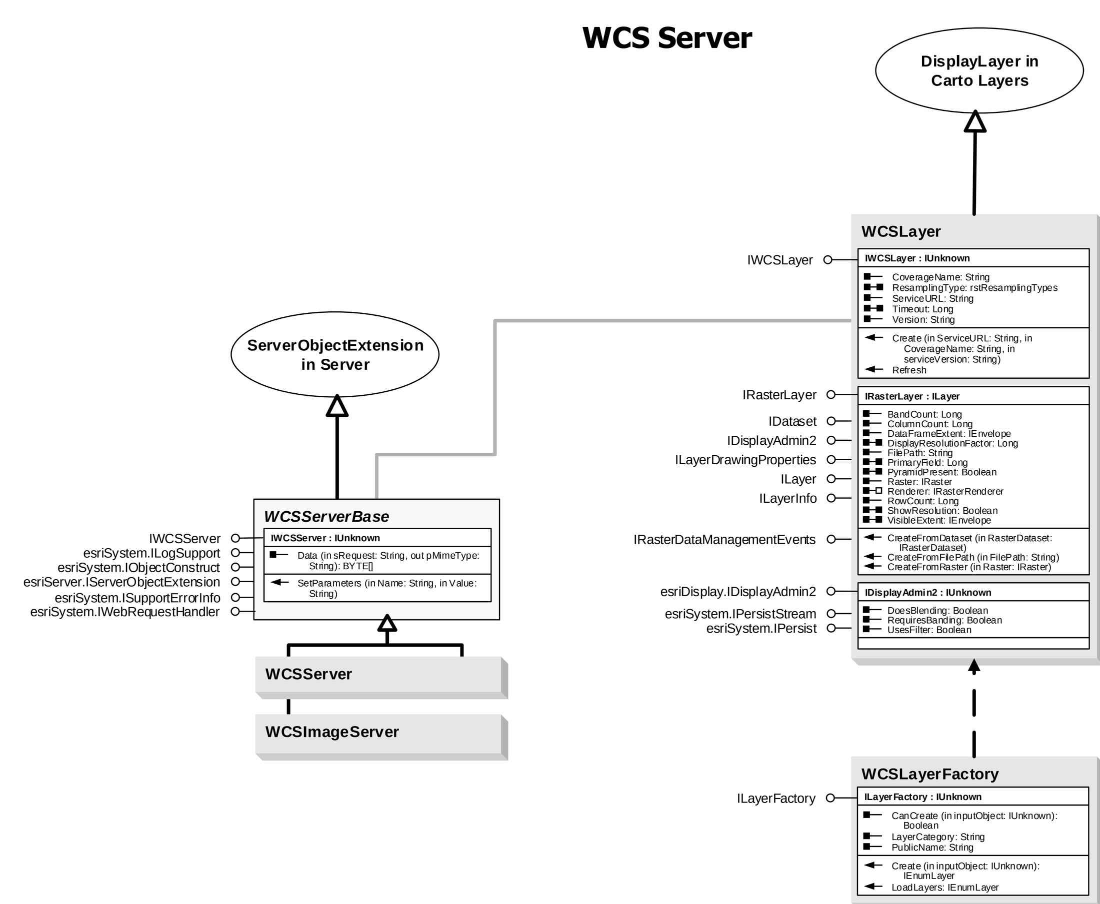
WMS Server



Enumerations

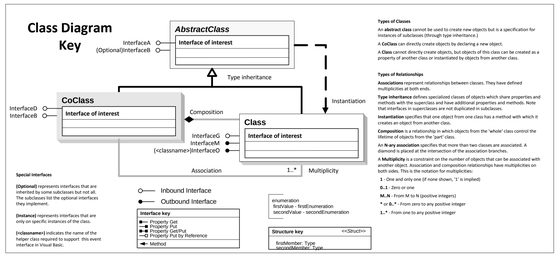
esriWMSServerMessageCodeEnum
16000 - esriWMSServerMessageCode_Debug
16001 - esriWMSServerMessageCode_NotLicensed
16002 - esriWMSServerMessageCode_ConstructStarted
16003 - esriWMSServerMessageCode_ConstructEnded
16004 - esriWMSServerMessageCode_InvalidPointer
16005 - esriWMSServerMessageCode_CanNotReadPrecookingFile
16006 - esriWMSServerMessageCode_CanNotParseSLD
16007 - esriWMSServerMessageCode_RequestNotRecognized
16008 - esriWMSServerMessageCode_UnknownInternalError
82001 - esriWMSServerMessageCode_ImageServerWMSFailed
82002 - esriWMSServerMessageCode_ImageServerNotLicensed
82003 - esriWMSServerMessageCode_ImageServerWMSStarted
82004 - esriWMSServerMessageCode_ImageServerWMSDebug
82005 - esriWMSServerMessageCode_ImageServerWMSGetToPost
82006 - esriWMSServerMessageCode_ImageServerWMSGetData
82010 - esriWMSServerMessageCode_ImageServerWMSGetCapabilities
82012 - esriWMSServerMessageCode_ImageServerWMSGetMap
82020 - esriWMSServerMessageCode_ImageServerWMSUnknownRequest

WCS Server



Enumerations

esriWCSServerMessageCodeEnum
81001 - esriWCSServerMessageCode_ImageServerWCSFailed
81002 - esriWCSServerMessageCode_ImageServerWCSNotLicensed
81003 - esriWCSServerMessageCode_ImageServerWCSStarted
81004 - esriWCSServerMessageCode_ImageServerWCSInitialized
81010 - esriWCSServerMessageCode_ImageServerWCSGetData
81012 - esriWCSServerMessageCode_ImageServerWCSGetCapabilities
81014 - esriWCSServerMessageCode_ImageServerWCSDescribeCoverage
81016 - esriWCSServerMessageCode_ImageServerWCSGetCoverage
81020 - esriWCSServerMessageCode_ImageServerWCSUnknownRequest
81030 - esriWCSServerMessageCode_ImageServerWCSParseKVP
81031 - esriWCSServerMessageCode_ImageServerWCSParseXML
81032 - esriWCSServerMessageCode_ImageServerWCSParseKVP11
81033 - esriWCSServerMessageCode_ImageServerWCSParseXML11
81034 - esriWCSServerMessageCode_ImageServerWCSParseWriteData
81040 - esriWCSServerMessageCode_ImageServerWCSInvalidCRS
81041 - esriWCSServerMessageCode_ImageServerWCSInvalidDataset
81042 - esriWCSServerMessageCode_ImageServerWCSInvalidLayer
81043 - esriWCSServerMessageCode_ImageServerWCSAISInitialized
81044 - esriWCSServerMessageCode_ImageServerWCSDatasetInitialized
81045 - esriWCSServerMessageCode_ImageServerWCSWrongPixelType
91001 - esriWCSServerMessageCode_GeoDataServerWCSFailed
91002 - esriWCSServerMessageCode_GeoDataServerWCSNotLicensed
91003 - esriWCSServerMessageCode_GeoDataServerWCSStarted
91004 - esriWCSServerMessageCode_GeoDataServerWCSInitialized
91010 - esriWCSServerMessageCode_GeoDataServerWCSGetData
91012 - esriWCSServerMessageCode_GeoDataServerWCSGetCapabilities
91014 - esriWCSServerMessageCode_GeoDataServerWCSDescribeCoverage
91016 - esriWCSServerMessageCode_GeoDataServerWCSGetCoverage
91020 - esriWCSServerMessageCode_GeoDataServerWCSUnknownRequest
91030 - esriWCSServerMessageCode_GeoDataServerWCSParseKVP
91031 - esriWCSServerMessageCode_GeoDataServerWCSParseXML
91032 - esriWCSServerMessageCode_GeoDataServerWCSParseKVP11
91033 - esriWCSServerMessageCode_GeoDataServerWCSParseXML11
91034 - esriWCSServerMessageCode_GeoDataServerWCSParseWriteData
91040 - esriWCSServerMessageCode_GeoDataServerWCSInvalidCRS
91041 - esriWCSServerMessageCode_GeoDataServerWCSInvalidDataset
91042 - esriWCSServerMessageCode_GeoDataServerWCSInvalidLayer
91043 - esriWCSServerMessageCode_GeoDataServerWCSAISInitialized
91044 - esriWCSServerMessageCode_GeoDataServerWCSDatasetInitialized
91045 - esriWCSServerMessageCode_GeoDataServerWCSWrongPixelType
15001 - esriWCSServerMessageCode_MapServerWCSFailed
15002 - esriWCSServerMessageCode_MapServerWCSNotLicensed
15003 - esriWCSServerMessageCode_MapServerWCSStarted
15004 - esriWCSServerMessageCode_MapServerWCSInitialized
15010 - esriWCSServerMessageCode_MapServerWCSGetData
15012 - esriWCSServerMessageCode_MapServerWCSGetCapabilities
15014 - esriWCSServerMessageCode_MapServerWCSDescribeCoverage
15016 - esriWCSServerMessageCode_MapServerWCSGetCoverage
15020 - esriWCSServerMessageCode_MapServerWCSUnknownRequest
15030 - esriWCSServerMessageCode_MapServerWCSParseKVP
15031 - esriWCSServerMessageCode_MapServerWCSParseXML
15032 - esriWCSServerMessageCode_MapServerWCSParseKVP11
15033 - esriWCSServerMessageCode_MapServerWCSParseXML11
15034 - esriWCSServerMessageCode_MapServerWCSParseWriteData
15040 - esriWCSServerMessageCode_MapServerWCSInvalidCRS
15041 - esriWCSServerMessageCode_MapServerWCSInvalidDataset
15042 - esriWCSServerMessageCode_MapServerWCSInvalidLayer
15043 - esriWCSServerMessageCode_MapServerWCSAISInitialized
15044 - esriWCSServerMessageCode_MapServerWCSDatasetInitialized
15045 - esriWCSServerMessageCode_MapServerWCSWrongPixelType

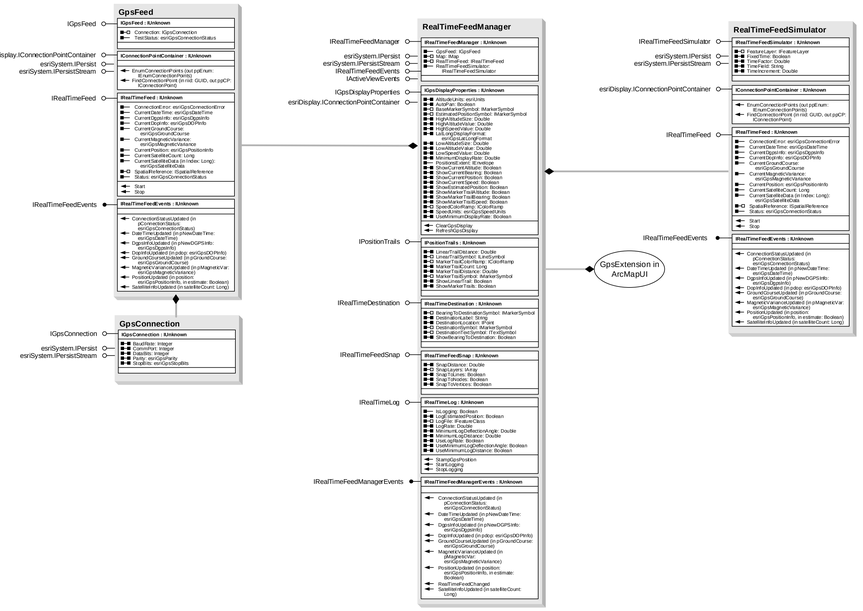


Carto Object Model
GPS Support and Dimensions

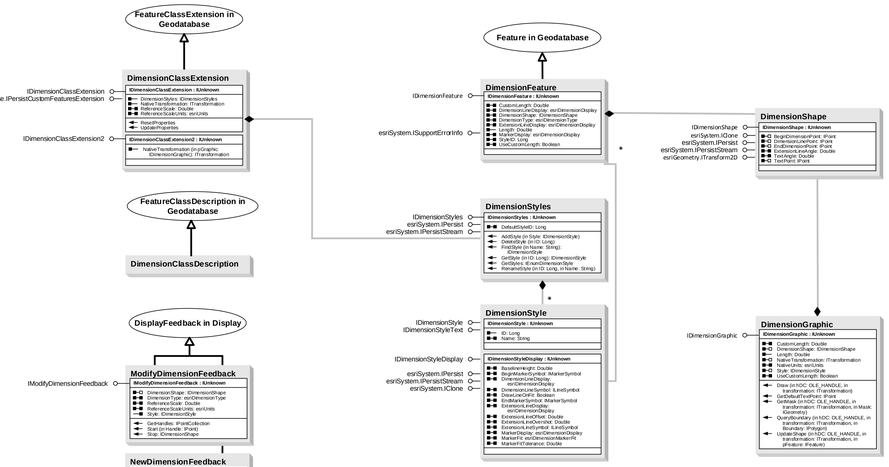
Esri® ArcGIS® 10.5

Copyright © 1999-2017 Esri. All rights reserved. Esri, ArcGIS, ArcObjects, and ArcMap are trademarks, registered trademarks, or service marks of Esri in the United States, the European Community, or certain other jurisdictions.

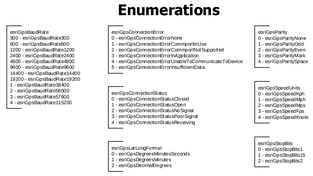
GPS Support



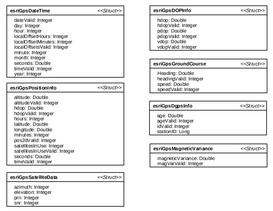
Dimensions



Enumerations

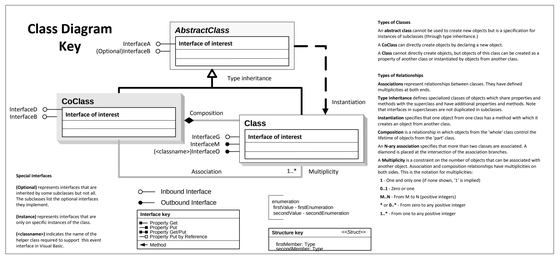


Structures



Enumerations

Interfaces



Carto Object Model
ArcIMS Layer, Symbology, and Rendering

Esri® ArcGIS® 10.5

Copyright © 1999-2017 Esri. All rights reserved. Esri, ArcGIS, ArcObjects, ArcIMS, and ArcMap are trademarks, registered trademarks, or service marks of Esri in the United States, the European Community, or certain other jurisdictions.

Enumerations

acCapType
0 - acRoundCap
1 - acButtCap
2 - acSquareCap

acGeometryType
0 - acGeometryPoint
1 - acGeometryLine
2 - acGeometryPolygon
3 - acGeometryNull

acImgType
0 - acRoundAlgin
1 - acMiterJoin
2 - acBevelJoin

acLabelMode
0 - acPerLabel
1 - acNumericOnlyLabel

acLabelWeight
0 - acNoLabelWeight
1 - acMediumLabelWeight
2 - acHighLabelWeight

acLineLabelPosition
0 - acLLPAboveAlong
1 - acLLPAboveBelow
2 - acLLPAboveOnTop
3 - acLLPBelowAlong
4 - acLLPBelowRight
5 - acLLPBelowAboveBelow
6 - acLLPBelowLeftRight
7 - acLLPBothAlong
8 - acLLPBothAtStart
9 - acLLPBothAtEnd
10 - acLLPBothAtStartEnd
11 - acLLPBothParallel
12 - acLLPBothPerpendicular
13 - acLLPBothHorizontal
14 - acLLPBothOnTopHorizontal

acLineType
0 - acSolidLine
1 - acDashLine
2 - acDotLine
3 - acDashDotLine
4 - acDashDotDotLine

acMarkerType
0 - acCircleMarker
1 - acTriangleMarker
2 - acSquareMarker
3 - acCrossMarker
4 - acStarMarker

acNumLabels
1 - acOneLabelPerName
2 - acOneLabelPerShape
3 - acOneLabelPerPart

acPrintMode
0 - acTileCapsPrintMode
1 - acAllUpperPrintMode
2 - acAllLowerPrintMode
3 - acNonPrintMode

acRangeType
0 - acExactValue
1 - acRangeOfValues
2 - acAllOtherValues

acShieldSymbolType
0 - acInterstateShieldSymbol
1 - acUSRoadShieldSymbol
2 - acRectangleShieldSymbol
3 - acOvalShieldSymbol
4 - acMexicanShieldSymbol

acVTextAlignment
0 - acTopVTextAlignment
1 - acCenterVTextAlignment
2 - acBottomVTextAlignment

acCapType
0 - acRoundCap
1 - acButtCap
2 - acSquareCap

acFillType
0 - acSolidFill
1 - acBiDiagonalFill
2 - acFDiagonalFill
3 - acCrossFill
4 - acDiagCrossFill
5 - acHorizontalFill
6 - acVerticalFill
7 - acGrayFill
8 - acLightGrayFill
9 - acDarkGrayFill

acFontStyle
0 - acRegularFont
1 - acBoldFont
2 - acItalicFont
3 - acUnderlineFont
4 - acOutlineFont
5 - acBoldItalicFont

acGradientFillType
0 - acBiDiagonalGradientFill
1 - acFDiagonalGradientFill
2 - acHorizontalGradientFill
3 - acVerticalGradientFill

acHashLineType
0 - acForegroundHashLine
1 - acBackgroundHashLine

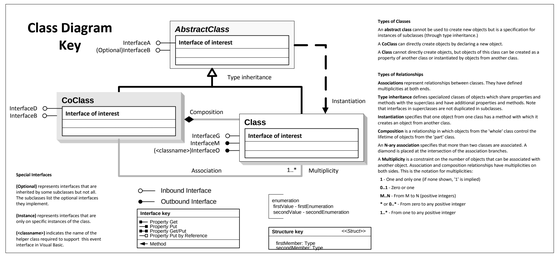
acHTextAlignment
0 - acLeftHTextAlignment
1 - acCenterHTextAlignment
2 - acRightHTextAlignment

Interfaces

IACLineLabelPosition : IUnknown
Above: Boolean
AboveAlong: Boolean
AtStart: Boolean
Below: Boolean
BelowAlong: Boolean
InLine: Boolean
Left: Boolean
OnLine: Boolean
OnTop: Boolean
Parallel: Boolean
Perpendicular: Boolean
Right: Boolean

IMSSubLayer : IUnknown
CanIdentify: Boolean
IMSLayer: IACLayer
SymbologyUpdated: Boolean

IMSGlobeSubServiceDescription : IUnknown
ParentName: String
Type: String

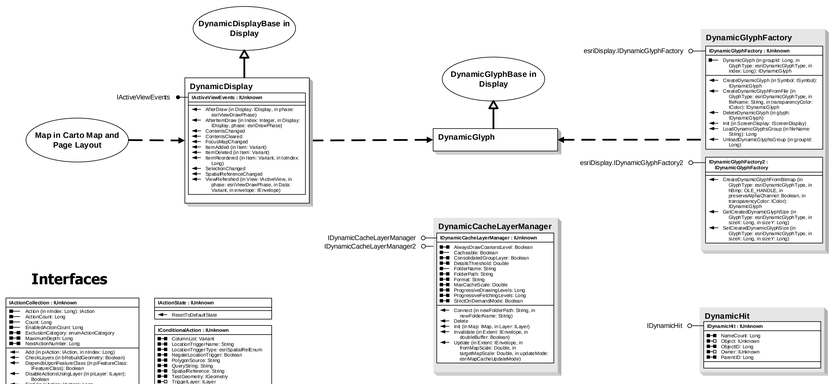


Carto Object Model Miscellaneous

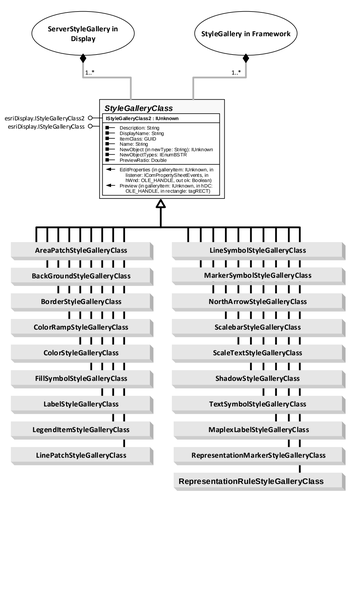
Esri® ArcGIS® 10.5

Copyright © 1999-2017 Esri. All rights reserved. Esri, ArcGIS, ArcObjects, and ArcMap are trademarks, registered trademarks, or service marks of Esri in the United States, the European Community, or certain other jurisdictions.

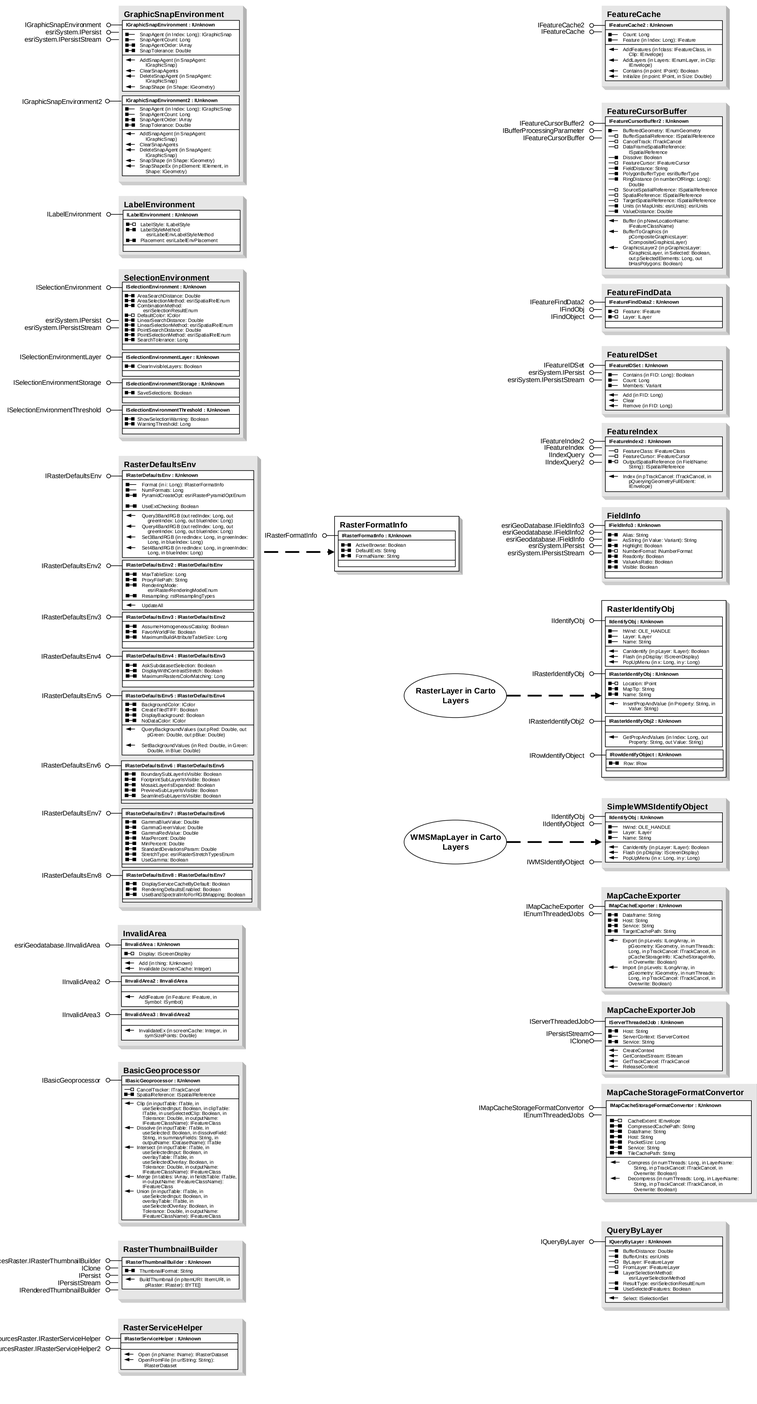
Dynamic Display



Style Gallery Classes



Environment and Feature Management



Interfaces

Enumerations