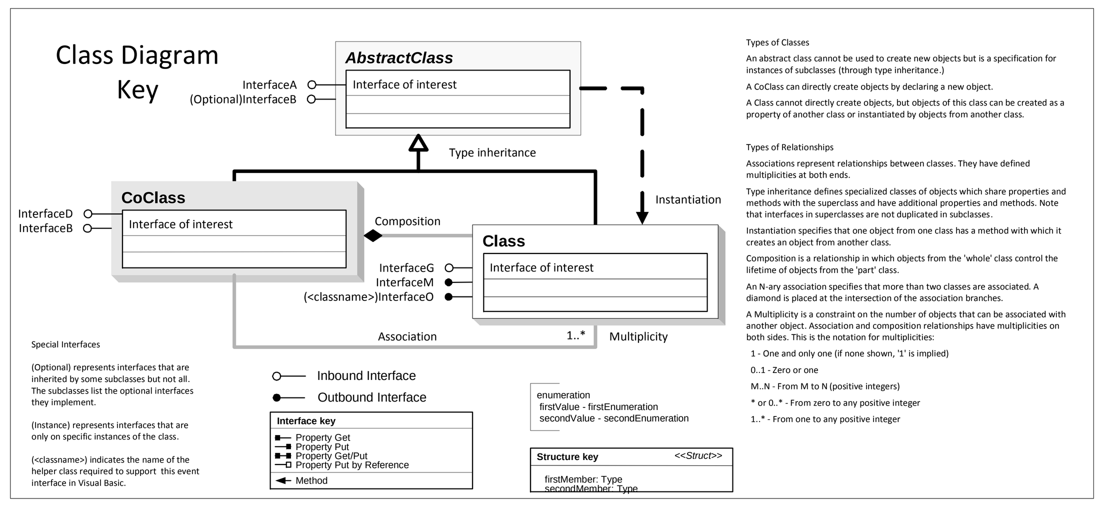

Carto Object Model
Map and Page Layout

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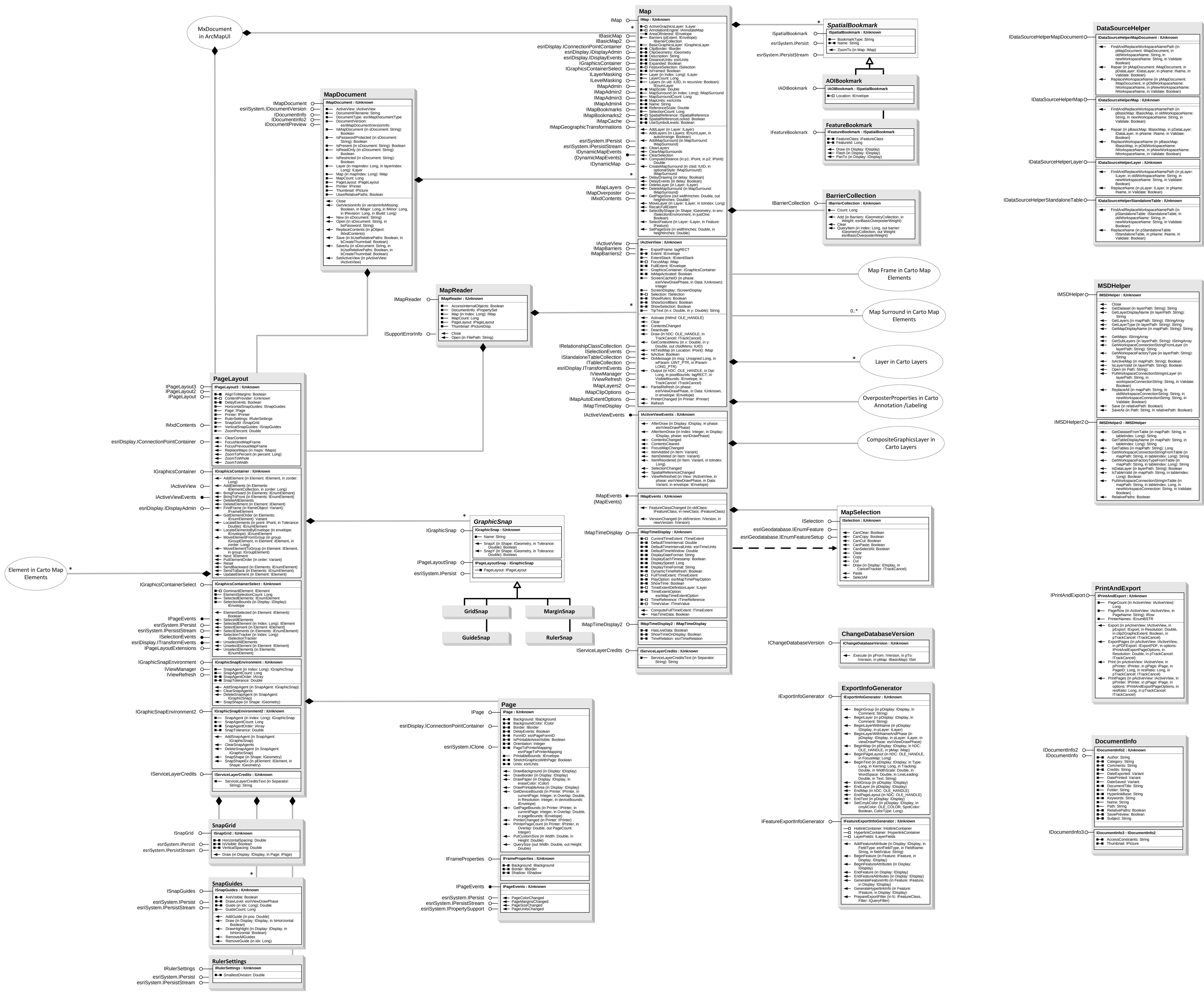

Interfaces

IBasicMapIdentifyObject : IUnknown
- BasicMap: IBasicMap

IContextAnalyzer : IUnknown
- Priority: Long
- GetContextMenu (in contextObject: IUnknown, out clsidMenu: IUID)

IEnumLayer : IUnknown
- Next: ILayer
- Reset

IEnumMap : IUnknown
- Next: IMap
- Reset

IEnumMapSurround : IUnknown
- Next: IMapSurround
- Reset

IEnumSpatialBookmark : IUnknown
- Next: ISpatialBookmark
- Reset

IExtentStack : IUnknown
- Count: Long
- Item (in Index: Long): IEnvelope
- CanRedo: Boolean
- CanUndo: Boolean
- Do (in Extent: IEnvelope)
- Redo
- Reset
- Undo

IKmlConversion : IUnknown
- GetLayerIDListFromMap (in pMap: IMap): IArray
- GetLayerIDListFromMapServer (in pMapServer: IMapServer): IArray
- LayerToArray (in pLayer: ILayer, in pQueryFilter: IQueryFilter, in pKmlParameters: IPropertySet): BYTE[]
- LayerToFile (in pLayer: ILayer, in pQueryFilter: IQueryFilter, in pKmlParameters: IPropertySet, in Filename: String)
- MapServerMapToArray (in pMapServer: IMapServer, in pQueryFilter: IQueryFilter, in pKmlParameters: IPropertySet, in pLayerIDs: String): BYTE[]
- MapServerMapToFile (in pMapServer: IMapServer, in pQueryFilter: IQueryFilter, in pKmlParameters: IPropertySet, in pLayerIDs: String, in Filename: String)
- MapToArray (in pMap: IMap, in pQueryFilter: IQueryFilter, in pKmlParameters: IPropertySet, in pLayerIDs: String): BYTE[]
- MapToFile (in pMap: IMap, in pQueryFilter: IQueryFilter, in pKmlParameters: IPropertySet, in pLayerIDs: String, in Filename: String)

IMapEvents2 : IUnknown
- ActiveGraphicsLayerChanged (in oldGraphicsLayer: IGraphicsLayer, in newGraphicsLayer: IGraphicsLayer)
- TableChanged (in oldTable: ITable, in newTable: ITable)

IMapEvents3 : IUnknown
- BeginBuildCache (in Map: IMap)
- EndBuildCache (in Map: IMap)

IMaps : IUnknown
- Count: Long
- Item (in Index: Long): IMap
- Create: IMap
- Remove (in Map: IMap)
- RemoveAt (in Index: Long)
- Reset

IMaps2 : IUnknown
- Count: Long
- Item (in Index: Long): IMap
- Create: IMap
- MoveItem (in pMap: IMap, in toIndex: Long)
- Remove (in Map: IMap)
- RemoveAt (in Index: Long)
- Reset

IPushPin : ISpatialBookmark
- Location: IPoint
- MarkerSymbol: IMarkerSymbol
- MaxLabelWidthPts: Double
- TextSymbol: ITextSymbol
- Draw (in Display: IDisplay)
- Flash (in Display: IDisplay)

IRotateOperation : IOperation
- ActiveView: IActiveView
- Name: String
- PreviousRotation: Double
- Refresh: Boolean
- Rotation: Double

ITOCClass : IUnknown
- Description: String
- Label: String
- SymbolPatchImage (in fileType: String): String

ITOCGroup : IUnknown
- Classes: IArray
- Heading: String

Enumerations

esriBufferSpatialReferenceType
- 0 - esriMapSpatialReference
- 1 - esriFeatureClassSpatialReference
- 2 - esriFeatureOptimizedSpatialReference
- 3 - esriFeatureSetOptimizedSpatialReference
- 4 - esriOtherSpatialReference

esriExtentTypeEnum
- 0 - esriExtentDefault
- 0 - esriAutoExtentNone
- 1 - esriExtentScale
- 1 - esriAutoExtentScale
- 2 - esriExtentBounds
- 2 - esriAutoExtentBounds
- 3 - esriAutoExtentMarginPercent
- 4 - esriAutoExtentMarginMapUnits
- 5 - esriAutoExtentMarginPageUnits
- 6 - esriExtentPageIndex

esriMapClipType
- 0 - esriMapClipNone
- 1 - esriMapClipShape
- 2 - esriMapClipMapExtent
- 3 - esriMapClipPageIndex

esriMapCacheUpdateMode
- 0 - esriMapCacheUpdateRecreateMissing
- 1 - esriMapCacheUpdateRecreateAll
- 2 - esriMapCacheUpdateDelete

esriMapDocumentType
- 0 - esriMapDocumentTypeMxd
- 1 - esriMapDocumentTypePmf
- 2 - esriMapDocumentTypeLyr
- 3 - esriMapDocumentTypeUnknown

esriMapDocumentVersionInfo
- 0 - esriMapDocumentVersionInfoSuccess
- 1 - esriMapDocumentVersionInfoFail
- 2 - esriMapDocumentVersionInfoUnknown

esriMapTimePlayOption
- 0 - esriMapTimeStopAfterPlaying
- 1 - esriMapTimeRepeatAfterPlaying
- 2 - esriMapTimeReverseAfterPlaying

esriMapTimeExtentOption
- 0 - esriMapTimeExtentAllData
- 1 - esriMapTimeExtentAllVisibleLayers
- 2 - esriMapTimeExtentUndefined
- 3 - esriMapTimeExtentSpecifiedLayer

esriMappingMsgCodeEnum
- 103000 - esriMappingMsgCode_LayerDrawBegin
- 103001 - esriMappingMsgCode_LayerDrawEnd
- 103002 - esriMappingMsgCode_GroupLayerDrawBegin
- 103003 - esriMappingMsgCode_GroupLayerDrawEnd
- 103004 - esriMappingMsgCode_GeographyDrawBegin
- 103005 - esriMappingMsgCode_GeographyDrawEnd
- 103006 - esriMappingMsgCode_AnnotationDrawBegin
- 103007 - esriMappingMsgCode_AnnotationDrawEnd
- 103008 - esriMappingMsgCode_SelectionDrawBegin
- 103009 - esriMappingMsgCode_SelectionDrawEnd
- 103010 - esriMappingMsgCode_GraphicSelectionDrawBegin
- 103011 - esriMappingMsgCode_GraphicSelectionDrawEnd
- 103012 - esriMappingMsgCode_CustomDrawBegin
- 103013 - esriMappingMsgCode_CustomDrawEnd
- 103014 - esriMappingMsgCode_GraphicDrawBegin
- 103015 - esriMappingMsgCode_GraphicDrawEnd
- 103016 - esriMappingMsgCode_LabelingBegin
- 103017 - esriMappingMsgCode_LabelingEnd
- 103018 - esriMappingMsgCode_LabelingLayers
- 103019 - esriMappingMsgCode_FeatureCount
- 103020 - esriMappingMsgCode_GraphicCount
- 103021 - esriMappingMsgCode_ExecutingQuery
- 103022 - esriMappingMsgCode_DrawingAsMaskingLayer
- 103023 - esriMappingMsgCode_SymbolDrawTime
- 103024 - esriMappingMsgCode_Rendering
- 103800 - esriMappingMsgCode_LayerDrawingError

esriPageFormID
- 0 - esriPageFormLetter
- 1 - esriPageFormLegal
- 2 - esriPageFormTabloid
- 3 - esriPageFormC
- 4 - esriPageFormD
- 5 - esriPageFormE
- 6 - esriPageFormA5
- 7 - esriPageFormA4
- 8 - esriPageFormA3
- 9 - esriPageFormA2
- 10 - esriPageFormA1
- 11 - esriPageFormA0
- 12 - esriPageFormCUSTOM
- 13 - esriPageFormSameAsPrinter

esriPageToPrinterMapping
- 0 - esriPageMappingCrop
- 1 - esriPageMappingScale
- 2 - esriPageMappingTile

esriSelectionResultEnum
- 0 - esriSelectionResultNew
- 1 - esriSelectionResultAdd
- 2 - esriSelectionResultSubtract
- 3 - esriSelectionResultAnd
- 4 - esriSelectionResultXOR

esriValueRepresentations
- 0 - esriValueRepUnknown
- 1 - esriValueRepRadius
- 2 - esriValueRepArea
- 3 - esriValueRepDistance
- 4 - esriValueRepWidth

esriViewDrawPhase
- 0 - esriViewNone
- 1 - esriViewBackground
- 2 - esriViewGeography
- 4 - esriViewGeoSelection
- 8 - esriViewGraphics
- 16 - esriViewGraphicSelection
- 32 - esriViewForeground
- 64 - esriViewInitialized
- 255 - esriViewAll

Carto Object Model
Map Elements

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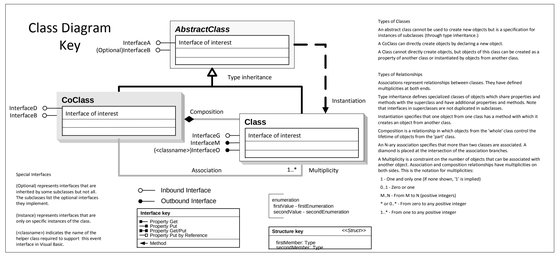

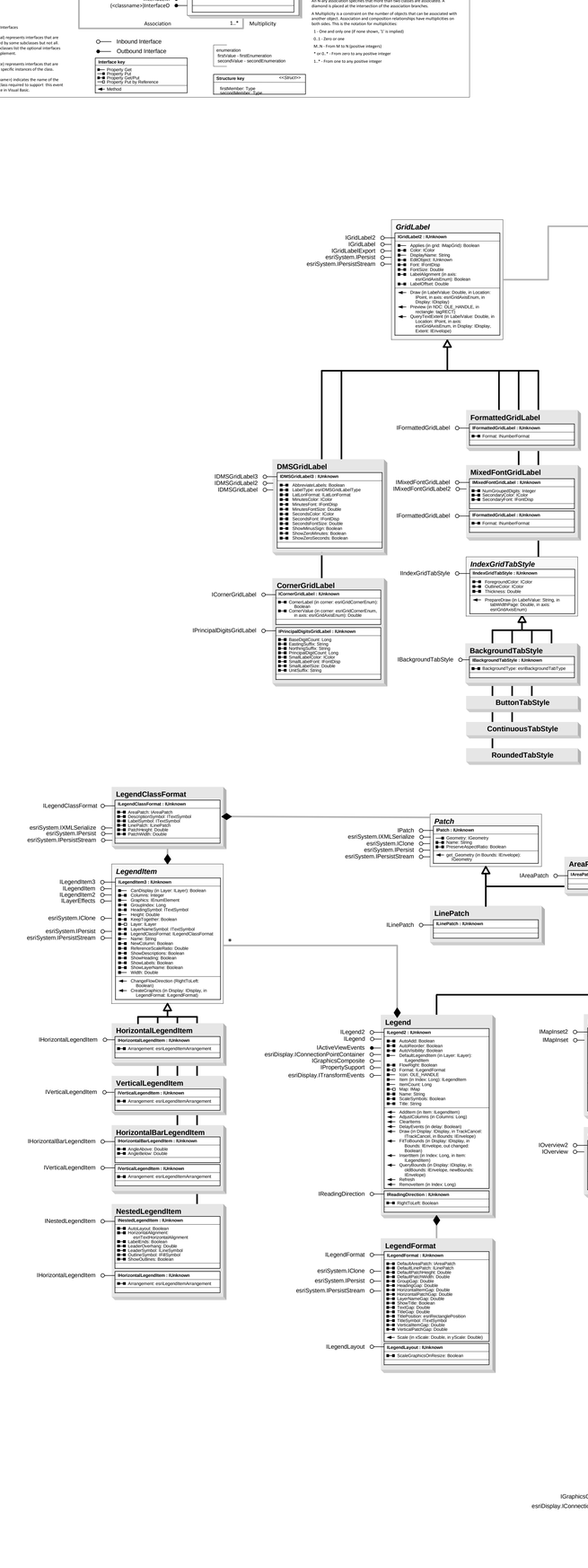

Enumerations

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 - esriDMSGridLabelStacked
2 - esriDMSGridLabelDD
3 - esriDMSGridLabelDM
4 - esriDMSGridLabelDS

esriGridAxisEnum
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 - esriBefore
1 - esriLeft
2 - esriCenter
3 - esriRight
4 - esriAfter

esriRectanglePosition
1 - esriTopSide
2 - esriRightSide
3 - esriLeftSide
4 - esriRightSide

esriScaleBarFrequency
0 - esriScaleBarNone
1 - esriScaleBarEnds
2 - esriScaleBarMajorDivisions
3 - esriScaleBarDivisions
4 - esriScaleBarDivisionsAndFirstMidpoint
5 - esriScaleBarDivisionsAndFirstSubdivisions
6 - esriScaleBarSubdivisions

esriScaleBarNozeroInt
0 - esriScaleBarTrimEnd
1 - esriScaleBarAutoDivision
2 - esriScaleBarAutoDivisions
3 - esriScaleBarAutoDivisionsAndDivisions

esriScaleTextStyleEnum
0 - esriScaleTextAbsolute
1 - esriScaleTextRelative
2 - esriScaleTextCustom

esriVertPosEnum
0 - esriAbove
1 - esriOn
2 - esriBelow
3 - esriBottom
4 - esriBelow

esriT3DAlignment
0 - esriT3DAlignHorizontal
1 - esriT3DAlignVertical

esriT3DJustification
0 - esriT3DJustifyLeft
1 - esriT3DJustifyCenter
2 - esriT3DJustifyRight

esriT3DOrientationPlane
0 - esriT3DPlaneXY
1 - esriT3DPlaneXZ
2 - esriT3DPlaneYZ

esriT3DRotationAxis
0 - esriT3DRotateAxisX
1 - esriT3DRotateAxisY
2 - esriT3DRotateAxisZ

esriNorthArrowType
0 - esriSimpleNorth
1 - esriTrueNorth

esriScaleBarPos
0 - esriScaleBarAbove
1 - esriScaleBarBeforeLabels
2 - esriScaleBarAfterLabels
3 - esriScaleBarBelowBar
4 - esriScaleBarAfterBar
5 - esriScaleBarBelow
6 - esriScaleBarAboveLeft
7 - esriScaleBarAboveRight
8 - esriScaleBarAboveEnds
9 - esriScaleBarBeforeAndAfterLabels
10 - esriScaleBarBeforeAndAfterBar
11 - esriScaleBarBelowLeft
12 - esriScaleBarBelowRight
13 - esriScaleBarBelowEnds

esriSymbolOverridedEnum
1 - esriSymbolOverrideXOffset
2 - esriSymbolOverrideYOffset
4 - esriSymbolOverrideHorzAlignment
8 - esriSymbolOverrideVertAlignment
16 - esriSymbolOverrideAngle
64 - esriSymbolOverrideSize
128 - esriSymbolOverrideColor
512 - esriSymbolOverrideCharSpacing
1024 - esriSymbolOverrideCharWidth
2048 - esriSymbolOverrideHorzSpacing
4096 - esriSymbolOverrideVertSpacing
8192 - esriSymbolOverrideBold
16384 - esriSymbolOverrideItalic
32768 - esriSymbolOverrideUnderline
65536 - esriSymbolOverrideBackground
131072 - esriSymbolOverrideFontName

esriSymbolRotationType
0 - esriRotateSymbolGeographic
1 - esriRotateSymbolArithmetic

ESRITPCPenType
0 - ETPC_Pen
1 - ETPC_HighLighter

ESRITPCStylusType
0 - ETPC_Ball
1 - ETPC_Chisel

esriVertPosEnum
0 - esriAboveText
1 - esriOn
2 - esriOn
3 - esriBottom
4 - esriBelow

Interfaces

MapSurroundFactory : IUnknown
Name: String
Create (in Map: IMap): IMapSurround

ICompositeMapSurround : IUnknown
Elements (in Display: IDisplay, in Bounds: IEnvelope): IEnumElement

IElementEditVertexesOperation

Carto Object Model Layers

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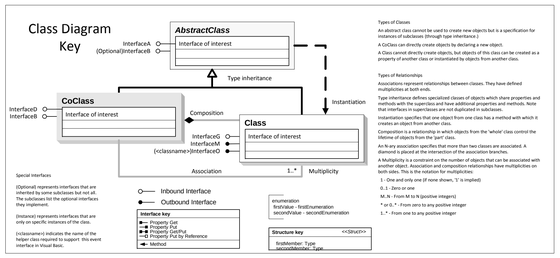
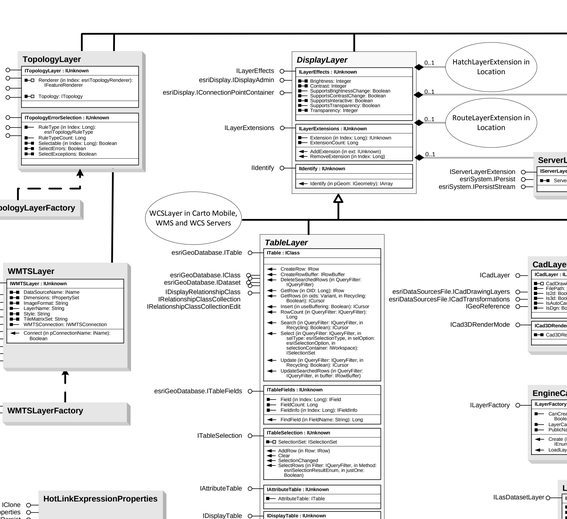
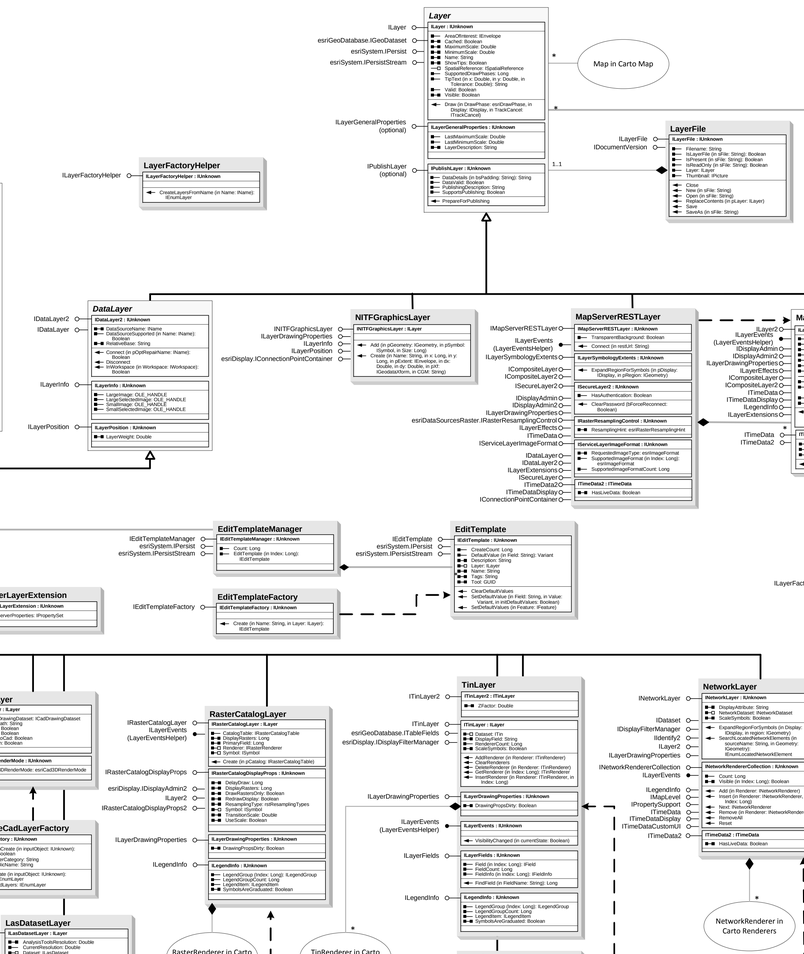
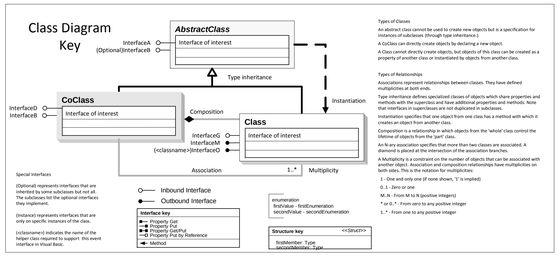
Interfaces

Enumerations









Carto Object Model Rendering

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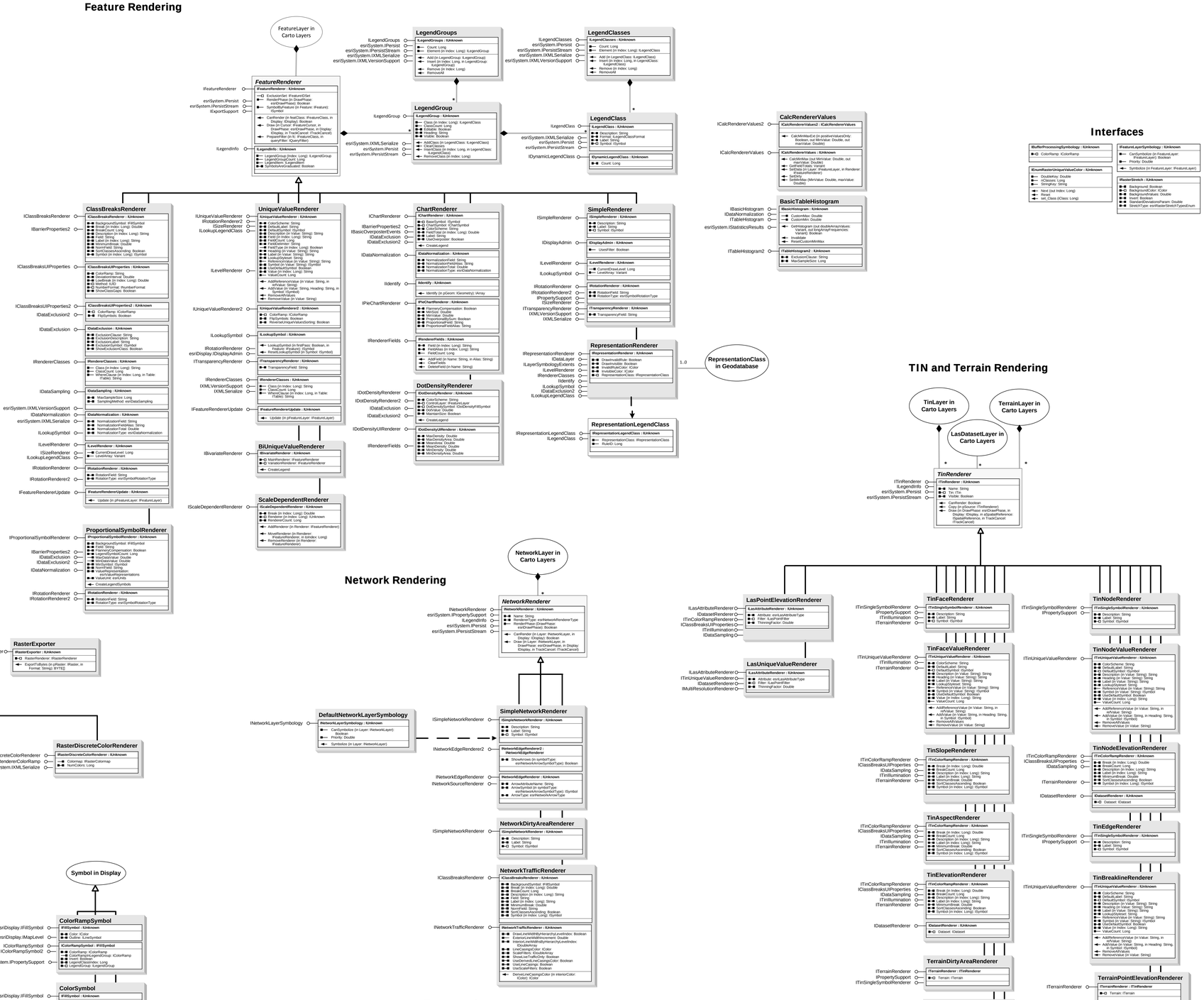
Feature Rendering



Interfaces

Raster Rendering

Network Rendering

TIN and Terrain Rendering

Enumerations

Carto Object Model
Labeling and Annotation

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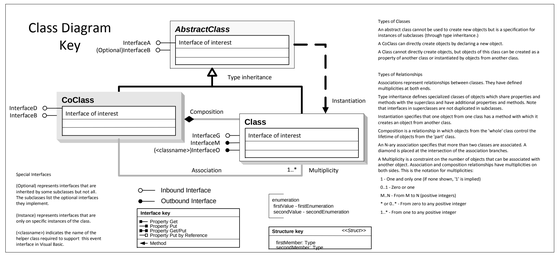

Enumerations

Carto Object Model
Map Server

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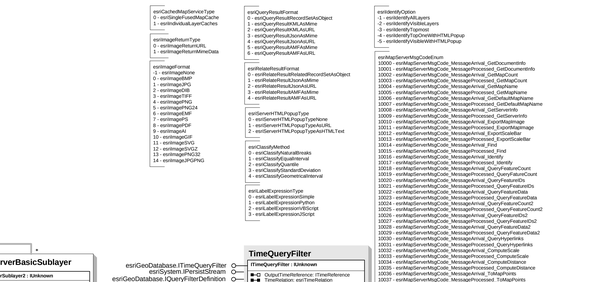
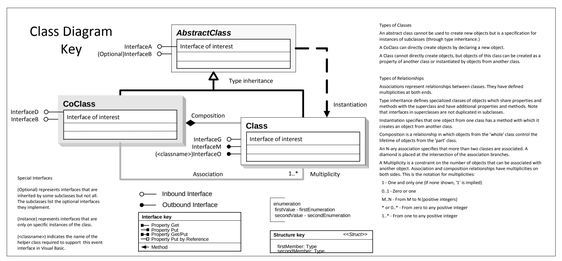
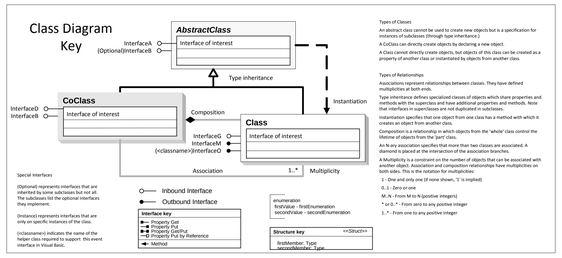
Enumerations



Class Diagram Key





Carto Object Model Feature Service

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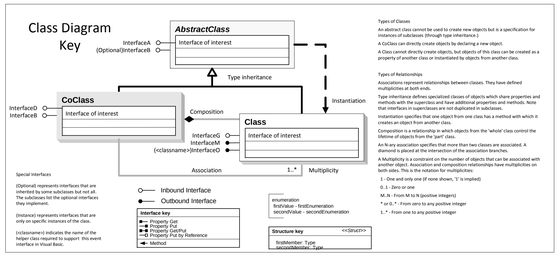
Enumerations

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

esriGraphicFeatureServerErrorCodeEnum
-2147221400 - GFS_E_MISSING_PARAMETER
-2147221402 - GFS_E_UNSUPPORTED_DATASOURCE_TYPE
-2147221401 - GFS_E_NOLAYER_OR_TABLE_INITIALIZED
-2147221400 - GFS_E_LAYER_TABLE_NOT_EDITABLE
-2147221399 - GFS_E_FEATURE_UPDATE_FAILED_MISSING_M_VALUES
-2147221398 - GFS_E_FEATURE_GEOMETRY_PUT_FAILED_FAILED_MISSING_Z_VALUES
-2147221397 - GFS_E_EDITOR_TRACKING_TIMESTAMPS_IN_UTC_AND_DATABASETIME_ERROR
-2147221396 - GFS_E_MISSING_EDITOR_TRACKING_TIMEZONE_ERROR
esriGraphicFeatureServerMsgCodeEnum
17000 - esriGraphicFeatureServerMessageCode_ErrorMessage
17001 - esriGraphicFeatureServerMessageCode_WarningMessage
17002 - esriGraphicFeatureServerMessageCode_InfoMessage
17003 - esriGraphicFeatureServerMessageCode_DebugMessage
17004 - esriGraphicFeatureServerMessageCode_ConstructStarted
17005 - esriGraphicFeatureServerMessageCode_InvalidLicense
17006 - esriGraphicFeatureServerMessageCode_LicenseDenied
17007 - esriGraphicFeatureServerMsgCode_MixedEditingModeNotAllowed
17008 - esriGraphicFeatureServerMsgCode_RequestNotSupported
17009 - esriGraphicFeatureServerMsgCode_CapabilityNotSupported
17010 - esriGraphicFeatureServerMsgCode_TableLayerIDNotFound
17011 - esriGraphicFeatureServerMsgCode_NoAttachmentSupportForAttachments
17012 - esriGraphicFeatureServerMessageCode_NoInSDDataUsed
17013 - esriGraphicFeatureServerMessageCode_DefaultZValueReadingError
17014 - esriGraphicFeatureServerMessageCode_DefaultZValueBeingUsed
17015 - esriGraphicFeatureServerMsgCode_MissingParameter
17016 - esriGraphicFeatureServerMsgCode_InvalidLayerOrTableID
17017 - esriGraphicFeatureMsgCode_MessageArrival_Add
17018 - esriGraphicFeatureMsgCode_MessageArrival_Update
17019 - esriGraphicFeatureMsgCode_MessageArrival_AddAttachments
17020 - esriGraphicFeatureMsgCode_MessageProcessed_AddAttachments
17021 - esriGraphicFeatureMsgCode_MessageArrival_ApplyEdits
17022 - esriGraphicFeatureMsgCode_MessageProcessed_ApplyEdits
17023 - esriGraphicFeatureMsgCode_MessageArrival_Delete
17024 - esriGraphicFeatureMsgCode_MessageProcessed_Delete
17025 - esriGraphicFeatureMsgCode_MessageArrival_DeleteAttachments
17026 - esriGraphicFeatureMsgCode_MessageProcessed_DeleteAttachments
17027 - esriGraphicFeatureMsgCode_MessageArrival_DeleteByID
17028 - esriGraphicFeatureMsgCode_MessageProcessed_DeleteByID
17029 - esriGraphicFeatureMsgCode_MessageArrival_GetCount
17030 - esriGraphicFeatureMsgCode_MessageProcessed_GetCount
17031 - esriGraphicFeatureMsgCode_MessageArrival_GetLayers
17032 - esriGraphicFeatureMsgCode_MessageProcessed_GetLayers
17033 - esriGraphicFeatureMsgCode_MessageArrival_GetServiceObjectCount
17034 - esriGraphicFeatureMsgCode_MessageProcessed_GetServiceObjectCount
17035 - esriGraphicFeatureMsgCode_MessageArrival_GetTables
17036 - esriGraphicFeatureMsgCode_MessageProcessed_GetTables
17037 - esriGraphicFeatureMsgCode_MessageArrival_Query
17038 - esriGraphicFeatureMsgCode_MessageProcessed_Query
17039 - esriGraphicFeatureMsgCode_MessageArrival_QueryAttachmentData
17040 - esriGraphicFeatureMsgCode_MessageProcessed_QueryAttachmentData
17041 - esriGraphicFeatureMsgCode_MessageArrival_QueryAttachmentInfos
17042 - esriGraphicFeatureMsgCode_MessageProcessed_QueryAttachmentInfos
17043 - esriGraphicFeatureMsgCode_MessageArrival_QueryFromService
17044 - esriGraphicFeatureMsgCode_MessageProcessed_QueryFromService
17045 - esriGraphicFeatureMsgCode_MessageArrival_QueryHTMLPopups
17046 - esriGraphicFeatureMsgCode_MessageProcessed_QueryHTMLPopups
17047 - esriGraphicFeatureMsgCode_MessageArrival_QueryOrd
17048 - esriGraphicFeatureMsgCode_MessageProcessed_QueryOrd
17049 - esriGraphicFeatureMsgCode_MessageArrival_QueryRelatedObjects
17050 - esriGraphicFeatureMsgCode_MessageProcessed_QueryRelatedObjects
17051 - esriGraphicFeatureMsgCode_MessageArrival_Update
17052 - esriGraphicFeatureMsgCode_MessageProcessed_Update
17053 - esriGraphicFeatureMsgCode_MessageArrival_UpdateAttachments
17054 - esriGraphicFeatureMsgCode_MessageProcessed_UpdateAttachments
17055 - esriGraphicFeatureMsgCode_CreateReplica
17056 - esriGraphicFeatureMsgCode_MessageProcessed_CreateReplica
17057 - esriGraphicFeatureMsgCode_MessageArrival_ExportReplicaDataChanges
17058 - esriGraphicFeatureMsgCode_MessageProcessed_ExportReplicaDataChanges
17059 - esriGraphicFeatureMsgCode_MessageArrival_GetReplicas
17060 - esriGraphicFeatureMsgCode_MessageProcessed_GetReplicas
17061 - esriGraphicFeatureMsgCode_MessageArrival_ImportReplicaDataChanges
17062 - esriGraphicFeatureMsgCode_MessageProcessed_ImportReplicaDataChanges
17063 - esriGraphicFeatureMsgCode_MessageArrival_UnregisterReplica
17064 - esriGraphicFeatureMsgCode_MessageProcessed_UnregisterReplica
17065 - esriGraphicFeatureMsgCode_MessageArrival_AlterReplica
17066 - esriGraphicFeatureMsgCode_MessageProcessed_AlterReplica
17067 - esriGraphicFeatureMsgCode_Message_LayerTableMetaDataBase
17068 - esriGraphicFeatureMsgCode_Message_ErrorInitializingLayers
17069 - esriGraphicFeatureMsgCode_Message_ErrorInitializingTables
17070 - esriGraphicFeatureMsgCode_Message_ErrorInMissingQueryCriteria
17071 - esriGraphicFeatureMsgCode_MessageArrival_GetServerInfo
17072 - esriGraphicFeatureMsgCode_MessageProcessed_GetServerInfo
17073 - esriGraphicFeatureMsgCode_CfgFactory_OnAddRequired
17074 - esriGraphicFeatureMsgCode_CfgFactory_OnRemoveExtErr
17075 - esriGraphicFeatureMsgCode_CfgFactory_InvalidInputDir
17076 - esriGraphicFeatureMsgCode_CfgFactory_NoInputDir
17077 - esriGraphicFeatureMsgCode_CfgFactory_NoCleanupRequired
17078 - esriGraphicFeatureMsgCode_CfgFactory_CleanupFailed
17079 - esriGraphicFeatureMsgCode_CfgFactory_MapServerConfigPropsMissing
17080 - esriGraphicFeatureMsgCode_CfgFactory_DeleteInfo
17081 - esriGraphicFeatureMsgCode_CfgFactory_CleanupRequired
17082 - esriGraphicFeatureMsgCode_CfgFactory_CleanupFinished



Carto Object Model
Image Server

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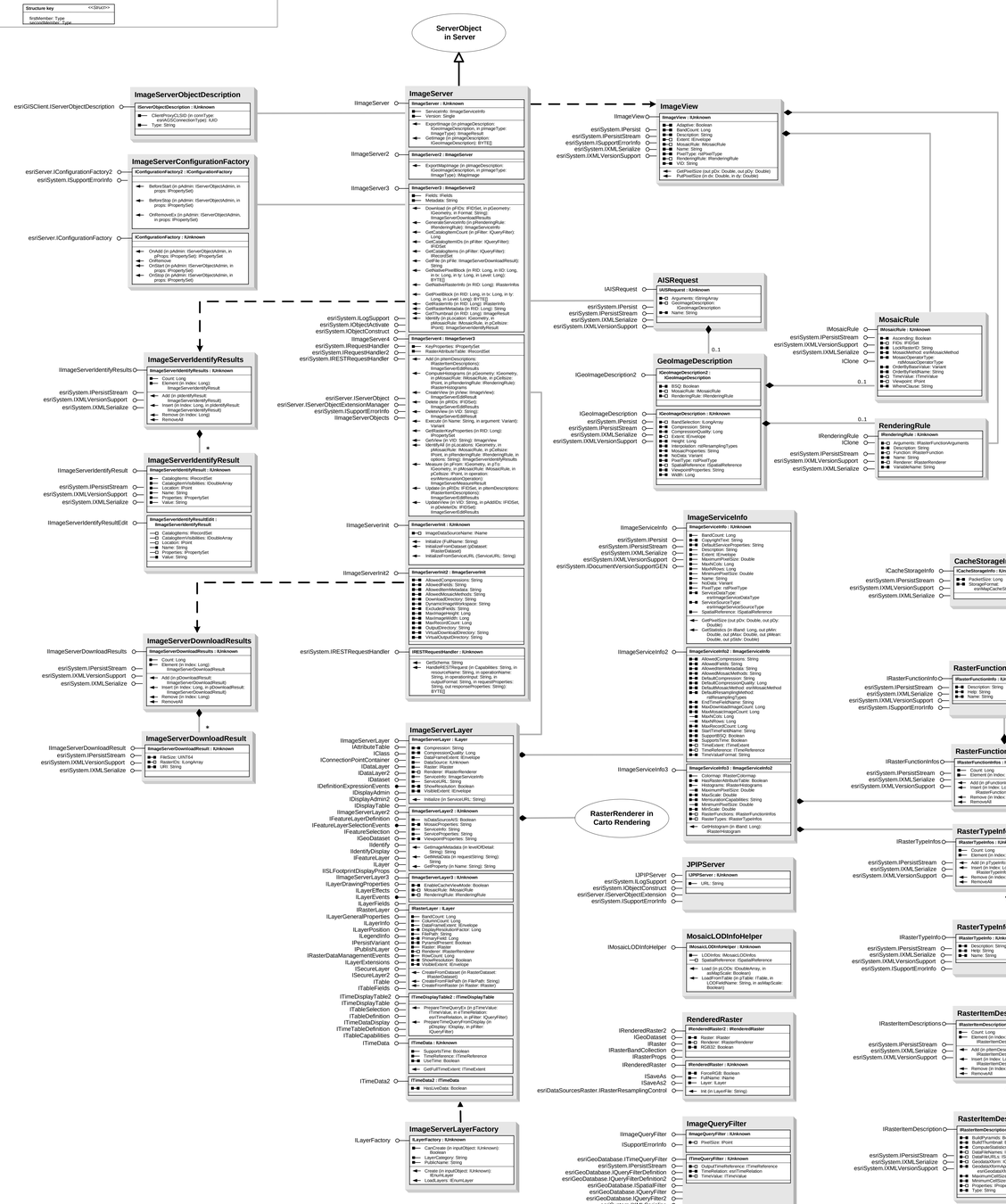
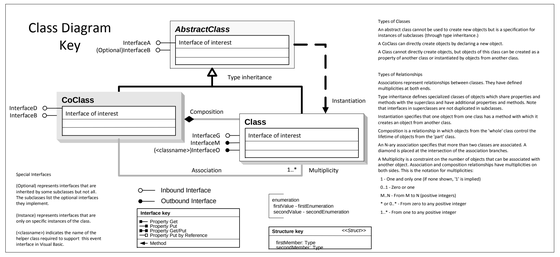


Enumerations

```
esriMapCacheStorageFormat
0 - esriMapCacheStorageModeCompact
1 - esriMapCacheStorageModeExploded

esriImageServerErrorCode
-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_APP_NOT_LICENSED
-2147216889 - E_IMAGESERVER_FAILED_TO_MANAGEWORKSPACE
-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_DELETE_IMAGE
-2147216883 - E_IMAGESERVER_FAILED_TO_CREATE_VIEW
-2147216882 - E_IMAGESERVER_VIEW_ALREADY_EXIST
-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_WRITE_LOCK
-2147216876 - E_IMAGESERVER_CANT_ACCESS_RASTERID

esriImageServerMessageCodeEnum
80000 - esriImageServerMessageCode_ImageServerFailed
80001 - esriImageServerMessageCode_ImageServerNotLicensed
80003 - esriImageServerMessageCode_ImageServerStarted
80004 - esriImageServerMessageCode_ImageServerDebug
80005 - esriImageServerMessageCode_ImageServerConfig
80006 - esriImageServerMessageCode_ImageServerUnknownRequest
80007 - esriImageServerMessageCode_CapabilityUnsupported
80008 - esriImageServerMessageCode_ImageServerVersion
80013 - esriImageServerMessageCode_ImageServerGetServiceInfo
80014 - esriImageServerMessageCode_ImageServerGetImage
80016 - esriImageServerMessageCode_ImageServerExportImage
80017 - esriImageServerMessageCode_ImageServerExportMapImage
80018 - esriImageServerMessageCode_ImageServerGetPixelValuesBatchRequest
80019 - esriImageServerMessageCode_ImageServerGetPixelBlock
80020 - esriImageServerMessageCode_ImageServerMosaic
80021 - esriImageServerMessageCode_ImageServerStart
80022 - esriImageServerMessageCode_ImageServerStop
80023 - esriImageServerMessageCode_ImageServerComputeHistograms
80024 - esriImageServerMessageCode_ImageServerIdentify
80025 - esriImageServerMessageCode_ImageServerCache

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

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

esriISLFootprintDisplayOptEnum
0 - esriISLFootprintDisplayAll
1 - esriISLFootprintDisplayPrimaryOnly

esriMensurationOperation
0 - esriMensurationPoint
1 - esriMensurationAreaAndPerimeterAndAngle
2 - esriMensurationAreaAndPerimeter
3 - esriMensurationHeightFromBaseAndTop
4 - esriMensurationHeightFromBaseAndTopShadow
5 - esriMensurationHeightFromTopAndTopShadow
6 - esriMensurationCentroid
7 - esriMensurationPointID
8 - esriMensurationAreaAndPerimeterAndAngle3D
9 - esriMensurationAreaAndPerimeter3D
13 - esriMensurationCentroid3D
```



Carto Object Model
Mobile, WMS, and WCS Servers

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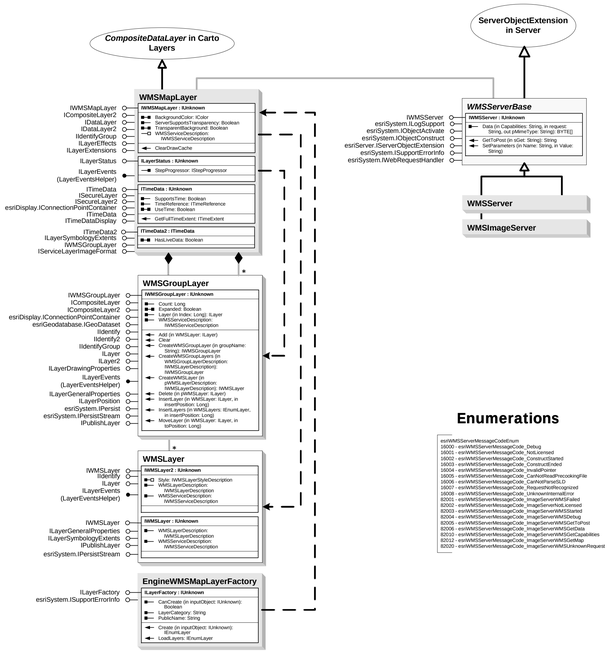
Mobile Server

Enumerations

esriMobileServerMessageCodeEnum
11001 - esriMobileServerMessageCode_MissingParameter
11002 - esriMobileServerMessageCode_InvalidParameter
11003 - esriMobileServerMessageCode_NotLicensed
11004 - esriMobileServerMessageCode_OutOfMemoryFailure
11005 - esriMobileServerMessageCode_InvalidServerObject
11006 - esriMobileServerMessageCode_ObjectInitializationFailure
11007 - esriMobileServerMessageCode_ErrorProcessingRequest
11008 - esriMobileServerMessageCode_FindFailure
11009 - esriMobileServerMessageCode_SetBlowUpFailure
11010 - esriMobileServerMessageCode_AttachToMemoryFailure
11011 - esriMobileServerMessageCode_DetachFailure
11012 - esriMobileServerMessageCode_ConstructFinish
11013 - esriMobileServerMessageCode_ExtInitSuccess
11014 - esriMobileServerMessageCode_ExtInitFailure
11015 - esriMobileServerMessageCode_SchemaLayerExtractFail
11016 - esriMobileServerMessageCode_CreateSchemaFail
11017 - esriMobileServerMessageCode_GetSchemaRequestError
11018 - esriMobileServerMessageCode_RequestReadFailure
11019 - esriMobileServerMessageCode_InvalidClientChecksum
11020 - esriMobileServerMessageCode_FatalServerError
11021 - esriMobileServerMessageCode_UnsupportedRequestName
11022 - esriMobileServerMessageCode_DBFieldMappingMismatch
11023 - esriMobileServerMessageCode_NoExistingChecksum
11024 - esriMobileServerMessageCode_NoExistingChecksumForVersion
11025 - esriMobileServerMessageCode_SettingDefaultClientVersion
11026 - esriMobileServerMessageCode_ClientServerVersions
11027 - esriMobileServerMessageCode_ClientVersionUnderBaseline
11028 - esriMobileServerMessageCode_ClientVersionReduction
11029 - esriMobileServerMessageCode_PurgeUpdatesFailure
11030 - esriMobileServerMessageCode_GetFeatureDatasetFailure
11031 - esriMobileServerMessageCode_GetFeatureFailure
11032 - esriMobileServerMessageCode_DownloadFeaturesFailure
11033 - esriMobileServerMessageCode_GetRasterTileInfoFailure
11034 - esriMobileServerMessageCode_CreateVersionFailure
11035 - esriMobileServerMessageCode_ReconcileFailure
11036 - esriMobileServerMessageCode_UploadFeatureFailure
11037 - esriMobileServerMessageCode_ServerVersionReduction
11038 - esriMobileServerMessageCode_SpatialReferenceDefault
11039 - esriMobileServerMessageCode_InvalidProperty
11040 - esriMobileServerMessageCode_FailedToSyncAttachInfos
11041 - esriMobileServerMessageCode_UnderlyingError
11042 - esriMobileServerMessageCode_ClientVersionMismatch
11044 - esriMobileServerMessageCode_InvalidLayerIndex
11045 - esriMobileServerMessageCode_InvalidFeatureLayer
11046 - esriMobileServerMessageCode_FailedToGetFeatureCursor
11047 - esriMobileServerMessageCode_FailedRetrievingSyncItems
11048 - esriMobileServerMessageCode_InvalidLayerID
11049 - esriMobileServerMessageCode_InvalidLayerCount
11050 - esriMobileServerMessageCode_LayerNotEditable
11051 - esriMobileServerMessageCode_FailedToGetVersionFeatureClass
11052 - esriMobileServerMessageCode_InvalidWorkspaceIndex
11053 - esriMobileServerMessageCode_InvalidVersionedWorkspace
11054 - esriMobileServerMessageCode_VersionAlreadyExists
11055 - esriMobileServerMessageCode_FailedToCreateVersion
11056 - esriMobileServerMessageCode_FailedToCreateVersion
11057 - esriMobileServerMessageCode_InvalidChildVersion
11058 - esriMobileServerMessageCode_CannotEditBeingReconcilWorkspace
11059 - esriMobileServerMessageCode_RequestedVersionNotFound
11060 - esriMobileServerMessageCode_FailedToCompressToJPEG
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_InvalidURLUsesMMF
11072 - esriMobileServerMessageCode_PrepareMapServerFailed
11073 - esriMobileServerMessageCode_PrepareMapServerFailed
11074 - esriMobileServerMessageCode_InvalidWorkspace
11075 - esriMobileServerMessageCode_DownloadAttachmentsFailure
11076 - esriMobileServerMessageCode_NoOutputDirectory
11077 - esriMobileServerMessageCode_InvalidExtentType
11078 - esriMobileServerMessageCode_CoreClassCreateFail
11079 - esriMobileServerMessageCode_NoRasterSupport
11080 - esriMobileServerMessageCode_FailedToCreateSchema
11081 - esriMobileServerMessageCode_FailedToCreateSchema
11082 - esriMobileServerMessageCode_FailedToAddField
11083 - esriMobileServerMessageCode_FailedToOpen
11084 - esriMobileServerMessageCode_InvalidMobileDataPackage
11085 - esriMobileServerMessageCode_InvalidSpatialQueryFilter
11086 - esriMobileServerMessageCode_FailedToConvert
11087 - esriMobileServerMessageCode_SynchronizeFeatureStats
11088 - esriMobileServerMessageCode_FailedToGetRelatedAttachmentTable
11089 - esriMobileServerMessageCode_FailedToGetAttachmentInfo
11090 - esriMobileServerMessageCode_SynchronizeAttachmentStats
11091 - esriMobileServerMessageCode_SynchronizeAttachmentRate
11092 - esriMobileServerMessageCode_SynchronizeAttachmentInfosStats
11093 - esriMobileServerMessageCode_SynchronizeAttachmentInfosStats
11094 - esriMobileServerMessageCode_ImportChangesStats
11095 - esriMobileServerMessageCode_DeleteUploadDirFailure
11096 - esriMobileServerMessageCode_RowUpdateFailure
11097 - esriMobileServerMessageCode_InvalidMobileServicePackage
11098 - esriMobileServerMessageCode_InvalidGDIIndex
11099 - esriMobileServerMessageCode_InvalidVariantType
11100 - esriMobileServerMessageCode_ImportAttachmentsStats
11101 - esriMobileServerMessageCode_FailedParseParams
11102 - esriMobileServerMessageCode_FailedParseReqHeader
11103 - esriMobileServerMessageCode_FailedParseReqparam
11104 - esriMobileServerMessageCode_FailedGenRsp
11105 - esriMobileServerMessageCode_NoInnerverConn
11106 - esriMobileServerMessageCode_NoArcGISServerConn
11107 - esriMobileServerMessageCode_FailedToCreateUploadsClient
11108 - esriMobileServerMessageCode_UploadItemNotFound
11109 - esriMobileServerMessageCode_FailedToSyncAttach
11110 - esriMobileServerMessageCode_FailedToSyncFeatures
11111 - esriMobileServerMessageCode_FailedToPopulateADR
11112 - esriMobileServerMessageCode_FailedToSyncAttach
11113 - esriMobileServerMessageCode_InvalidPolyGeometry
11114 - esriMobileServerMessageCode_InvalidPolyParts
11115 - esriMobileServerMessageCode_FailedToRetrieveRowsByGUID
11116 - esriMobileServerMessageCode_FailedToSetRowValues
11117 - esriMobileServerMessageCode_FailedToRetrieveCursor
11900 - esriMobileServerMessageCode_MobileSyncDebug

WMS Server



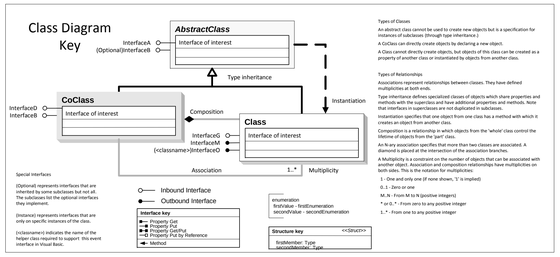
Enumerations

esriWMSServerMessageCodeEnum
16000 - esriWMSServerMessageCode_Debug
16001 - esriWMSServerMessageCode_NotLicensed
16002 - esriWMSServerMessageCode_ConstructStarted
16003 - esriWMSServerMessageCode_ConstructFailed
16004 - esriWMSServerMessageCode_InvalidPointer
16005 - esriWMSServerMessageCode_CanNotReadPrecookingFile
16006 - esriWMSServerMessageCode_CanNotParseSLD
16007 - esriWMSServerMessageCode_RequestNotRecognized
16038 - esriWMSServerMessageCode_UnknownInternalError
82001 - esriWMSServerMessageCode_ImageServerWMSFailed
82002 - esriWMSServerMessageCode_ImageServerWMSInitialized
82003 - esriWMSServerMessageCode_ImageServerWMSStarted
82004 - esriWMSServerMessageCode_ImageServerWMSDebug
82005 - esriWMSServerMessageCode_ImageServerWMSGetToPost
82006 - esriWMSServerMessageCode_ImageServerWMSGetData
82011 - esriWMSServerMessageCode_ImageServerWMSGetCapabilities
82012 - esriWMSServerMessageCode_ImageServerWMSGetMap
82032 - esriWMSServerMessageCode_ImageServerWMSUnknownRequest

WCS Server

Enumerations

esriWCSServerMessageCodeEnum
81001 - esriWCSServerMessageCode_ImageServerWCSFailed
81002 - esriWCSServerMessageCode_ImageServerWCSInitialized
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
81001 - 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

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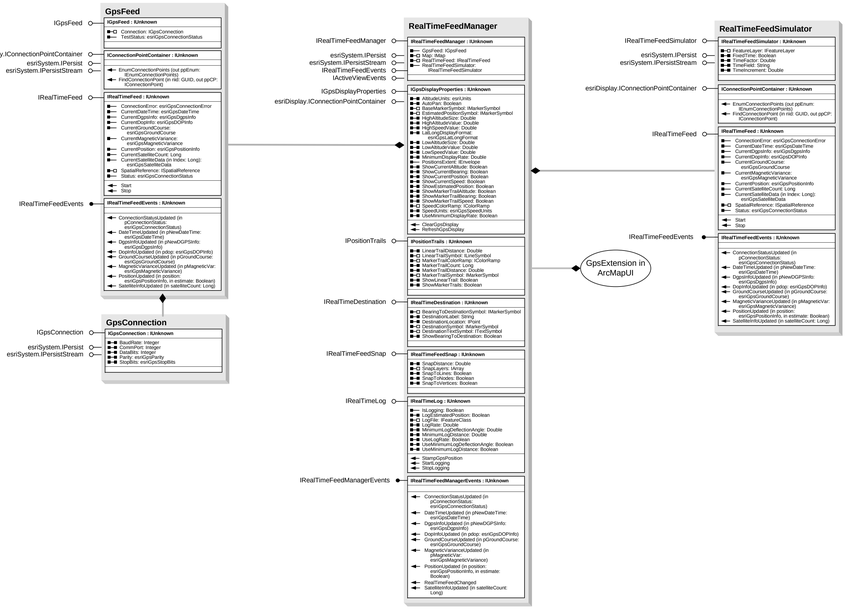
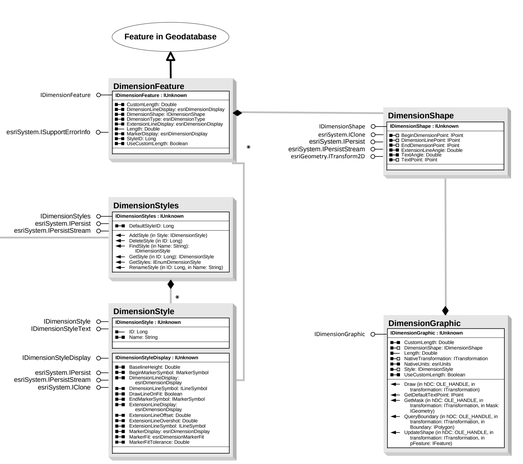
GPS Support



Dimensions



Enumerations

esriGpsBaudRate
300 - esriGpsBaudRate300
600 - esriGpsBaudRate600
1200 - esriGpsBaudRate1200
2400 - esriGpsBaudRate2400
4800 - esriGpsBaudRate4800
9600 - esriGpsBaudRate9600
14400 - esriGpsBaudRate14400
19200 - esriGpsBaudRate19200
1 - esriGpsBaudRate38400
2 - esriGpsBaudRate57600
3 - esriGpsBaudRate57600
4 - esriGpsBaudRate115200

esriGpsConnectionError
0 - esriGpsConnectionErrorNone
1 - esriGpsConnectionErrorCommportInUse
2 - esriGpsConnectionErrorCommportNotSupported
3 - esriGpsConnectionErrorUnAvailableDev
4 - esriGpsConnectionErrorUnableToCommunicateToDevice
5 - esriGpsConnectionErrorInvalidUserData

esriGpsConnectionStatus
0 - esriGpsConnectionStatusClosed
1 - esriGpsConnectionStatusOpened
2 - esriGpsConnectionStatusNoSignal
3 - esriGpsConnectionStatusPoorSignal
4 - esriGpsConnectionStatusRecieving

esriGpsLatLongFormat
0 - esriGpsDegreesMinutesSeconds
1 - esriGpsDegreesMinutes
2 - esriGpsDecimalDegrees

esriGpsParity
0 - esriGpsParityNone
1 - esriGpsParityOdd
2 - esriGpsParityEven
3 - esriGpsParityMark
4 - esriGpsParitySpace

esriGpsSpeedUnits
0 - esriGpsSpeedKph
1 - esriGpsSpeedMph
2 - esriGpsSpeedKts
3 - esriGpsSpeedFps
4 - esriGpsSpeedKnots

esriGpsStopBits
0 - esriGpsStopBits1
1 - esriGpsStopBits15
2 - esriGpsStopBits2

Structures

esriGpsDateTime <<Struct>>
- dateValid: Integer
- day: Integer
- hour: Integer
- localOffsetHours: Integer
- localOffsetMinutes: Integer
- milliseconds: Integer
- minute: Integer
- month: Integer
- seconds: Double
- timeValid: Integer
- year: Integer

esriGpsPositionInfo <<Struct>>
- altitude: Double
- altitudeValid: Integer
- hdop: Double
- hdopValid: Integer
- hemisphere: Integer
- latitude: Double
- longitude: Double
- minutes: Integer
- pos2dValid: Integer
- pos3dValid: Integer
- satellitesInUseValid: Integer
- seconds: Double
- timeValid: Integer

esriGpsSatelliteData <<Struct>>
- azimuth: Integer
- elevation: Integer
- prn: Integer
- snr: Integer

esriGpsDOPInfo <<Struct>>
- hdop: Double
- hdopValid: Integer
- pdop: Double
- pdopValid: Integer
- vdop: Double
- vdopValid: Integer

esriGpsGroundCourse <<Struct>>
- Heading: Double
- headingValid: Integer
- speed: Double
- speedValid: Integer

esriGpsDgpsInfo <<Struct>>
- age: Double
- ageValid: Integer
- idValid: Integer
- stationID: Long

esriGpsMagneticVariance <<Struct>>
- magneticVariance: Double
- magVarValid: Integer

Enumerations

dimError
-2147220991 - DIM_E_CONSTRUCTOR_TOOFEW_VERTICES
-2147220990 - DIM_E_CONSTRUCTOR_TOOMANY_VERTICES
-2147220989 - DIM_E_UNSUPPORTED_VERSION

esriDimensionDisplay
0 - esriDimensionDisplayBoth
1 - esriDimensionDisplayFirst
2 - esriDimensionDisplayEnd
3 - esriDimensionDisplayNone

esriDimensionMarkerFit
0 - esriDimensionMarkerFitNone
1 - esriDimensionMarkerFitTolerance
2 - esriDimensionMarkerFitText

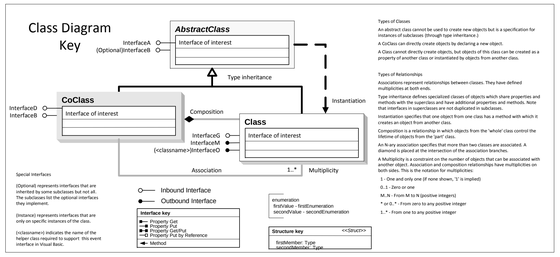
esriDimensionTextDisplay
0 - esriDimensionTDVValueOnly
1 - esriDimensionTDPrefixSuffix
2 - esriDimensionTDExpression
3 - esriDimensionTDNone

esriDimensionTextFit
0 - esriDimensionTextFitNone
1 - esriDimensionTextFitMoveBegin
2 - esriDimensionTextFitMoveEnd

esriDimensionType
0 - esriDimensionTypeAligned
1 - esriDimensionTypeLinear

Interfaces

IEnumDimensionStyle : IUnknown
- Next: IDimensionStyle
- Reset



Carto Object Model
ArcIMS Layer, Symbology, and Rendering

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Enumerations

Interfaces

Carto Object Model
Miscellaneous

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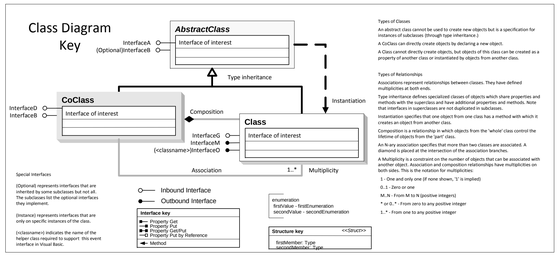
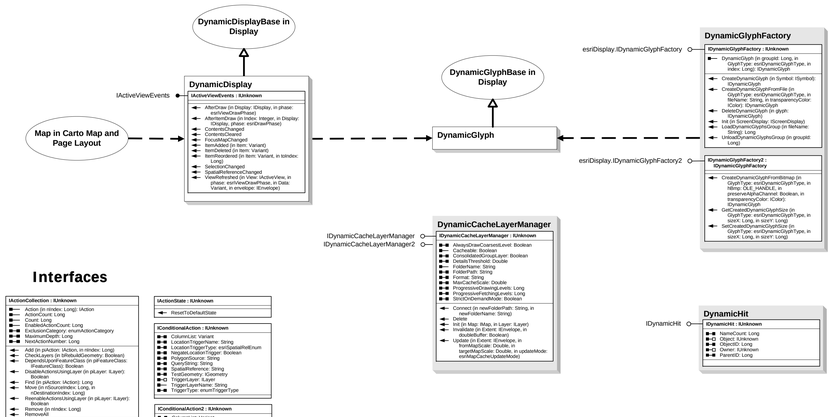


Dynamic Display

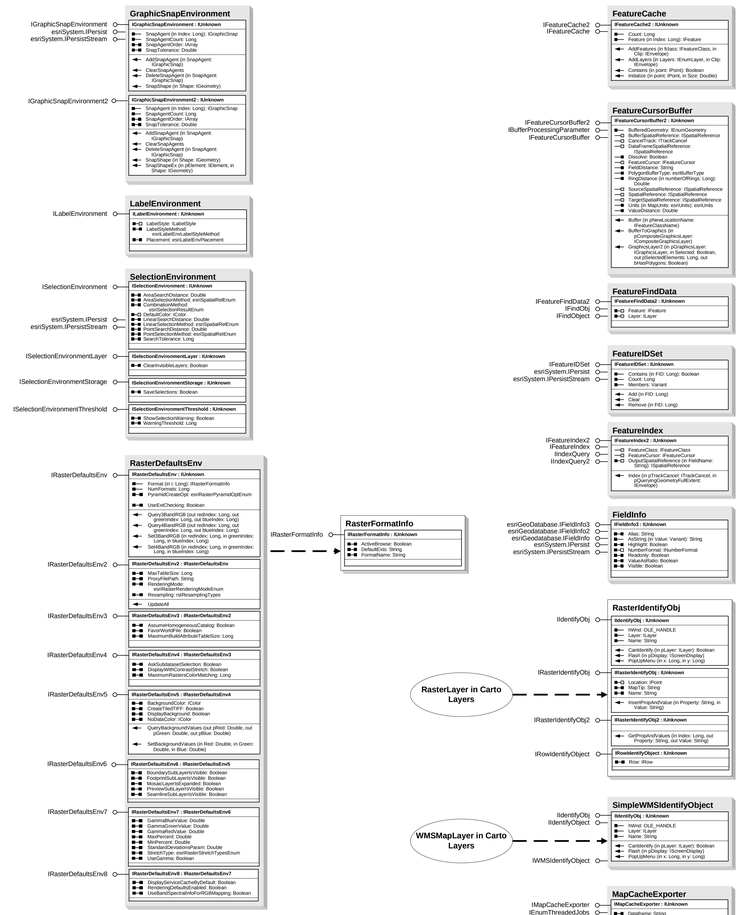


Interfaces

Enumerations

Style Gallery Classes

Environment and Feature Management



Raster Layer in Carto

WMSMapLayer in Carto