Geodatabase Object Model

Esri® ArcGIS® 10.5

Enumerations

esriConfigurationKeywordType
1 - esriConfigurationKeywordGeneral
2 - esriConfigurationKeywordNetwork
3 - esriConfigurationKeywordTopology
4 - esriConfigurationKeywordNetworkDataset
5 - esriConfigurationKeywordTerrain

esriDatasetType
1 - esriDTAny
2 - esriDTContainer
3 - esriDTGeo
4 - esriDTFeatureDataset
5 - esriDTFeatureClass
6 - esriDTPlanarGraph
7 - esriDTGeometricNetwork
8 - esriDTTopology
9 - esriDTText
10 - esriDTTable
11 - esriDTRelationshipClass
12 - esriDTRasterDataset
13 - esriDTRasterBand
14 - esriDTTin
15 - esriDTCadDrawing
16 - esriDTRasterCatalog
17 - esriDTToolbox
18 - esriDTTool
19 - esriDTNetworkDataset
20 - esriDTTerrain
21 - esriDTRepresentationClass
22 - esriDTCadastralFabric
23 - esriDTSchematicDataset
24 - esriDTLocator
26 - esriDTMap
27 - esriDTLayer
28 - esriDTStyle
29 - esriDTMosaicDataset

esriDomainType
1 - esriDTRange
2 - esriDTCodedValue
3 - esriDTString

esriDrawStyle
1 - esriDSNormal
2 - esriDSValid
4 - esriDSInvalid
8 - esriDSUnknown

esriEditSearchOption
1 - esriEditSearchBoth
2 - esriEditSearchBasicOnly
3 - esriEditSearchDeltaOnly
4 - esriEditSearchNewDeltaOnly
5 - esriEditSearchDeletedBasicOnly

esriFeatureElementType
1 - esriFETWholeFeature
2 - esriFETVertex
4 - esriFETEdge
8 - esriFETPart
16 - esriFETAnnotation
32 - esriFETConnectionPoint
64 - esriFETConnectorPoint

esriTopoConfiguration
0 - esriTCChain
1 - esriTCLoop
2 - esriTCStar
3 - esriTCMesh

esriFeatureType
1 - esriFTSimple
7 - esriFTSimpleJunction
8 - esriFTSimpleEdge
9 - esriFTComplexJunction
10 - esriFTComplexEdge
11 - esriFTAnnotation
12 - esriFTCoverageAnnotation
13 - esriFTDimension
14 - esriFTRasterCatalogItem

esriFieldType
0 - esriFieldTypeSmallInteger
1 - esriFieldTypeInteger
2 - esriFieldTypeSingle
3 - esriFieldTypeDouble
4 - esriFieldTypeString
5 - esriFieldTypeDate
6 - esriFieldTypeOID
7 - esriFieldTypeGeometry
8 - esriFieldTypeBlob
9 - esriFieldTypeRaster
10 - esriFieldTypeGUID
11 - esriFieldTypeGlobalID
12 - esriFieldTypeXML

esriLockType
1 - esriLockTypeShared
2 - esriLockTypeExclusive

esriMergePolicyType
1 - esriMPTSumValues
2 - esriMPTAreaWeighted
3 - esriMPTDefaultValue

esriRelCardinality
1 - esriRelCardinalityOneToOne
2 - esriRelCardinalityOneToMany
3 - esriRelCardinalityManyToMany

esriRelationshipSplitPolicy
1 - esriRSPUseDefault
2 - esriRSPPreserveOnLargest
3 - esriRSPPreserveOnSmallest
4 - esriRSPPreserveOnAll
5 - esriRSPDeleteRelationship
6 - esriRSPDeleteParts

esriRelNotification
1 - esriRelNotificationNone
2 - esriRelNotificationForward
3 - esriRelNotificationBackward
4 - esriRelNotificationBoth

esriRelRole
1 - esriRelRoleAny
2 - esriRelRoleOrigin
3 - esriRelRoleDestination

esriRuleType
1 - esriRTAttribute
2 - esriRTEdgeConnectivity
3 - esriRTJunctionConnectivity
4 - esriRTSpatial
5 - esriRTRelationship
6 - esriRTTopology

esriSchemaLock
1 - esriSharedSchemaLock
2 - esriExclusiveSchemaLock

esriSearchOrder
0 - esriSearchOrderSpatial
1 - esriSearchOrderAttribute

esriSelectionOption
1 - esriSelectionOptionNormal
2 - esriSelectionOptionOnlyOne
3 - esriSelectionOptionEmpty

esriSelectionType
1 - esriSelectionTypeIDSet
2 - esriSelectionTypeSnapshot
3 - esriSelectionTypeHybrid

esriSetOperation
1 - esriSetUnion
2 - esriSetIntersection
3 - esriSetDifference
4 - esriSetSymDifference

esriSpatialRelEnum
0 - esriSpatialRelUndefined
1 - esriSpatialRelIntersects
2 - esriSpatialRelEnvelopeIntersects
3 - esriSpatialRelIndexIntersects
4 - esriSpatialRelTouches
5 - esriSpatialRelOverlaps
6 - esriSpatialRelCrosses
7 - esriSpatialRelWithin
8 - esriSpatialRelContains
9 - esriSpatialRelRelation

esriSplitPolicyType
1 - esriSPTGeometryRatio
2 - esriSPTDuplicate
3 - esriSPTDefaultValue

esriSQLClauses
1 - esriSQL_DISTINCT
2 - esriSQL_ALL
4 - esriSQL_AS
8 - esriSQL_ORDER_BY
16 - esriSQL_GROUP_BY

esriSQLFunctionName
1 - esriSQL_MIN
2 - esriSQL_MAX
3 - esriSQL_COUNT
4 - esriSQL_SUM
5 - esriSQL_AVG
6 - esriSQL_VAR
7 - esriSQL_STDDEV
8 - esriSQL_CONCAT
9 - esriSQL_LEADING
10 - esriSQL_LOWER
11 - esriSQL_TRAILING
12 - esriSQL_SUBSTRING
13 - esriSQL_SUBSTRINGBYTES
14 - esriSQL_UPPER
15 - esriSQL_ASCII
16 - esriSQL_CHAR
17 - esriSQL_SOUNDEX
18 - esriSQL_TRANSLATE
19 - esriSQL_TRIM
20 - esriSQL_ABS
21 - esriSQL_ACOS
22 - esriSQL_ASIN
23 - esriSQL_ATAN
24 - esriSQL_CEILING
25 - esriSQL_COS
26 - esriSQL_FLOOR
27 - esriSQL_LOG
28 - esriSQL_LN
29 - esriSQL_MOD
30 - esriSQL_SIGN
31 - esriSQL_SIN
32 - esriSQL_TAN
33 - esriSQL_LOG10
34 - esriSQL_POWER
35 - esriSQL_ROUND
36 - esriSQL_TRUNCATE
37 - esriSQL_SINH
38 - esriSQL_COSH
39 - esriSQL_TANH
40 - esriSQL_HEX
41 - esriSQL_EXTRACT
42 - esriSQL_BITLENGTH
43 - esriSQL_CHARLENGTH
44 - esriSQL_OCTETLENGTH
45 - esriSQL_POSITION
46 - esriSQL_CURRENTDATE
47 - esriSQL_CURRENTTIME
48 - esriSQL_CURRENTUSER
49 - esriSQL_COALESCE
50 - esriSQL_CONVERT
51 - esriSQL_CAST

esriSQLPredicates
1 - esriSQL_EQ
2 - esriSQL_NOT_EQ
4 - esriSQL_LT
8 - esriSQL_GT
16 - esriSQL_LE
32 - esriSQL_GE
64 - esriSQL_BETWEEN
128 - esriSQL_NOT_BETWEEN
256 - esriSQL_IN
512 - esriSQL_NOT_IN
1024 - esriSQL_LIKE
2048 - esriSQL_NOT_LIKE
4096 - esriSQL_IS_NULL
8192 - esriSQL_IS_NOT_NULL
16384 - esriSQL_EXISTS
32768 - esriSQL_NOT_EXISTS

esriSQLPrivilege
1 - esriSelectPrivilege
2 - esriUpdatePrivilege
4 - esriInsertPrivilege
8 - esriDeletePrivilege

esriSQLSpecialCharacters
1 - esriSQL_WildcardManyMatch
2 - esriSQL_WildcardSingleMatch
3 - esriSQL_DelimitedIdentifierPrefix
4 - esriSQL_DelimitedIdentifierSuffix
5 - esriSQL_EscapeKeyPrefix
6 - esriSQL_EscapeKeySuffix

esriTableComponents
1 - esriBusinessTable
2 - esriFeatureTable
4 - esriAddsTable
8 - esriDeletesTable
16 - esriRasterTable
32 - esriArchive

esriTableNameErrorType
1 - esriIsSQLReservedWord
2 - esriHasInvalidCharacter
4 - esriHasInvalidStartingCharacter

esriMetadataSyncAction
0 - esriMSAAccessed
1 - esriMSAAlways
2 - esriMSACreated
3 - esriMSANotCreated
4 - esriMSAOverwrite

esriMultiuserEditSessionMode
0 - esriMESMVersioned
1 - esriMESMNonVersioned

esriWorkspacePropertyGroupType
1 - esriWorkspacePropertyGroup
2 - esriWorkspaceTablePropertyGroup

esriWorkspacePropertyType
0 - esriWorkspacePropCanExecuteSQL
1 - esriWorkspacePropCanEdit
2 - esriWorkspacePropIsReadonly
3 - esriWorkspacePropSupportsQualifiedNames
4 - esriWorkspacePropSupportsMetadata
5 - esriWorkspacePropCanAnalyze
6 - esriWorkspacePropCanGetConfigurationKeywords
7 - esriWorkspacePropIsGeoDatabase
8 - esriWorkspacePropMaxWhereClauseLength
9 - esriWorkspacePropHasPrivateEditSession
10 - esriWorkspacePropSupportsHighPrecisionStorage
11 - esriWorkspacePropSupportsExtensionDatasets
12 - esriWorkspacePropLastCompressDate
13 - esriWorkspacePropLastCompressStatus
14 - esriWorkspacePropSupportsArchiving
15 - esriWorkspacePropSupportsMoveEditsToBase

esriWorkspaceTablePropertyType
1 - esriTablePropRowCountIsCalculated
2 - esriTablePropCanAddField
3 - esriTablePropCanDeleteField
4 - esriTablePropCanAddIndex
5 - esriTablePropCanDeleteIndex
6 - esriTablePropOIDIsRecordNumber
7 - esriTablePropMaxFieldNameLength
8 - esriTablePropBindCursor
9 - esriTablePropSupportsMultiColumnIndexes

esriWorkspaceType
0 - esriFileSystemWorkspace
1 - esriLocalDatabaseWorkspace
2 - esriRemoteDatabaseWorkspace

esriJoinType
0 - esriLeftOuterJoin
1 - esriLeftInnerJoin

esriTransformType
1 - esriTTMove
2 - esriTTStretch
3 - esriTTRotate
4 - esriTTProgrammatic

esriDatasetFileStatAccessMode
0 - esriDatasetFileStatAccessUnknown
1 - esriDatasetFileStatAccessWrite
2 - esriDatasetFileStatAccessReadOnly
6 - esriDatasetFileStatAccessReadWrite

esriDatasetFileStatTimeMode
0 - esriDatasetFileStatTimeLastAccess
1 - esriDatasetFileStatTimeCreation
2 - esriDatasetFileStatTimeLastModification

esriConnectionDBMS
0 - esriDBMS_Unknown
1 - esriDBMS_Oracle
2 - esriDBMS_Informix
3 - esriDBMS_SQLServer
4 - esriDBMS_DB2
5 - esriDBMS_PostgreSQL

esriGeodatabaseServerClassType
0 - esriServerClassUnknown
1 - esriServerClassPersonal
2 - esriServerClassWorkgroup
3 - esriServerClassEnterprise

esriWorkspaceConnectionStatus
0 - esriWCSUp
1 - esriWCSDown
2 - esriWCSAvailable

esriEditDataChangesType
0 - esriEditDataChangesWithinSession
1 - esriEditDataChangesWithinOperation

esriLocatorQuery
0 - esriLocatorStyle
1 - esriLocator
2 - esriAllTypes

esriLocatorWorkspaceType
0 - esriLocalSystemLocatorWorkspace
1 - esriFileSystemLocatorWorkspace
2 - esriRemoteDatabaseLocatorWorkspace
3 - esriExtensionLocatorWorkspace
4 - esriArcGISServerLocatorWorkspace
5 - esriLocalDatabaseLocatorWorkspace

esriLocatingError
0 - LOCATING_OK
1 - LOCATING_E_INVALIDRID
2 - LOCATING_E_INVALIDMEASURE
3 - LOCATING_E_CANT_FIND_ROUTE
4 - LOCATING_E_ROUTE_SHAPE_EMPTY
5 - LOCATING_E_CANT_FIND_LOCATION
6 - LOCATING_E_CANT_FIND_EXTENT
7 - LOCATING_E_FROM_PARTIAL_MATCH
8 - LOCATING_E_TO_PARTIAL_MATCH
9 - LOCATING_E_ROUTE_MS_NULL
10 - LOCATING_E_ROUTE_NOT_MAWARE
11 - LOCATING_E_FROM_TO_PARTIAL_MATCH
12 - LOCATING_E_MULTIPLE_LOCATION
13 - LOCATING_E_NULL_EXTENT

esriXYEventError
-2147201023 - XYEVENT_E_INVALID_X_NAME
-2147201022 - XYEVENT_E_INVALID_X_TYPE
-2147201021 - XYEVENT_E_INVALID_Y_NAME
-2147201020 - XYEVENT_E_INVALID_Y_TYPE
-2147201019 - XYEVENT_E_INVALID_Z_NAME
-2147201018 - XYEVENT_E_INVALID_Z_TYPE
-2147201017 - XYEVENT_E_CANT_SELECT
-2147201016 - XYEVENT_E_SOURCENAME_NOT_SETUP
-2147201015 - XYEVENT_E_CANT_DELETE_FIELD

Geodatabase Object Model
Geometric Network

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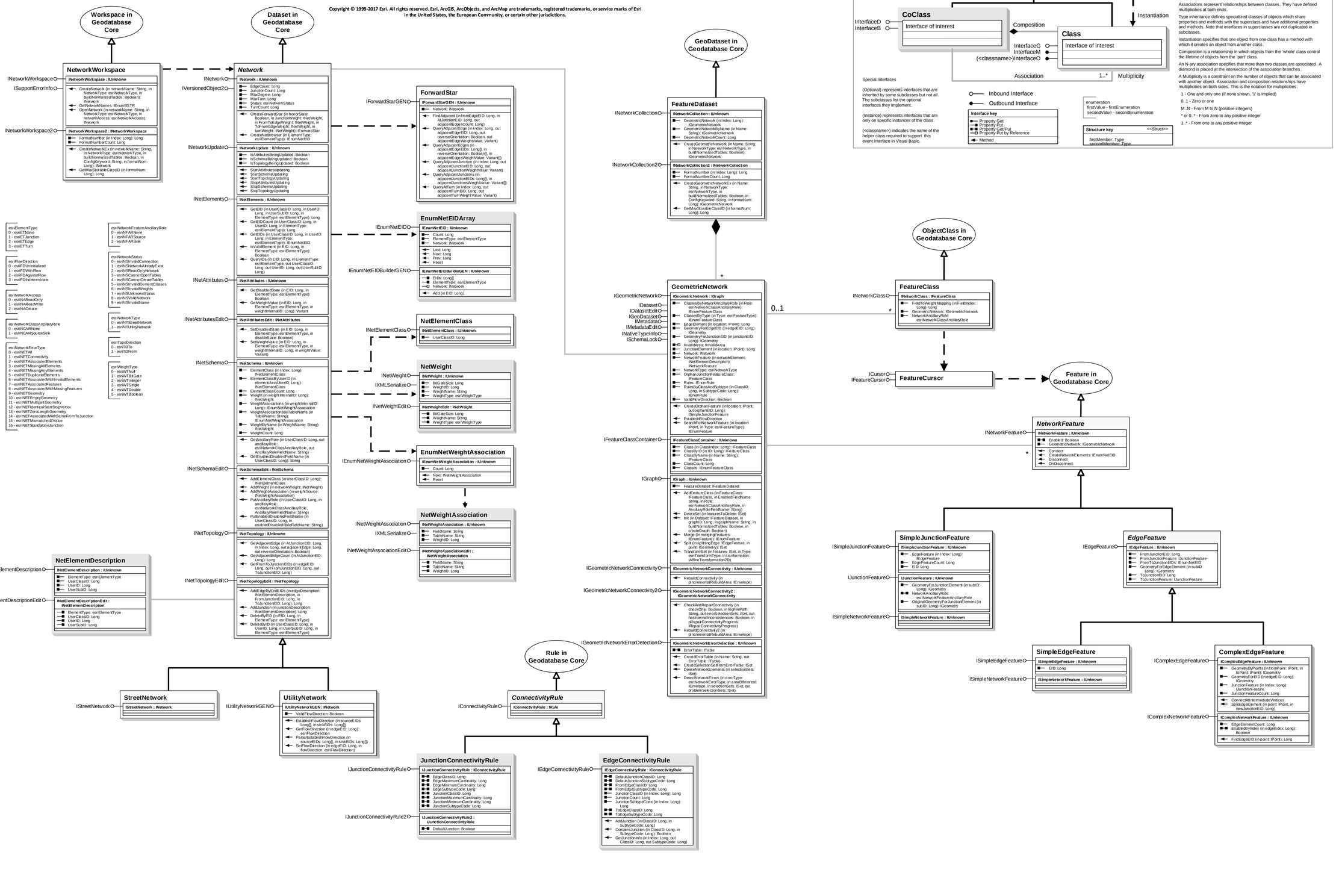

Enumerations

esriNetworkErrors
-214720519 - NETWORK_E_INVALID_FEATURE_WORKSPACE
-214720518 - NETWORK_E_INVALID_NETWORK_NAME
-214720517 - NETWORK_E_UNKNOWN_NETWORK_TYPE
-214720516 - NETWORK_E_CANNOT_OPEN_TABLE
-214720515 - NETWORK_E_CANNOT_CREATE_TABLE
-214720514 - NETWORK_E_INVALID_ELEMENT_CLASSES
-214720513 - NETWORK_E_INVALID_WEIGHT_DEFINITIONS
-214720512 - NETWORK_E_INVALID_WEIGHT_ASSOCIATION
-214720511 - NETWORK_E_INVALID_NETWORK_ACCESS
-214720510 - NETWORK_E_INVALID_FORMAT_NUMBER
-214720509 - NETWORK_E_OLD_WORKSPACE_VERSION
-214720508 - NETWORK_E_CANNOT_CLOSE_TABLE
-214720507 - NETWORK_E_CANNOT_DELETE_TABLE
-214720506 - NETWORK_E_UNKNOWN_ERROR
-214720505 - NETWORK_E_REACHED_MEMORY_QUOTA
-214720504 - NETWORK_E_INVALID_ENGINE_CONNECTION
-214720503 - NETWORK_E_INVALID_ENGINE
-214720502 - NETWORK_E_INVALID_ENGINE_FSTAR
-214720501 - NETWORK_E_UNKNOWN_ENGINE_ERROR
-214720100 - NETWORK_E_INVALID_NETWORK
-214720099 - NETWORK_E_NETWORK_ALREADY_EXISTS
-214720098 - NETWORK_E_INVALID_USER_CLASS_ID
-214720097 - NETWORK_E_INVALID_WEIGHT_NAME
-214720096 - NETWORK_E_READ_ONLY_NETWORK
-214720095 - NETWORK_E_EDIT_SESSION_IN_PROGRESS
-214720094 - NETWORK_E_UPDATE_SESSION_IN_PROGRESS
-214720093 - NETWORK_E_NO_EDIT_SESSION_IN_PROGRESS
-214720092 - NETWORK_E_NO_UPDATE_SESSION_IN_PROGRESS
-214720091 - NETWORK_E_PROPERTY_IS_ALREADY_SET
-214720090 - NETWORK_E_INVALID_ELEMENT_TYPE
-214720089 - NETWORK_E_INVALID_WEIGHT_TYPE
-214720088 - NETWORK_E_INVALID_ELEMENT_ID
-214720087 - NETWORK_E_INVALID_USER_ID
-214720086 - NETWORK_E_INVALID_USER_SUB_ID
-214720085 - NETWORK_E_OVERFLOW_USER_CLASS_ID
-214720084 - NETWORK_E_OVERFLOW_USER_ID
-214720083 - NETWORK_E_OVERFLOW_USER_SUB_ID
-214720082 - NETWORK_E_OVERFLOW_ELEMENT_ID
-214720081 - NETWORK_E_INVALID_WEIGHT_ID
-214720080 - NETWORK_E_COPY_OVERFLOW_USER_CLASS_ID
-214720079 - NETWORK_E_INVALID_WEIGHT_VALUE
-214720078 - NETWORK_E_NO_EDIT_OPERATION_IN_PROGRESS
-214720077 - NETWORK_E_EDIT_OPERATION_IN_PROGRESS
-214720076 - NETWORK_E_LOOP_EDGE_CHAIN
-214720075 - NETWORK_E_CANNOT_READ_TABLE
-214720074 - NETWORK_E_CANNOT_WRITE_TABLE
-214720073 - NETWORK_E_CORRUPT_DATA
-214720072 - NETWORK_E_INVALID_WEIGHT_ELEMENT_TYPES
-214720071 - NETWORK_E_INVALID_BITGATE_SIZE
-214720070 - NETWORK_E_ELEMENT_TYPE_MISMATCH
-214720069 - NETWORK_E_INVALID_TABLE_NAME
-214720068 - NETWORK_E_INVALID_FIELD_NAME
-214720067 - NETWORK_E_OLD_NETWORK_VERSION
-214720066 - NETWORK_E_DUPLICATE_TURN
-214720065 - NETWORK_E_BAD_TURN_INTERIOR_EXTERIOR_CONFLICT
-214720064 - NETWORK_E_BAD_TURN_DUPLICATED_FIRST_LAST_EDGES
-214720063 - NETWORK_E_BAD_TURN_SELF_LOOP
-214720062 - NETWORK_E_BAD_TURN_UNCONNECTED_ANCHOR
-214720061 - NETWORK_E_BAD_TURN_UNCONNECTED_EDGES
-214720060 - NETWORK_E_ADD_WEIGHT_HAS_ELEMENTS
-214720059 - NETWORK_E_DELETE_WEIGHT_HAS_ASSOCIATIONS
-214720058 - NETWORK_E_DUPLICATE_PROPERTY
-214720057 - NETWORK_E_UNDEFINED_PROPERTY
-214720056 - NETWORK_E_MISSING_PROPERTY
-214720055 - NETWORK_E_CANNOT_OPEN_LOGICAL_NETWORK

Geodatabase Object Model

Topology

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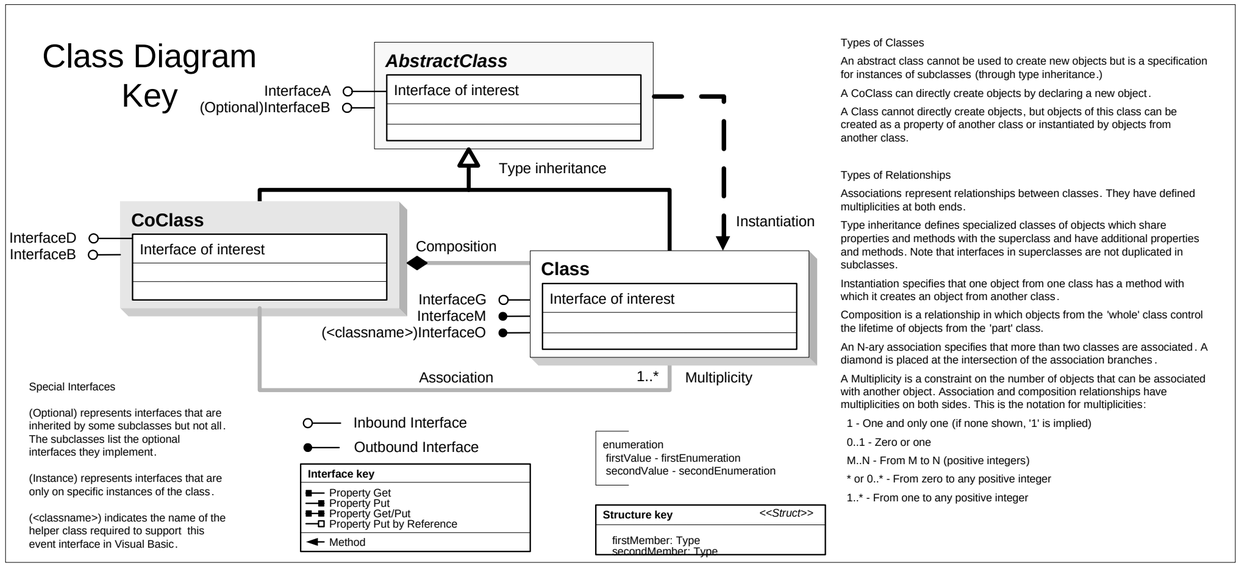
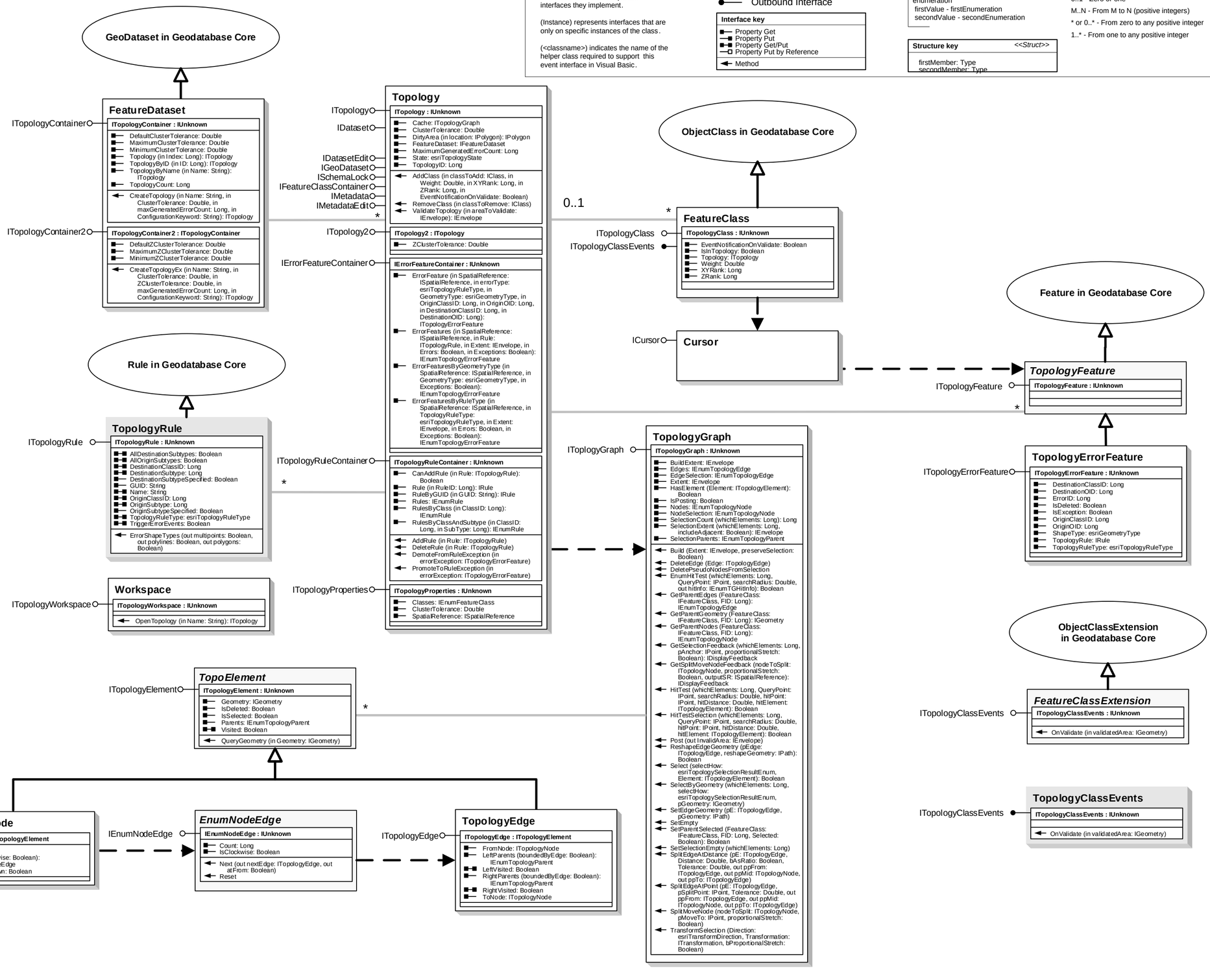




Enumerations

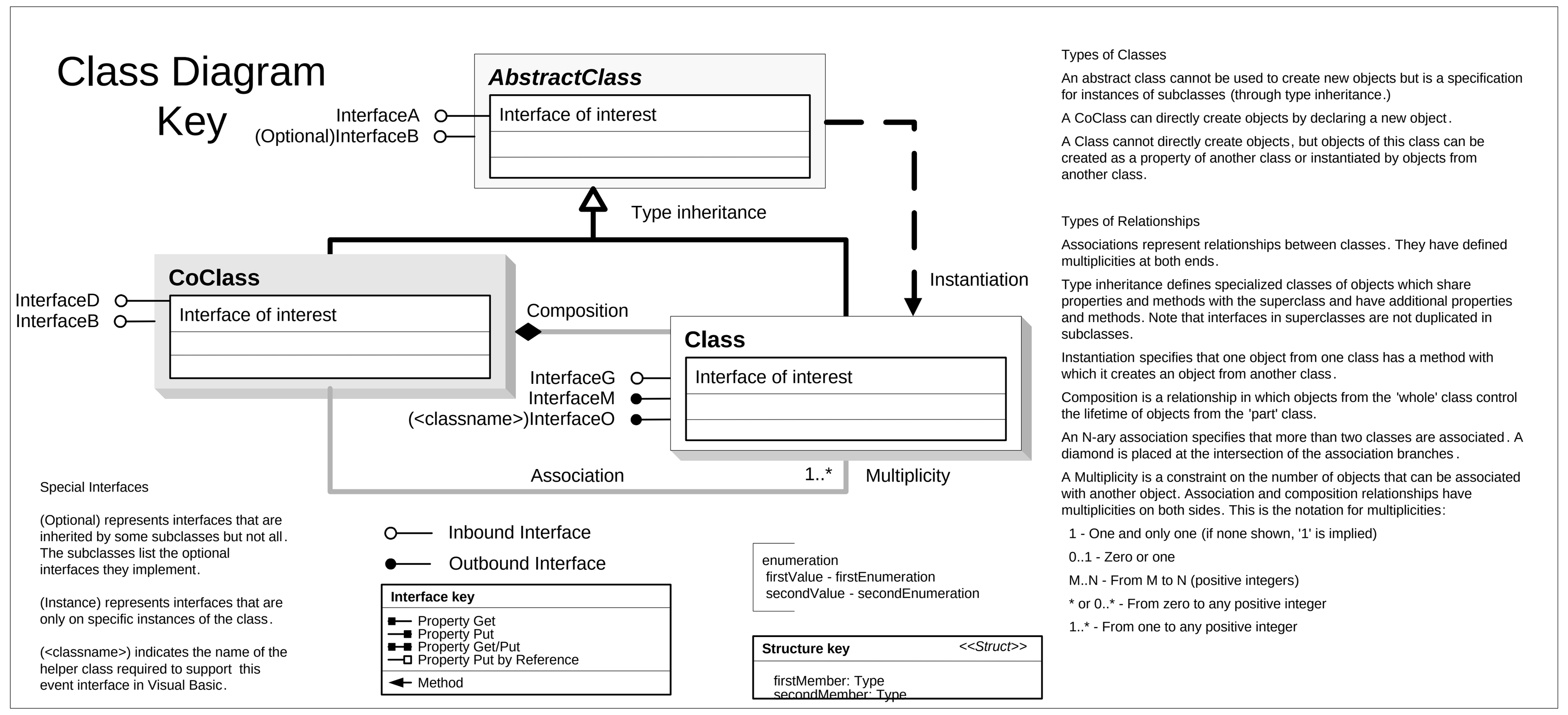
esriTopologyRuleType
-1 - esriTRTAny
0 - esriTRTFeatureLargerThanClusterTolerance
1 - esriTRTAreaNoGaps
3 - esriTRTAreaNoOverlap
4 - esriTRTAreaCoveredByAreaClass
5 - esriTRTAreaAreaCoverEachOther
7 - esriTRTAreaCoveredByArea
8 - esriTRTAreaNoOverlapArea
10 - esriTRTLineCoveredByAreaBoundary
11 - esriTRTLineProperlyInsideArea
13 - esriTRTPointCoveredByAreaBoundary
15 - esriTRTPointProperlyInsideArea
16 - esriTRTAreaContainOnePoint
19 - esriTRTLineNoOverlap
20 - esriTRTLineNoIntersection
21 - esriTRTLineNoDangles
22 - esriTRTLineNoPseudos
26 - esriTRTLineCoveredByLineClass
28 - esriTRTLineNoOverlapLine
29 - esriTRTPointCoveredByLine
31 - esriTRTPointCoveredByLineEndpoint
34 - esriTRTPointDisjoint
35 - esriTRTPointCoincidePoint
37 - esriTRTAreaBoundaryCoveredByLine
38 - esriTRTAreaBoundaryCoveredByAreaBoundary
39 - esriTRTLineNoSelfOverlap
40 - esriTRTLineNoSelfIntersect
41 - esriTRTLineNoIntersectOrInteriorTouch
42 - esriTRTLineEndpointCoveredByPoint
43 - esriTRTAreaContainPoint
44 - esriTRTLineNoMultipart
45 - esriTRTLineNoIntersectLine
46 - esriTRTLineNoIntersectOrInteriorTouchLine

esriTopologySelectionResultEnum
0 - esriTopologySelectionResultNew
1 - esriTopologySelectionResultAdd
2 - esriTopologySelectionResultSubtract
3 - esriTopologySelectionResultXOR

esriTopologyState
0 - esriTSUnanalyzed
1 - esriTSAnalyzedWithErrors
2 - esriTSAnalyzedWithoutErrors
3 - esriTSEmpty

esriTopologyElementType
1 - esriTopologyNode
2 - esriTopologyEdge
4 - esriTopologyFace

esriTopoSide
0 - esriTSLeft
1 - esriTSRight



Geodatabase Object Model

Data Elements

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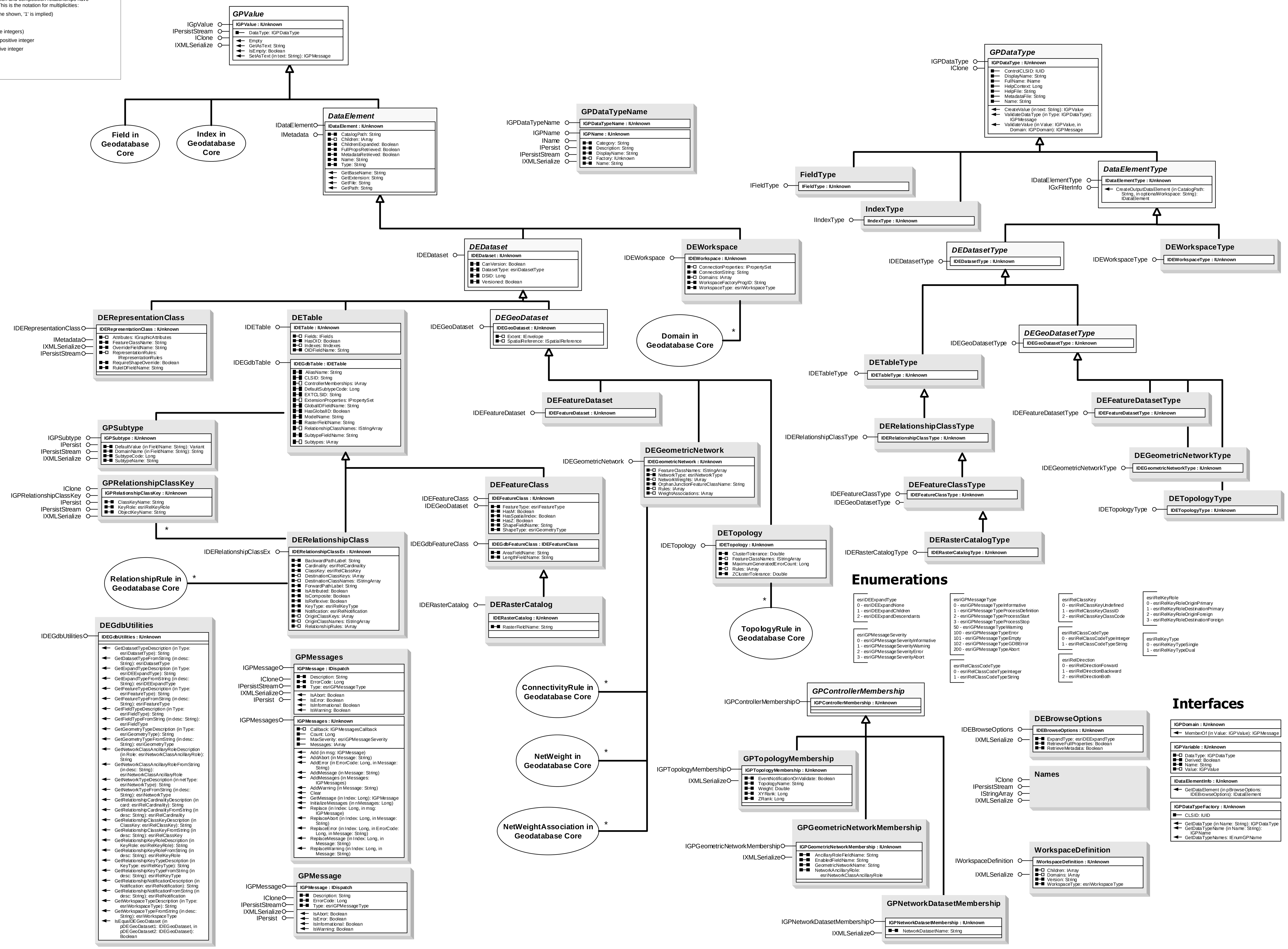

Geodatabase Object Model

Tin

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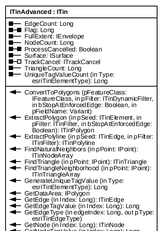

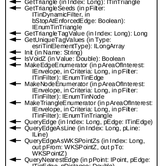

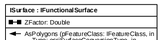

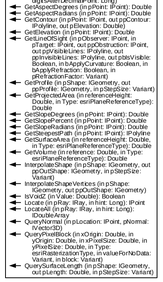

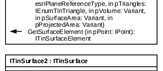

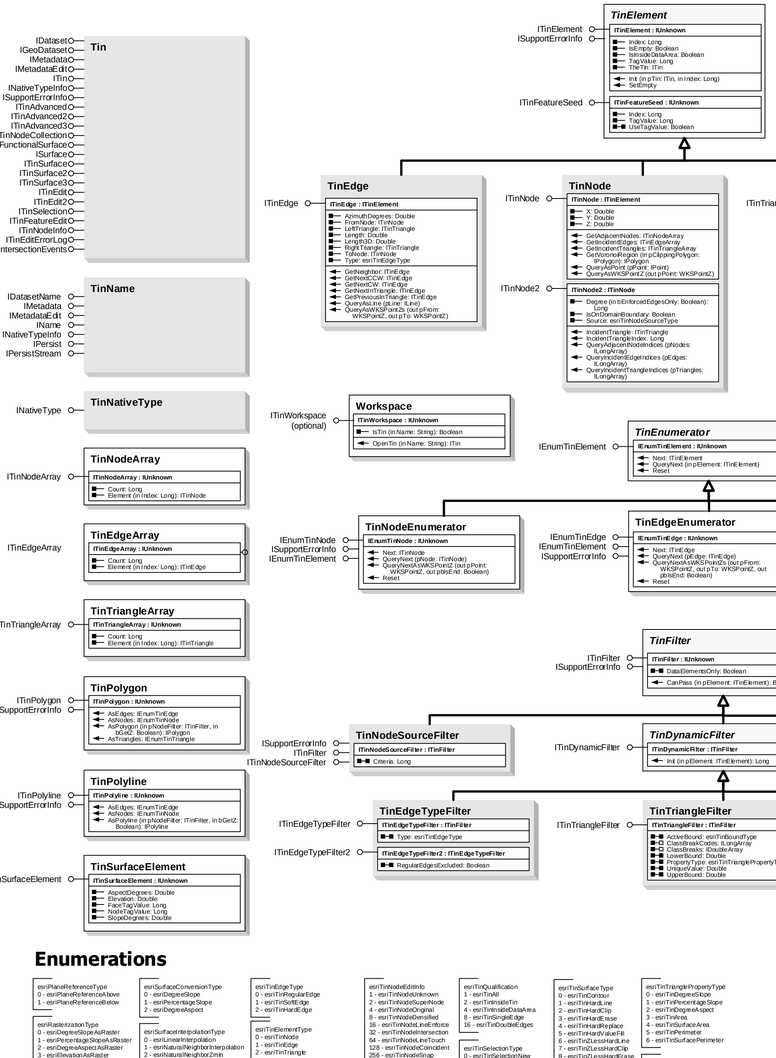

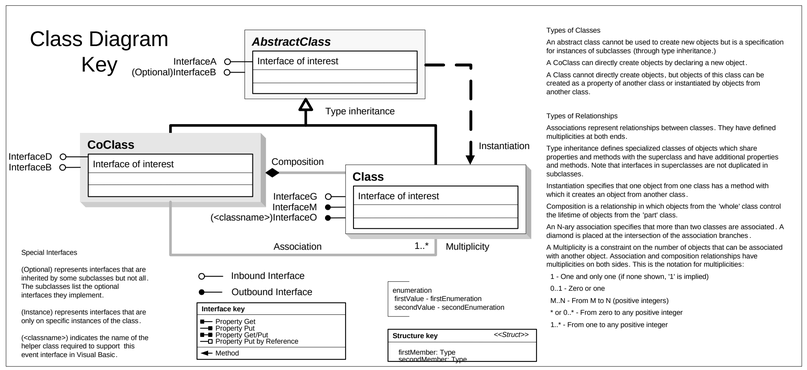

Enumerations

Geodatabase Object Model

Data Transfer

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DataConverter Objects

SimpleDataConverter

ISimpleDataConverter
IConnectionPointContainer
IFeatureProgress
ISupportErrorInfo
ISimpleDataConverter2

ISimpleDataConverter : IUnknown

- ConfigurationKeyword: String
- FlushInterval: Long
- InputDatasetName: IDatasetName
- InputQueryFilter: IQueryFilter
- IsFeatureTypeSimple: Boolean
- OutputDatasetName: IDatasetName
- OutputFeatureDatasetName: IFeatureDatasetName
- OutputFields: IFields
- OutputGeometryDef: IGeometryDef
- ParentWindowHandle: OLE_HANDLE

- Convert: IEnumInvalidObject
- Reset

ISimpleDataConverter2 : ISimpleDataConverter

- DataConvertProcess: IDataConvertProcess
- InputSelectionSet: ISelectionSet

FeatureDataConverter

IFeatureDataConverter
ISupportErrorInfo
IConnectionPointContainer
IFeatureProgress
IFeatureDataConverter2

IFeatureDataConverter : IUnknown

- ConvertFeatureClass (in InputDatasetName: IFeatureClassName, in InputQueryFilter: IQueryFilter, in outputFDatasetName: IFeatureDatasetName, in outputFClassName: IFeatureClassName, in OutputGeometryDef: IGeometryDef, in OutputFields: IFields, in configKey: String, in FlushInterval: Long, in parentHWND: OLE_HANDLE): IEnumInvalidObject
- ConvertFeatureDataset (in inputFDatasetName: IFeatureDatasetName, in outputFDatasetName: IFeatureDatasetName, in OutputGeometryDef: IGeometryDef, in configKey: String, in FlushInterval: Long, in parentHWND: OLE_HANDLE)
- ConvertTable (in InputDatasetName: IDatasetName, in InputQueryFilter: IQueryFilter, in OutputDatasetName: IDatasetName, in OutputFields: IFields, in configKey: String, in FlushInterval: Long, in parentHWND: OLE_HANDLE): IEnumInvalidObject

IFeatureDataConverter2 : IUnknown

- ConvertFeatureClass (in inputFClassName: IDatasetName, in InputQueryFilter: IQueryFilter, in InputSelectionSet: ISelectionSet, in outputFDatasetName: IFeatureDatasetName, in outputFClassName: IFeatureClassName, in OutputGeometryDef: IGeometryDef, in OutputFields: IFields, in configKey: String, in FlushInterval: Long, in parentHWND: OLE_HANDLE): IEnumInvalidObject
- ConvertFeatureDataset (in inputFDatasetName: IFeatureDatasetName, in outputFDatasetName: IFeatureDatasetName, in OutputGeometryDef: IGeometryDef, in configKey: String, in FlushInterval: Long, in parentHWND: OLE_HANDLE)
- ConvertTable (in InputDatasetName: IDatasetName, in InputQueryFilter: IQueryFilter, in InputSelectionSet: ISelectionSet, in OutputDatasetName: IDatasetName, in OutputFields: IFields, in configKey: String, in FlushInterval: Long, in parentHWND: OLE_HANDLE): IEnumInvalidObject

EnumInvalidObject

IEnumInvalidObject

IEnumInvalidObject : IUnknown

- Next: IInvalidObjectInfo
- Reset

InvalidObjectInfo

IInvalidObjectInfo

InvalidObjectInfo: IUnknown

- ErrorDescription: String
- InvalidObjectID: Long

FieldChecker

IFieldChecker

IFieldChecker : IUnknown

- InputWorkspace: IWorkspace
- ValidateDictionary: ISqlKeywordDictionary
- ValidateWorkspace: IWorkspace

- Validate (in inputField: IFields, out error: IEnumFieldError, out fixedFields: IFields)
- ValidateField (in FieldIndex: Long, in inputFields: IFields, out error: IEnumFieldError, out fixedFields: IFields)
- ValidateTableName (in TableName: String, out fixedName: String): Long

EnumFieldError

IEnumFieldError

IEnumFieldError : IUnknown

- Next: IFieldError
- Reset

FieldError

IFieldError

IFieldError: IUnknown

- FieldError: esriFieldNameErrorType
- FieldIndex: Long

GeoDBDataTransfer

IGeoDBDataTransfer
IConnectionPointContainer
IFeatureProgress
IGeoDBDataTransfer2

IGeoDBDataTransfer : IUnknown

- GenerateNameMapping (in from: IEnumName, in toName: IName, out to: IEnumNameMapping): Boolean
- NumberObjectsToTransfer (in from: IEnumNameMapping): Long
- Transfer (in from: IEnumNameMapping, in toName: IName)

IGeoDBDataTransfer2 : IGeoDBDataTransfer

- Delete (in from: IEnumNameMapping, in toName: IName)

EnumNameMapping

IEnumNameMapping

IEnumNameMapping : IUnknown

- FindDatasetName (in Name: String, in Type: esriDatasetType): INameMapping
- FindDomain (in Name: String): INameMapping
- Next: INameMapping
- Reset

NameMapping

INameMapping
INameMapping2

INameMapping : IUnknown

- Children: IEnumNameMapping
- ConfigKeyword: String
- NameConflicts: Boolean
- SourceObject: IUnknown
- TargetName: String

- GetSuggestedName (in toName: IName): String
- ValidateTargetName (in toName: IName)

INameMapping2 : INameMapping

- ConfigKeyword: String
- Created: Boolean

Workspace

IWorkspaceReplicas
IWorkspaceReplicas2
IWorkspaceReplicasAdmin3
IWorkspaceReplicaDatasets
IWorkspaceReplicasAdmin
IWorkspaceReplicasAdmin2

IWorkspaceReplicas : IUnknown

- ReplicaByGuid (in ReplicaGuid: String): IReplica
- ReplicaByID (in ReplicaID: Long): IReplica
- ReplicaByName (in replicaName: String): IReplica
- Replicas: IEnumReplica

- RefreshReplicas

IWorkspaceReplicas2 : IWorkspaceReplicas

- RefreshReplica (in ReplicaGuid: String)

IWorkspaceReplicasAdmin3 : IWorkspaceReplicasAdmin2

- ReplicasByDataset (in DatasetType: esriDatasetType, in DatasetID: Long): ILongArray

IWorkspaceReplicaDatasets : IUnknown

- ReplicaDatasetsByID (in ReplicaID: Long): IEnumReplicaDataset
- ReplicaDatasetsByName (in replicaName: String): IEnumReplicaDataset

IWorkspaceReplicasAdmin : IUnknown

- AlterReplica (in Replica: IReplica)
- RegisterReplica (in Replica: IReplica): Long
- UnregisterReplica (in Replica: IReplica, in removeCOVersion: Boolean)

IWorkspaceReplicasAdmin2 : IWorkspaceReplicasAdmin

- IsReferencedByReplica (in DatasetType: esriDatasetType, in DatasetID: Long): Boolean

- AlterReplica2 (in Replica: IReplica, in PersistParentUserInfo: Boolean)
- CanRegisterReplicaDataset (in ReplicaDataset: IReplicaDataset, in Replica: IReplica): Boolean
- CanUnregisterReplicaDataset (in ReplicaDataset: IReplicaDataset): Boolean
- RegisterReplicaDataset (in RDataset: IReplicaDataset, in filter: esriRowsType, in UseGeometry: Boolean, in QueryDef: String, in pSelID: IFIDSet, in pToReplica: IReplica)
- UnregisterReplicaDataset (in ReplicaDataset: IReplicaDataset, in Replica: IReplica)

Distributed Geodatabase Core Objects

Replica

IReplica
IReplica2
IReplica3
IReplicaEdit
IReplicaEdit2

IReplica : IUnknown

- ConnectionInfo: IWorkspaceName
- Description: IReplicaDescription
- Name: String
- Owner: String
- ParentID: Long
- ReplicaDatasets: IEnumReplicaDataset
- ReplicaDate: Double
- ReplicaGuid: String
- ReplicaID: Long
- ReplicaRole: esriReplicaType
- Version: String

IReplica2 : IReplica

- AccessType: esriReplicaAccessType
- AllReplicaDatasets: IEnumReplicaDataset
- HasConflicts: Boolean
- Log: IEnumReplicaLog
- MyGenerationNumber: Long
- ReconcilePolicyType: esriReplicaReconcilePolicyType
- ReplicaReceivingVersion: String
- ReplicaState: esriReplicaState
- SibConnectionString: String
- SibGenerationNumber: Long
- SibMyGenNumber: Long

- Init2 (in GPReplica: IGPReplica, in TargetWorkspace: IWorkspace)

IReplica3 : IReplica2

- UseArchiving: Boolean

IReplicaEdit : IUnknown

- ConnectionInfo: IWorkspaceName
- Description: IReplicaDescription
- Name: String
- Owner: String
- ParentID: Long
- ReplicaDatasets: IEnumReplicaDataset
- ReplicaDate: Double
- ReplicaGuid: String
- ReplicaID: Long
- ReplicaRole: esriReplicaType
- Version: String

- Init (in otherReplica: IReplica)

IReplicaEdit2 : IReplicaEdit

- AccessType: esriReplicaAccessType
- AllReplicaDatasets: IEnumReplicaDataset
- ReconcilePolicyType: esriReplicaReconcilePolicyType
- SibConnectionString: String
- SibMyGenNumber: Long

ReplicaDataset

IReplicaDataset
IReplicaDataset2
IReplicaDatasetEdit

IReplicaDataset : IUnknown

- DatasetID: Long
- Name: String
- ParentDatabase: String
- ParentOwner: String
- ReplicaID: Long
- Type: esriDatasetType

IReplicaDataset2 : IReplicaDataset

- TargetName: String

IReplicaDatasetEdit : IUnknown

- DatasetID: Long
- Name: String
- ParentDatabase: String
- ParentOwner: String
- ReplicaID: Long
- Type: esriDatasetType

ReplicaDescription

IReplicaDescription
IReplicaDescription2
IReplicaDescription3
IReplicaFilterDescription
IReplicaFilterDescription2
IReplicaFilterDescriptionEdit
IReplicaDescriptionExtensionManager
IXMLReplicaDescription
IPersist
IPersistStream

IReplicaDescription : IUnknown

- DatasetNames: IEnumName
- IsPrivateTable (in Index: Long): Boolean
- ReplicaModelType: esriReplicaModelType
- TableExcluded (in Index: Long): Boolean
- TableName (in Index: Long): IName
- TableNameCount: Long

- AddDatasetNames (in DatasetNames: IEnumName)
- FindTable (in DatasetName: IName): Long
- Init (in enumNames: IEnumName, in OutputWSName: IWorkspaceName, in ReuseSchema: Boolean, in deType: esriDataExtractionType)

IReplicaDescription2 : IReplicaDescription

- FetchRelatedObjects: Boolean
- RelationshipClassesInfo: IEnumRelationshipClassInfo

- FindRelationshipClassInfo (in RCName: IRelationshipClassName): IRelationshipClassInfo
- FindRelationshipClassInfoByName (in Name: String, in database: String, in Owner: String): IRelationshipClassInfo
- FindTable2 (in Name: String, in database: String, in Owner: String, in Type: esriDatasetType): long

IReplicaDescription3 : IReplicaDescription2

- AccessType: esriReplicaAccessType
- ReplicaEnumNameMapping: IEnumNameMapping

IReplicaFilterDescription : IUnknown

- Geometry: IGeometry
- RowsType (in Index: Long): esriRowsType
- SpatialRelation: esriSpatialRelEnum
- TableDefQuery (in Index: Long): String
- TableSelection (in Index: Long): ISelectionSet
- TableUsesDefQuery (in Index: Long): Boolean

- TableUsesQueryGeometry (in Index: Long): Boolean
- TableUsesSelection (in Index: Long): Boolean

IReplicaFilterDescription2 : IReplicaFilterDescription

- TableSelectionIDs (in Index: Long): IFIDSet

IReplicaFilterDescriptionEdit : IUnknown

- Geometry: IGeometry
- RowsType (in Index: Long): esriRowsType
- SpatialRelation: esriSpatialRelEnum
- TableDefQuery (in Index: Long): String
- TableSelection (in Index: Long): ISelectionSet
- TableUsesDefQuery (in Index: Long): Boolean

- TableUsesQueryGeometry (in Index: Long): Boolean
- TableUsesSelection (in Index: Long): Boolean

IReplicaDescriptionExtensionManager : IUnknown

- Extension (in Index: Long): IReplicaDescriptionExtension
- ExtensionCount: Long

- FindExtension (in pGUID: IUID): Long
- RegisterExtension (in rdExtension: IReplicaDescriptionExtension)
- UnRegisterExtension (in pGUID: IUID)

IXMLReplicaDescription : IUnknown

- BinaryGeometry: Boolean
- Compressed: Boolean
- OutputXMLFile: String

- Init2 (in enumNames: IEnumName, in OutputXMLFile: String, in BinaryGeometry: Boolean, in Compressed: Boolean, in deType: esriDataExtractionType)

ReplicaDescriptionExtension

IReplicaDescriptionExtension

IReplicaDescriptionExtension : IUnknown

- GUID: IUID
- Name: String

Enumerations

esriDataExtractionType
1 - esriDataExtraction
2 - esriDataCheckOut
3 - esriDataReplication
4 - esriDataXMLExport
5 - esriDataXMLCheckOut
6 - esriDataXMLExtraction
7 - esriDataXMLReplication
8 - esriRegisterXMLCheckOut
9 - esriRegisterCheckOut
10 - esriRegisterXMLReplica
11 - esriRegisterReplica

esriReplicaType
1 - esriReplicaTypeChild
2 - esriReplicaTypeParent
4 - esriCheckOutTypeChild
8 - esriCheckOutTypeParent
15 - esriReplicaTypeAny

esriReplicaModelType
1 - esriModelTypeSimple
2 - esriModelTypeFullGeodatabase

esriRowsType
0 - esriRowsTypeNone
1 - esriRowsTypeAll
2 - esriRowsTypeFilter

esriReplicaAccessType
0 - esriReplicaAccessNone
1 - esriReplicaChildReadOnly
2 - esriReplicaParentReadOnly
3 - esriReplicaBothReadWrite
4 - esriReplicaParentOrChildReadOnly

Enumerations

esriDataConverterError
0 - S_DATACONVERTER_OK
513 - E_DATACONVERTER_OPENFEATURECLASSFAILED
514 - E_DATACONVERTER_OPENTABLEFAILED
515 - E_DATACONVERTER_OPENFEATUREDATASETFAILED
516 - E_DATACONVERTER_OPENFEATUREWORKSPACEFAILED
517 - E_DATACONVERTER_CREATEFEATURECLASSFAILED
518 - E_DATACONVERTER_CREATETABLEFAILED
519 - E_DATACONVERTER_WRITEFEATURESFAILED
520 - E_DATACONVERTER_WRITEROWSFAILED
521 - E_DATACONVERTER_UNLOADFAILED
522 - E_DATACONVERTER_OPENCURSORFAILED
523 - E_DATACONVERTER_OPENINSERTCURSORFAILED
524 - E_DATACONVERTER_INSERTCURSORFAILED
525 - E_DATACONVERTER_CANCELLED
526 - E_DATACONVERTER_MATCHINPUTFIELDSETFAILED
527 - E_DATACONVERTER_FLUSHINSERTCURSORFAILED
528 - E_DATACONVERTER_ACQUIRESCHEMALOCKFAILED
529 - E_DATACONVERTER_INVALID_INPUT_DATASET_NAME
530 - E_DATACONVERTER_CANNOT_CREATE_FEATURE_DATASET
531 - E_DATACONVERTER_ERROR_READ_ROWS
532 - E_DATACONVERTER_ERROR_READ_ALL_ROWS

esriFieldNameErrorType
0 - esriNoFieldError
1 - esriSQLReservedWord
2 - esriDuplicatedFieldName
3 - esriInvalidCharacter
4 - esriInvalidFieldNameLength

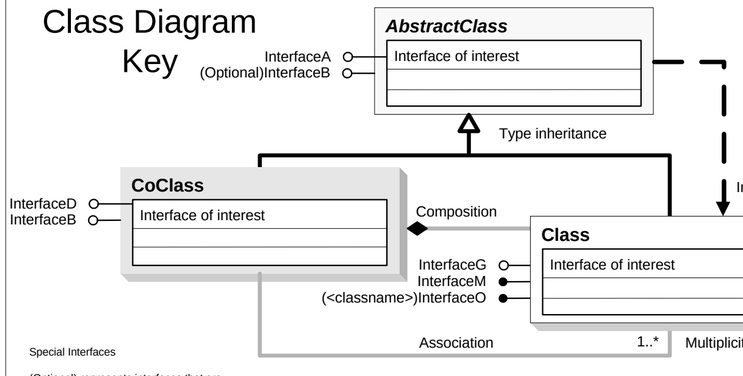
Interfaces

ISqlKeywordDictionary : IUnknown

- Count: Long
- Name: String

- Add (in reservedWord: String)
- Empty
- FindKeyword (in keyword: String): Boolean
- Remove (in reservedWord: String)
- Reset

Class Diagram Key



Special Interfaces

(Optional) represents interfaces that are inherited by some subclasses but not all. The subclasses list 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 Put
- Property Get/Put
- 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)

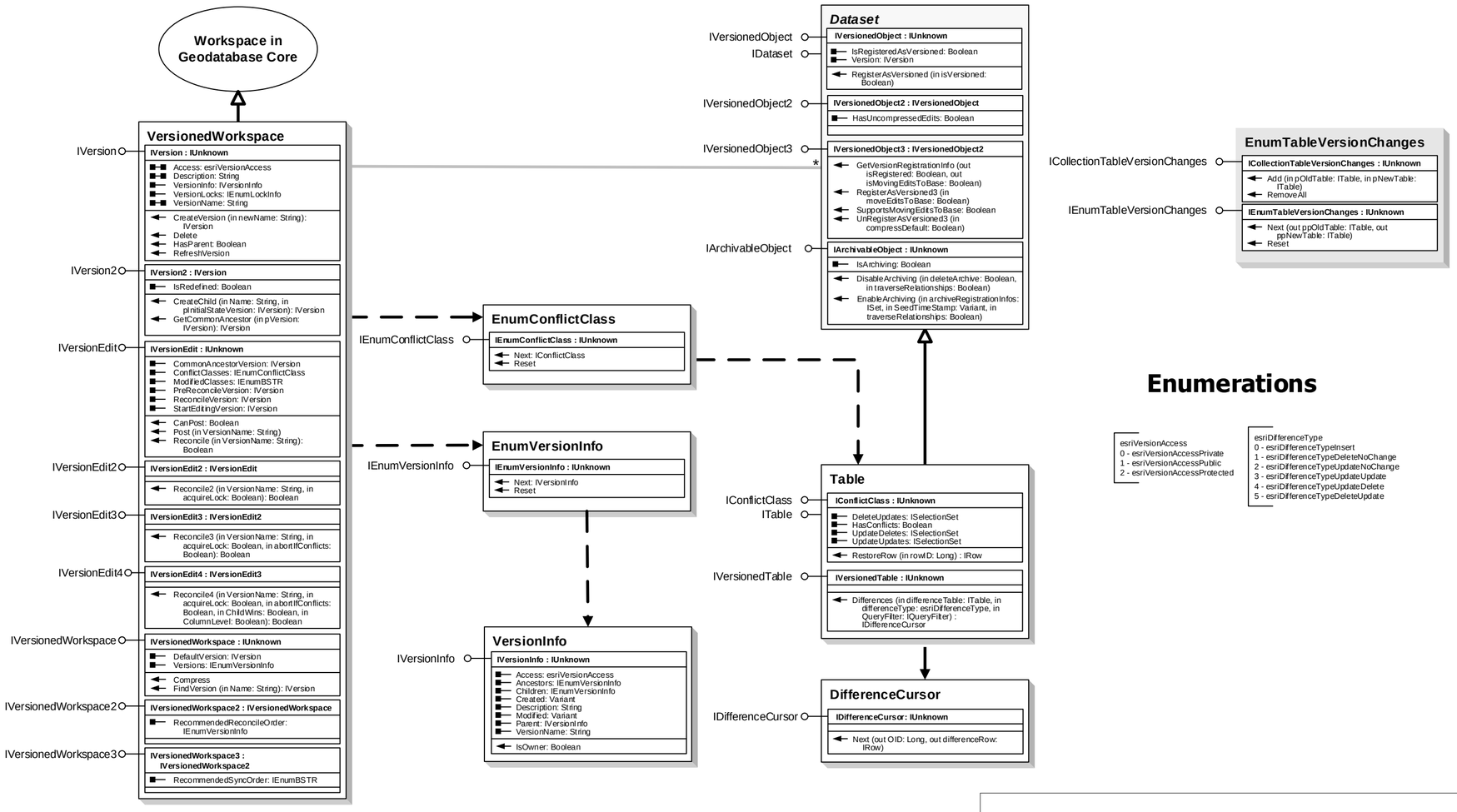
* or 0..* - From zero to any positive integer

1..* - From one to any positive integer

Geodatabase Object Model

Versioning

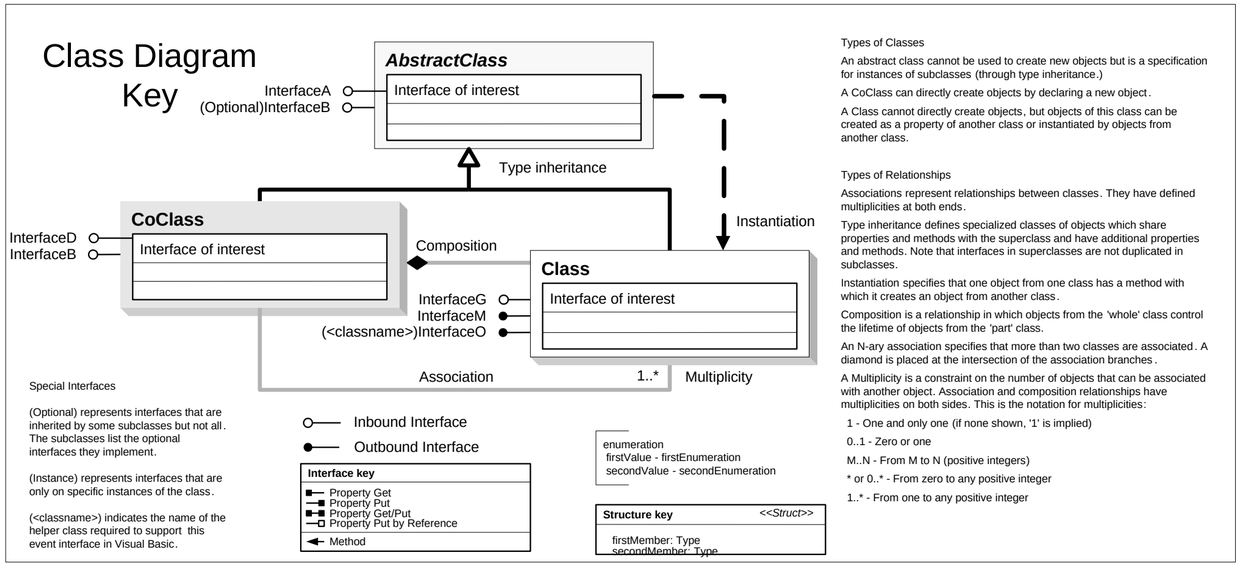
Esri® ArcGIS® 10.5



Enumerations

esriVersionAccess
0 - esriVersionAccessPrivate
1 - esriVersionAccessPublic
2 - esriVersionAccessProtected

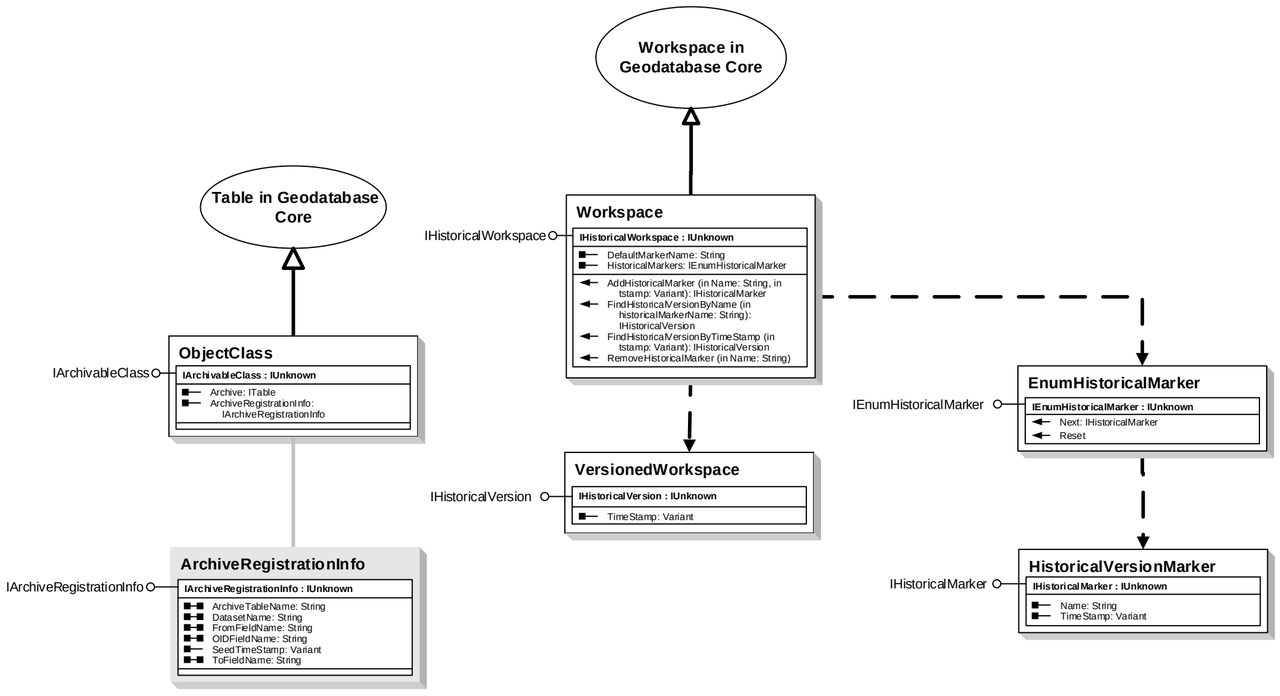
esriDifferenceType
0 - esriDifferenceTypeInsert
1 - esriDifferenceTypeDeleteNoChange
2 - esriDifferenceTypeUpdateNoChange
3 - esriDifferenceTypeUpdateUpdate
4 - esriDifferenceTypeUpdateDelete
5 - esriDifferenceTypeDeleteUpdate

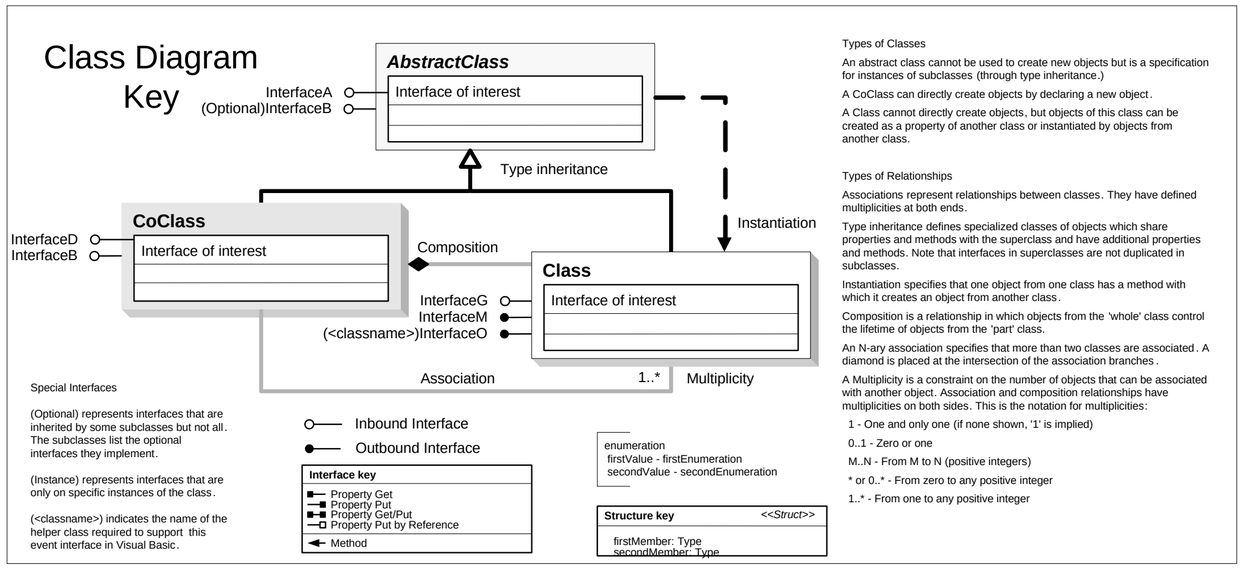


Geodatabase Object Model

Archiving

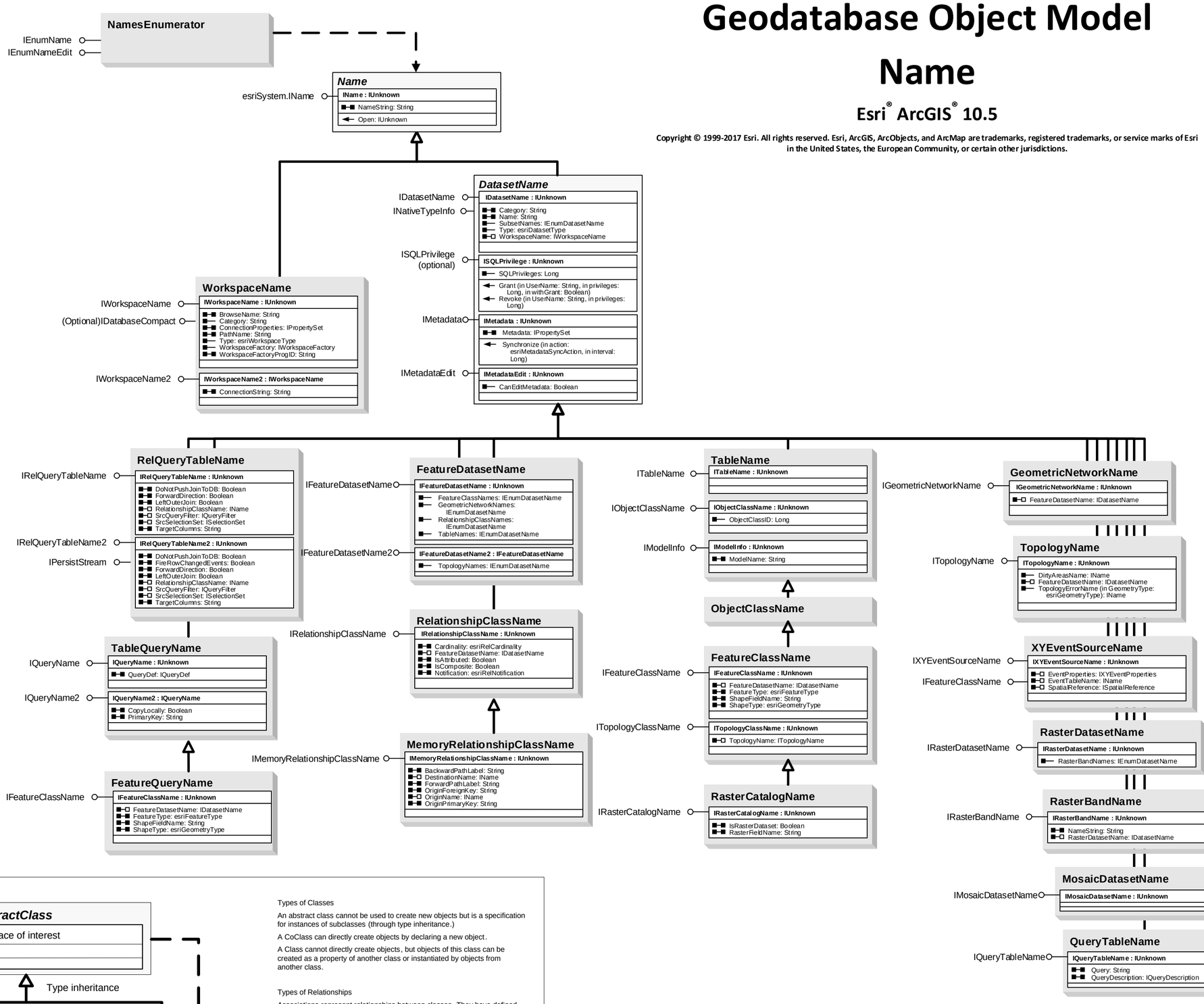
Esri® ArcGIS® 10.5

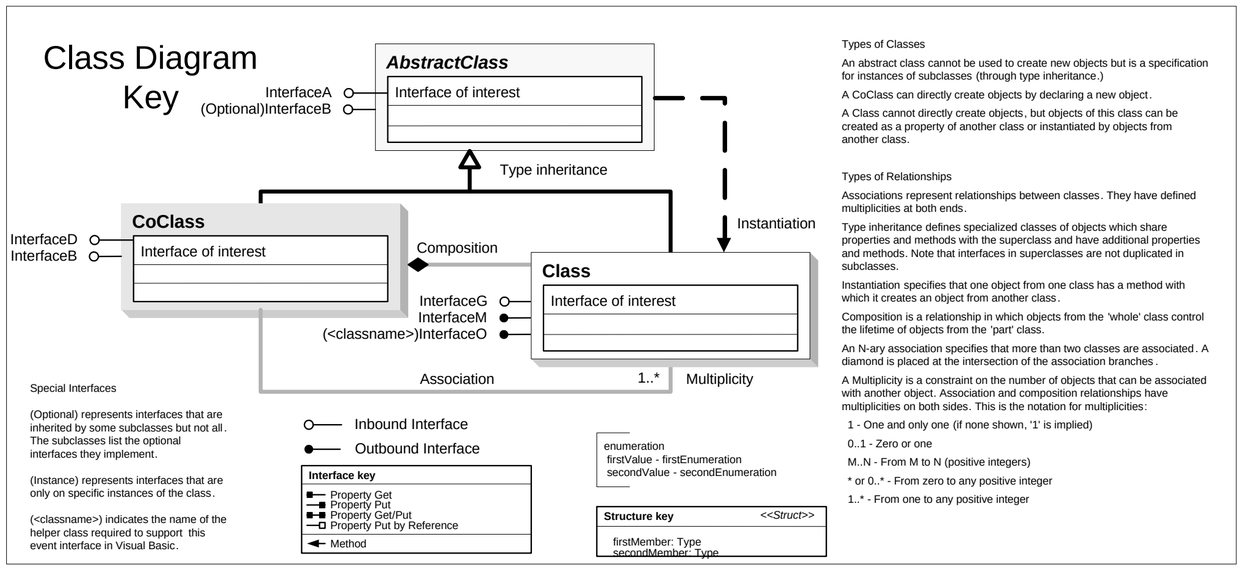




Geodatabase Object Model Name

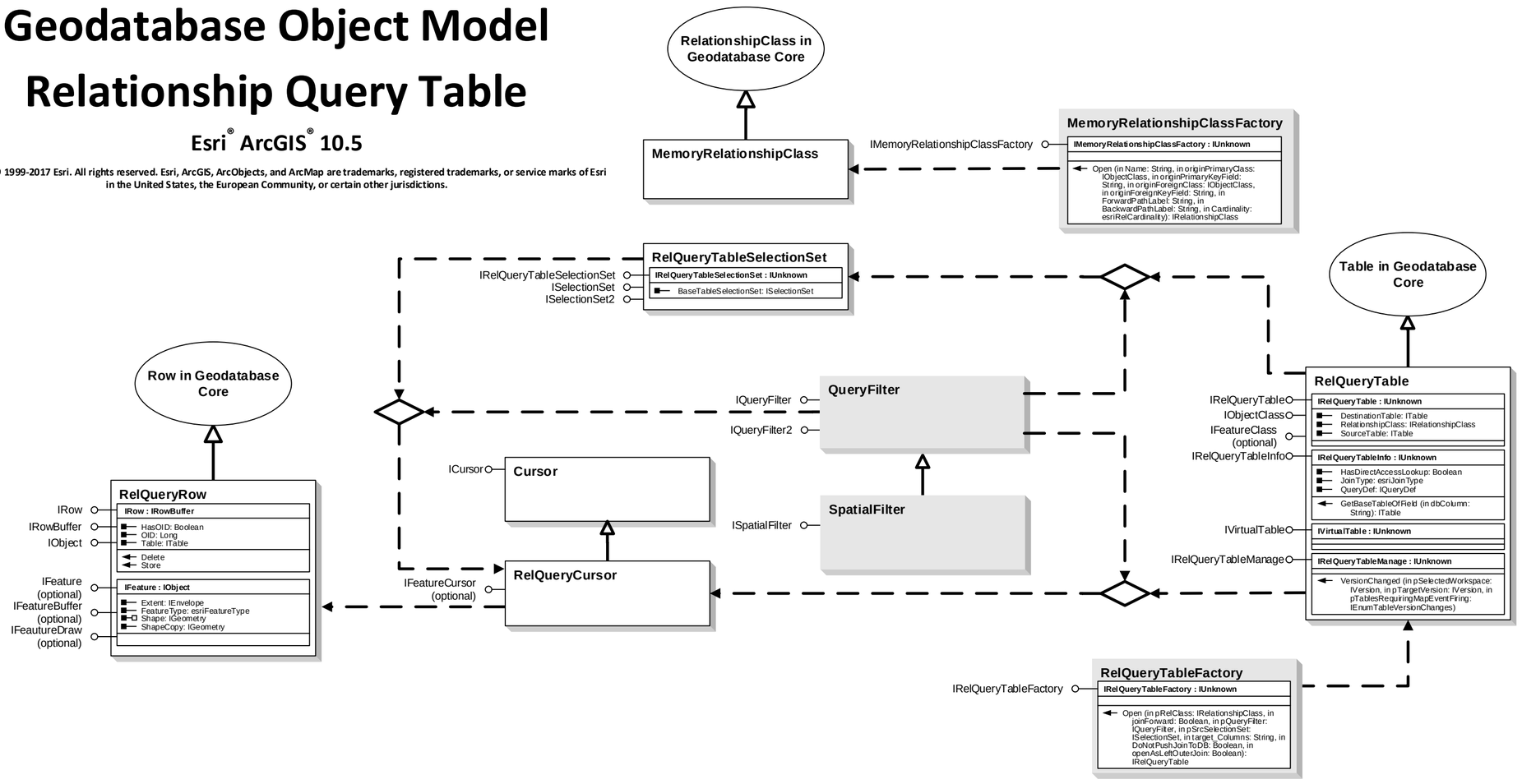
Esri® ArcGIS® 10.5

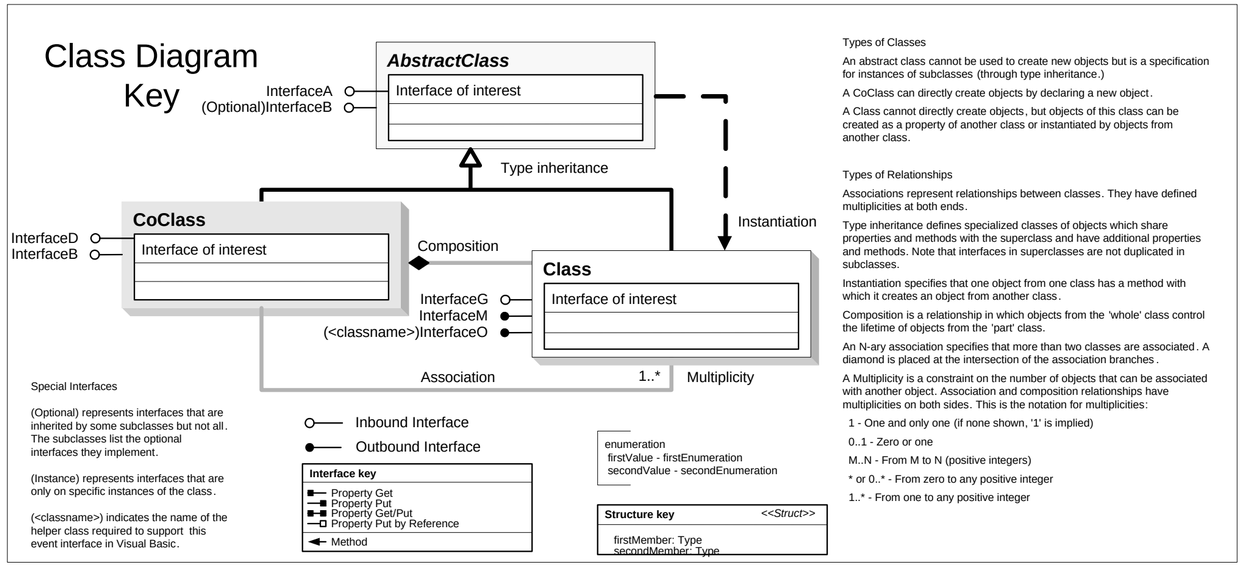




Geodatabase Object Model
Relationship Query Table

Esri® ArcGIS® 10.5

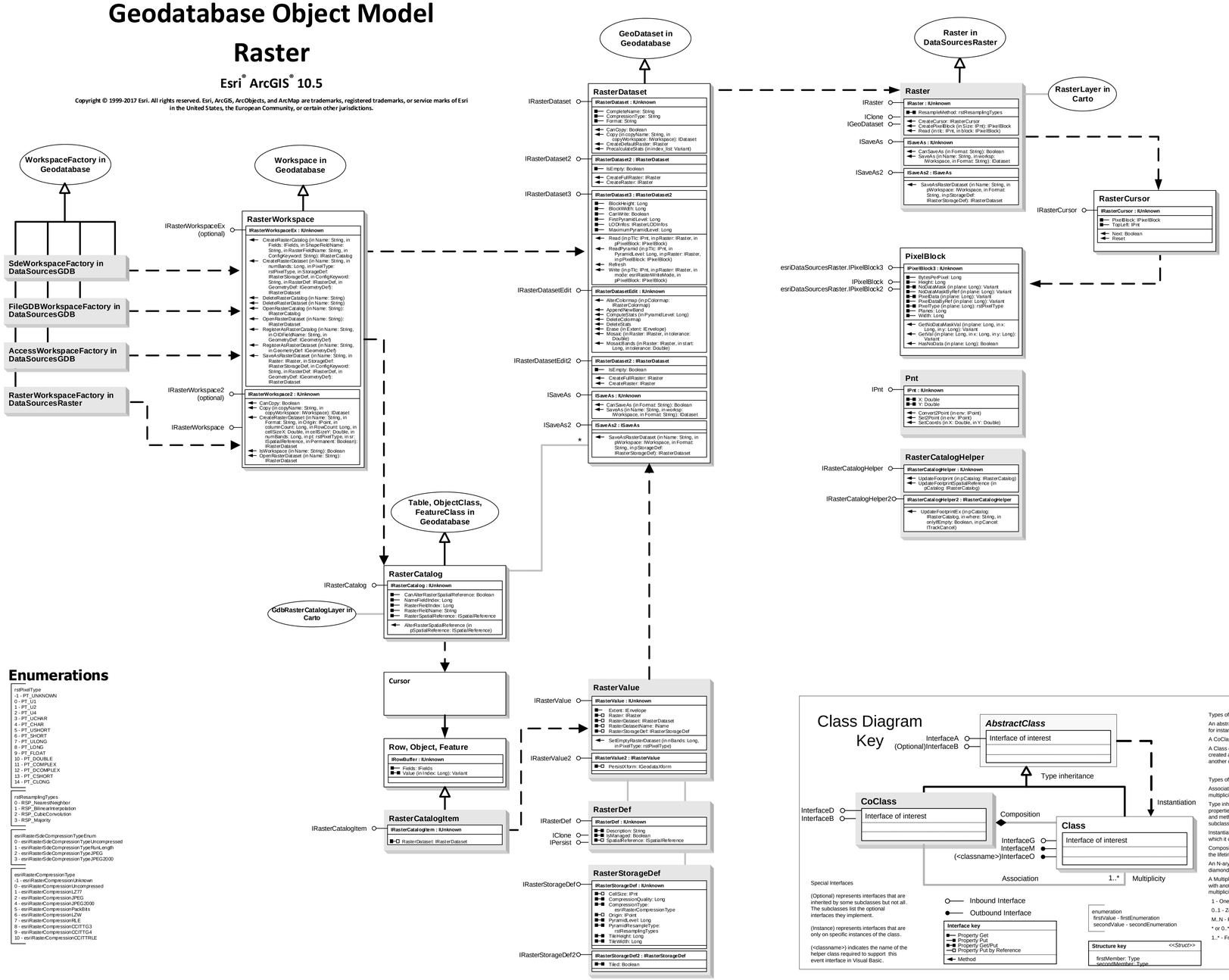




Geodatabase Object Model

Raster

Esri® ArcGIS® 10.5



Enumerations

rstPixelType
-1 - PT_UNKNOWN
0 - PT_U1
1 - PT_U2
2 - PT_U4
3 - PT_UCHAR
4 - PT_CHAR
5 - PT_USHORT
6 - PT_SHORT
7 - PT_ULONG
8 - PT_LONG
9 - PT_FLOAT
10 - PT_DOUBLE
11 - PT_COMPLEX
12 - PT_DCOMPLEX
13 - PT_CSHORT
14 - PT_CLONG

rstResamplingTypes
0 - RSP_NearestNeighbor
1 - RSP_BilinearInterpolation
2 - RSP_CubicConvolution
3 - RSP_Majority

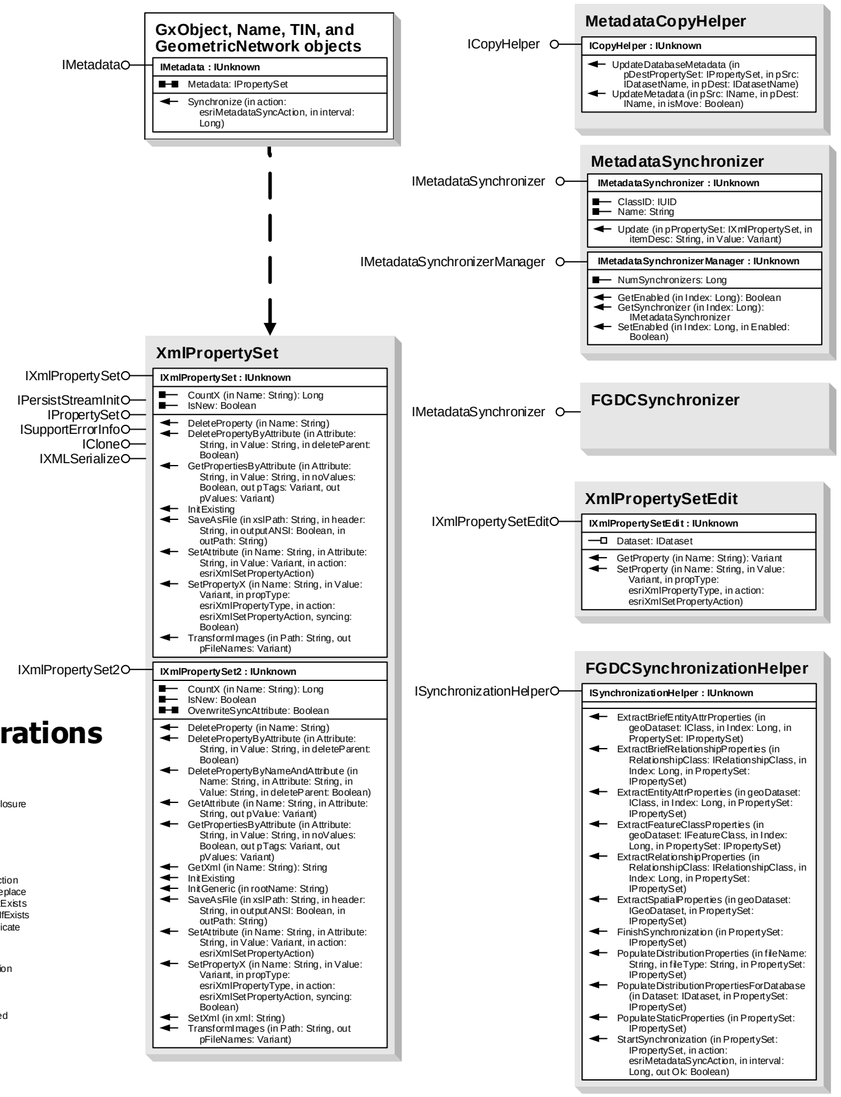
esriRasterSdeCompressionTypeEnum
0 - esriRasterSdeCompressionTypeUncompressed
1 - esriRasterSdeCompressionTypeRunLength
2 - esriRasterSdeCompressionTypeJPEG
3 - esriRasterSdeCompressionTypeJPEG2000

esriRasterCompressionType
-1 - esriRasterCompressionUnknown
0 - esriRasterCompressionUncompressed
1 - esriRasterCompressionLZ77
2 - esriRasterCompressionJPEG
4 - esriRasterCompressionJPEG2000
5 - esriRasterCompressionPackBits
6 - esriRasterCompressionLZW
7 - esriRasterCompressionRLE
8 - esriRasterCompressionCCITTG3
9 - esriRasterCompressionCCITTG4
10 - esriRasterCompressionCCITTRLE

Geodatabase Object Model

Metadata

Esri® ArcGIS® 10.5

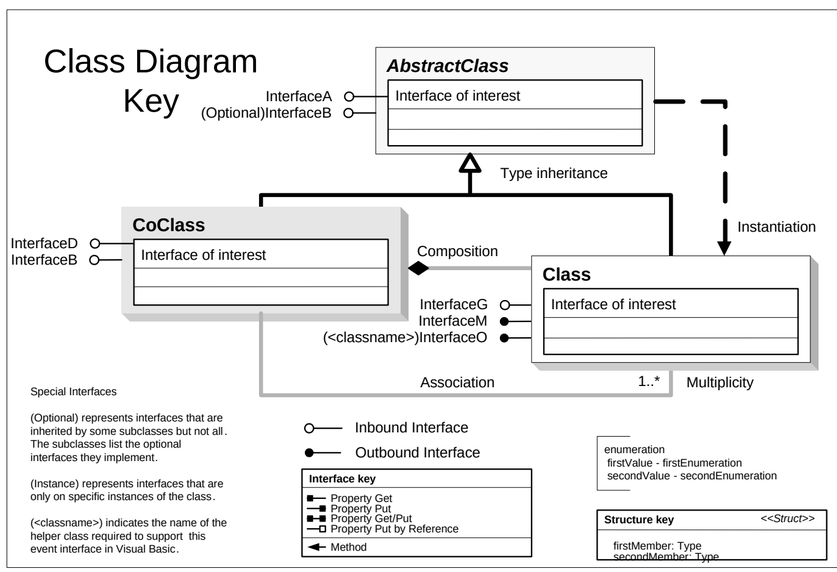


Enumerations

esriXmlPropertyType
0 - esriXPTText
1 - esriXPTBinaryEnclosure
2 - esriXPTLink
3 - esriXPTPicture
4 - esriXPTImage

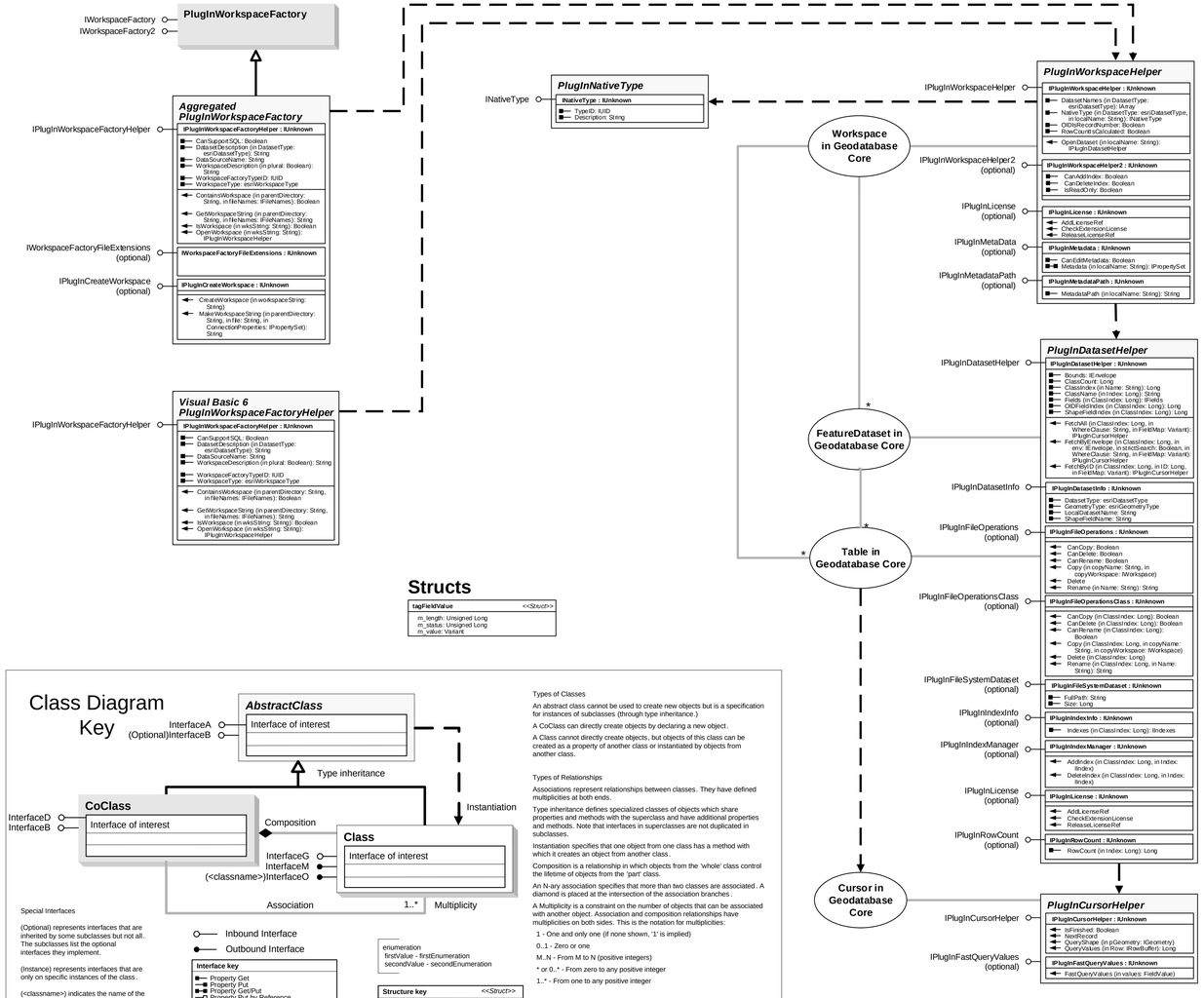
esriXmlSetPropertyAction
0 - esriXSPAAddOrReplace
1 - esriXSPAAddIfNotExists
2 - esriXSPAReplaceIfExists
3 - esriXSPAAddDuplicate

esriMetadataSyncAction
0 - esriMSAAccessed
1 - esriMSAAlways
2 - esriMSACreated
3 - esriMSANotCreated
4 - esriMSAOverwrite



Geodatabase Object Model
Plug-in Data Source

Esri® ArcGIS® 10.5



Structs

tagFieldValue	<<Struct>>
m_length: Unsigned Long m_status: Unsigned Long m_value: Variant	

Network Dataset Object Model

Esri® ArcGIS® 10.5

Workspace in Geodatabase Core

GeoDataset in Geodatabase Core

DEGeoDatasetType in GP DataTypes

DEGeoDataset in GP ValueObjects

Dataset in Geodatabase Core

FeatureDatasetName in Geodatabase Name

DatasetName in Geodatabase Name

Enumerations

esriNetworkAttributeAdjustmentType
0 - esriNAATScale
1 - esriNAATAdd
2 - esriNAATReplace

esriNetworkAttributeDataType
0 - esriNADTInteger
1 - esriNADTFloat
2 - esriNADTDouble
3 - esriNADTBoolean

esriNetworkAttributePiecewiseUsageType
0 - esriNAPUTGeneral
1 - esriNAPUTRestriction

esriNetworkAttributeUnits
0 - esriNAUUnknown
1 - esriNAUInches
2 - esriNAUFeet
4 - esriNAUYards
5 - esriNAUMiles
6 - esriNAUNauticalMiles
7 - esriNAUMillimeters
8 - esriNAUCentimeters
9 - esriNAUMeters
10 - esriNAUKilometers
11 - esriNAUDecimalDegrees
12 - esriNAUDecimeters
20 - esriNAUSeconds
21 - esriNAUMinutes
22 - esriNAUHours
23 - esriNAUDays
30 - esriNAUMilesPerHour
31 - esriNAUKilometersPerHour

esriNetworkAttributeUsageType
0 - esriNAUTCost
1 - esriNAUTDescriptor
2 - esriNAUTRestriction
3 - esriNAUTHierarchy

esriNetworkDataSetState
0 - esriNDSUnbuilt
1 - esriNDSBuilt
2 - esriNDSEmpty

esriNetworkDatasetType
0 - esriNDTUnknown
1 - esriNDTGeodatabase
2 - esriNDTShapefile
3 - esriNDTSDC

esriNetworkEdgeConnectivityPolicy
0 - esriNECPAnyVertex
1 - esriNECPEndVertex

esriNetworkEdgeDirection
0 - esriNEDNone
1 - esriNEDAlongDigitized
2 - esriNEDAgainstDigitized

esriNetworkElementType
1 - esriNETJunction
2 - esriNETEdge
3 - esriNETTurn

esriNetworkElevationModel
0 - esriNEMNone
1 - esriNEMElevationFields
2 - esriNEMZCoordinates

esriNetworkForwardStarBacktrack
0 - esriNFSBNoBacktrack
1 - esriNFSBAllowBacktrack
2 - esriNFSBADeadEndsOnly
3 - esriNFSBADeadEndsAndIntersections

esriNetworkJunctionConnectivityPolicy
0 - esriNJCPHonor
1 - esriNJCPOverride

esriNetworkRoadCategory
0 - esriNRCNone
1 - esriNRCLocal
2 - esriNRCSecondary
4 - esriNRCPrimary
6 - esriNRCMajor
7 - esriNRCAny

esriNetworkSourceType
0 - esriNSTNetworkSource
1 - esriNSTSystemJunction
2 - esriNSTJunctionFeature
3 - esriNSTEdgeFeature
4 - esriNSTTurnFeature

esriNetworkTimeUsage
1 - esriNTUBeforeTraversal
2 - esriNTUAfterTraversal

esriNetworkTurnAngleCategory
0 - esriNTACStraight
1 - esriNTACReverse
2 - esriNTACRight
3 - esriNTACLeft

esriNetworkTurnParticipationType
0 - esriNTPTNone
1 - esriNTPTInterior
2 - esriNTPTExterior

esriNetworkTurnType
0 - esriNTTImplicit
1 - esriNTTExplicit

esriRoadClass
0 - esriRCUnknown
1 - esriRCStreet
2 - esriRCHighway
3 - esriRCRamp
4 - esriRCFerry
5 - esriRCRoundabout
6 - esriRCMajorRoad

Class Diagram Key

InterfaceA
(Optional)InterfaceB
AbstractClass
Interface of interest
Type inheritance
Instantiation
CoClass
InterfaceD
InterfaceB
Interface of interest
Composition
Class
InterfaceG
InterfaceM
(<classname>)InterfaceO
Interface of interest
Association
1..*
Multiplicity

Special Interfaces

(Optional) represents interfaces that are inherited by some subclasses but not all. The subclasses list 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 Put
Property Get/Put
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.

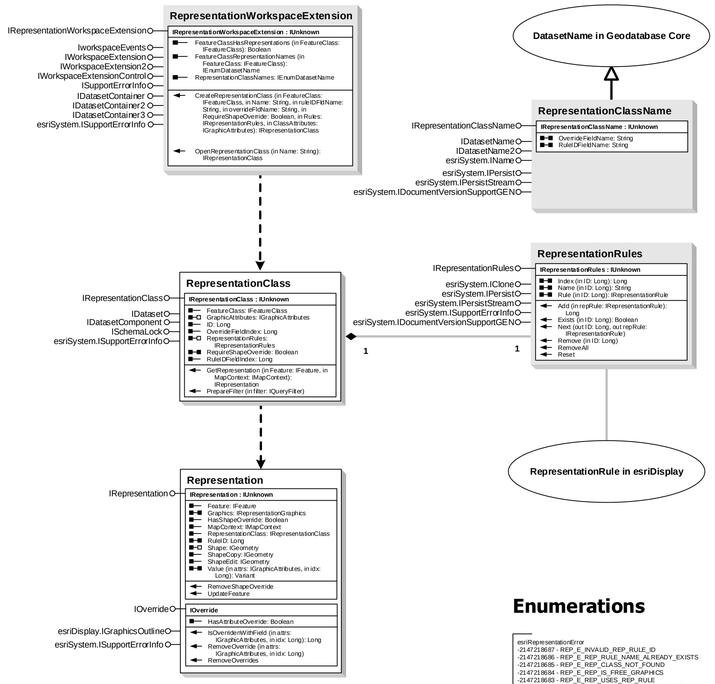
An N-ary association specifies that more than two classes are associated. A diamond is placed at the intersection of the association branches.

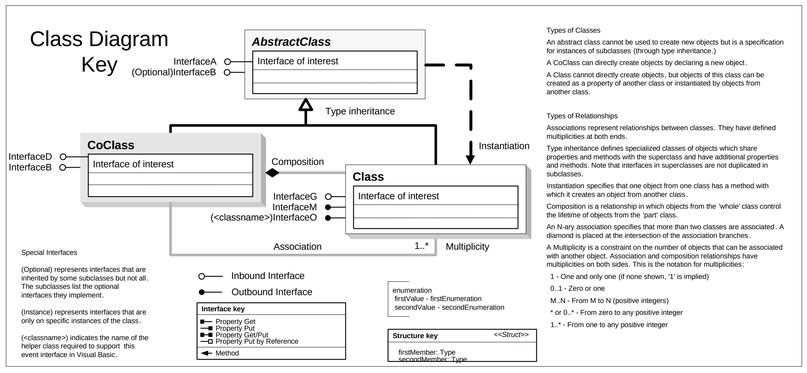
A Multiplicity is a constraint on the number of objects that can be associated with another object. Association and composition relationships have multiplicities on both sides. This is the notation for multiplicities:

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

Geodatabase Object Model
Representation Class

Esri® ArcGIS® 10.5





Enumerations

esriRepresentationError
-2147218687 - REP_E_INVALID_REP_RULE_ID
-2147218686 - REP_E_REP_RULE_NAME_ALREADY_EXISTS
-2147218685 - REP_E_REP_CLASS_NOT_FOUND
-2147218684 - REP_E_REP_IS_FREE_GRAPHICS
-2147218683 - REP_E_REP_USES_REP_RULE
-2147218682 - REP_E_CANT_ACQUIRE_SCHEMA_LOCK
-2147218681 - REP_E_OBJECT_IS_DELETED
-2147218680 - REP_E_NO_REP_RULES
-2147218679 - REP_E_WORKSPACE_DOESNT_SUPPORT_REP_EXTENSION
-2147218678 - REP_E_FEATURE_TYPE_NOT_SUPPORTED
-2147218677 - REP_E_GEODATABASE_DOESNT_SUPPORT_REPRESENTATIONS
-2147218676 - REP_E_NO_REP_SYSTEM_TABLES
-2147218675 - REP_E_REP_CLASS_NAME_ALREADY_EXISTS
-2147218674 - REP_E_FIELD_NAME_ALREADY_EXISTS
-2147218673 - REP_E_NAME_HAS_INVALID_CHARACTERS
-2147218672 - REP_E_MUST_BE_THE_OWNER
-2147218671 - REP_E_INVALID_LICENSE
-2147218670 - REP_E_COMPRESSED_FEATURE_CLASS

Geodatabase Object Model
Query Classes

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