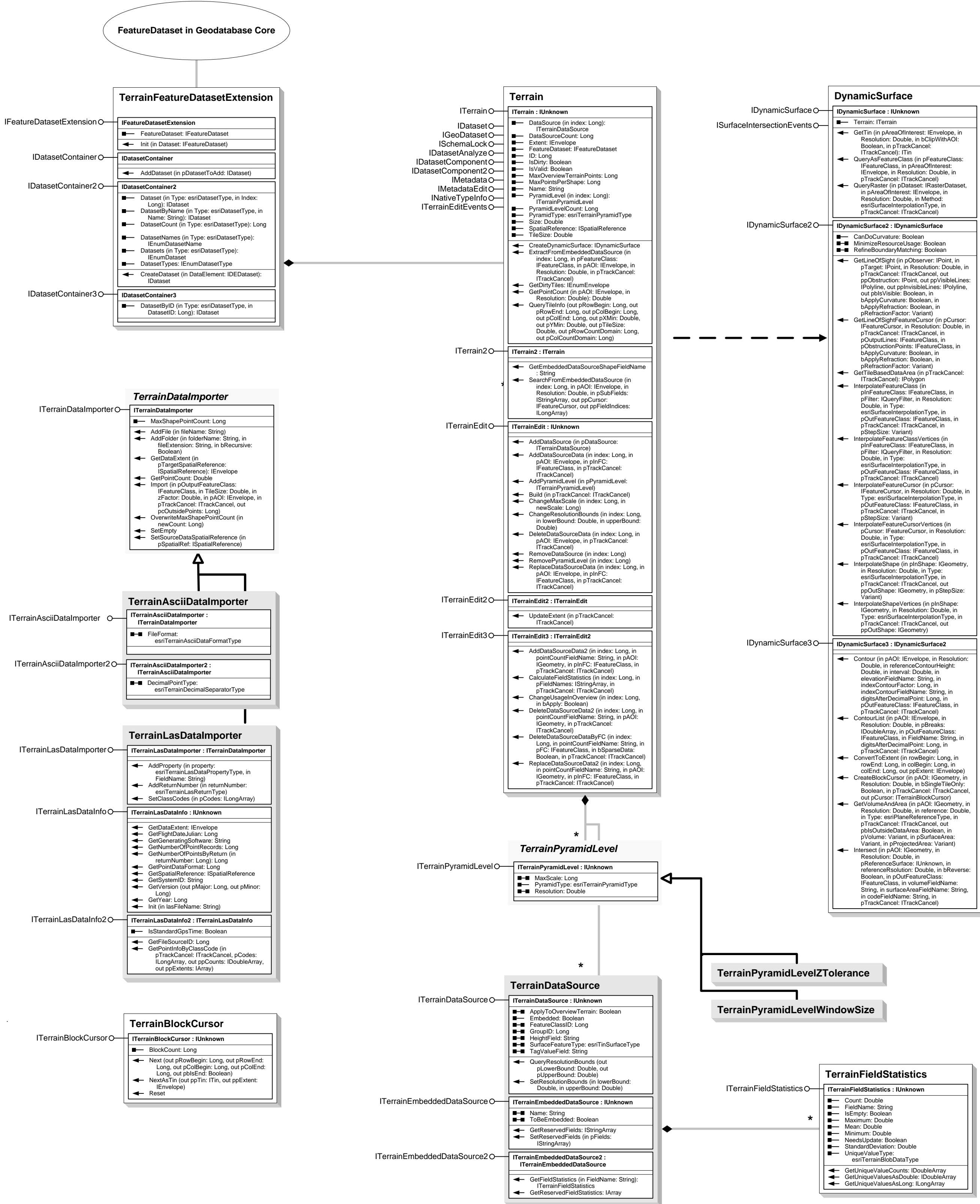
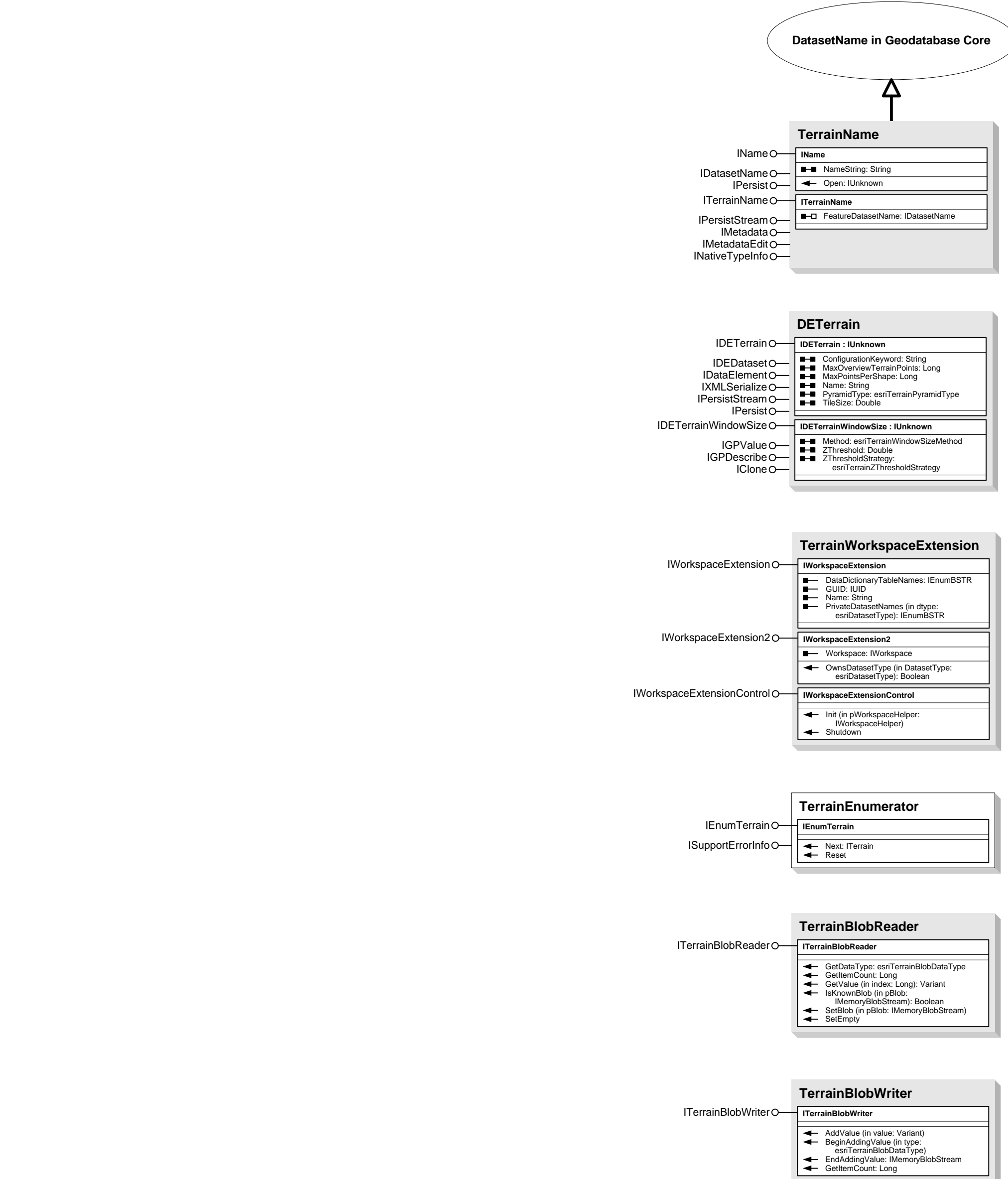
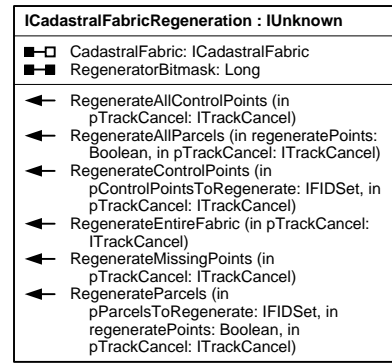


GeodatabaseExtensions Object Model

Terrain

Esri® ArcGIS® 10.1

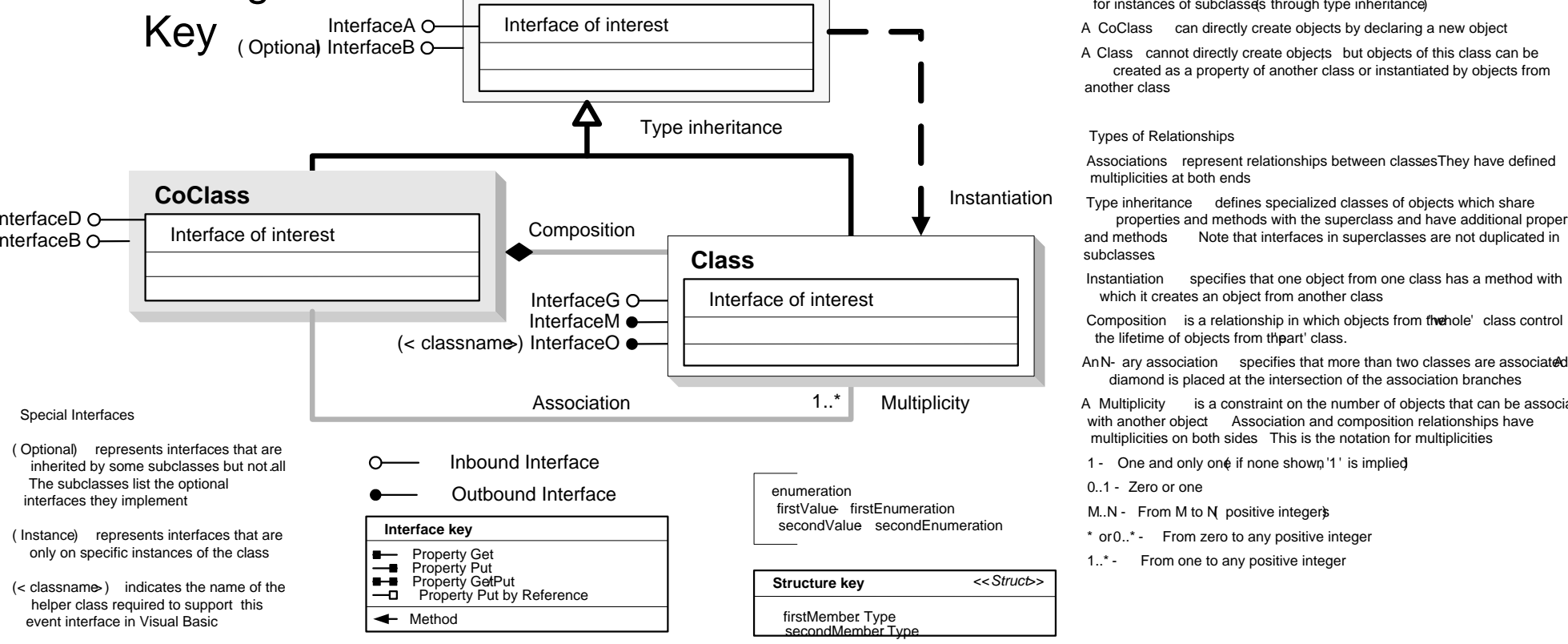
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Enumerations

- esriTerrainPyramidType
 - 0 - esriTerrainPyramidTolerance
 - 1 - esriTerrainPyramidWindowSize
- esriTerrainWindowSizeMethod
 - 0 - esriTerrainWindowSizeZmin
 - 1 - esriTerrainWindowSizeZmax
 - 2 - esriTerrainWindowSizeZmaxZmin
 - 3 - esriTerrainWindowSizeZaverage
- esriTerrainThresholdStrategy
 - 1 - esriTerrainThresholdMildThinning
 - 2 - esriTerrainThresholdModerateThinning
 - 3 - esriTerrainThresholdAggressiveThinning
- esriTerrainAsciiDataFormatType
 - 0 - esriTerrainAsciiDataFormatGenerate
 - 1 - esriTerrainAsciiDataFormatXYZ
 - 2 - esriTerrainAsciiDataFormatXYZI
- esriTerrainDecimalsSeparatorType
 - 0 - esriTerrainDecimalsSeparatorPoint
 - 1 - esriTerrainDecimalsSeparatorComma
- esriTerrainLastReturnAll
 - 1 - esriTerrainLastReturn1
 - 2 - esriTerrainLastReturn2
 - 4 - esriTerrainLastReturn4
 - 8 - esriTerrainLastReturn8
 - 16 - esriTerrainLastReturn16
 - 1 - esriTerrainLastReturnAll
- esriTerrainBlobDataType
 - 1 - esriTerrainChar
 - 2 - esriTerrainUChar
 - 3 - esriTerrainShort
 - 4 - esriTerrainLong
 - 5 - esriTerrainInt
 - 6 - esriTerrainLong
 - 7 - esriTerrainFloat
 - 8 - esriTerrainDouble
- esriTerrainError
 - 2147205100 - E_TERRAIN_INVALID_DATA_SOURCE
 - 2147205110 - E_TERRAIN_DATA_SOURCE_EXISTS
 - 2147205115 - E_TERRAIN_INDEX_OUT_OF_RANGE
 - 2147205117 - E_TERRAIN_NOT_INITIALIZED
 - 2147205119 - E_TERRAIN_CANCELLED
 - 2147205115 - E_TERRAIN_EDIT_SESSION_REQUIRED
 - 2147205114 - E_TERRAIN_MUST_BE_ZLESS
 - 2147205113 - E_TERRAIN_FILE_EXISTS
 - 2147205112 - E_TERRAIN_FILE_NOT_EXISTS
 - 2147205111 - E_TERRAIN_ALREADY_EXISTS
 - 2147205110 - E_TERRAIN_FILE_READ_ERROR
 - 2147205109 - E_TERRAIN_NOT_MATCH
 - 2147205108 - E_TERRAIN_WRONG_FORMAT
 - 2147205107 - E_TERRAIN_NO_RETURN
 - 2147205106 - E_TERRAIN_BAD_SHAPE
 - 2147205105 - E_TERRAIN_NOT_NULL_IPONIT
 - 2147205104 - E_TERRAIN_UNKNOWN_FIELD
 - 2147205103 - E_TERRAIN_FC_OUTSIDE
 - 2147205102 - E_TERRAIN_TOLERANCE_EXISTS
 - 2147205101 - E_TERRAIN_INVALID_TERRAIN
 - 2147205100 - E_TERRAIN_INVALID_DEFINITION
 - 2147205099 - E_TERRAIN_IN_EDIT_SESSION
 - 2147205098 - E_TERRAIN_INVALID_BOUNDS
 - 2147205097 - E_TERRAIN_BOUNDS_OVERLAP
 - 2147205096 - E_TERRAIN_WRONG_GEOMETRY_TYPE
 - 2147205095 - E_TERRAIN_WRONG_OVERLAP
 - 2147205094 - E_TERRAIN_MIXING_2D_AND_3D
 - 2147205093 - E_TERRAIN_TOO_MANY_BASIS
 - 2147205092 - E_TERRAIN_NOT_BE_GROUPED
 - 2147205091 - E_TERRAIN_WRONG_SR_TYPE
 - 2147205090 - E_TERRAIN_ALREADY_EXISTS
 - 2147205089 - E_TERRAIN_CHANGE_CLASS_ID
 - 2147205088 - E_TERRAIN_NOT_MATCH
 - 2147205087 - E_TERRAIN_NULL_FIELD_VALUE
 - 2147205086 - E_TERRAIN_FIELD_NULLABLE
 - 2147205085 - E_TERRAIN_TERRAIN_NOT_FOUND
 - 2147205084 - E_TERRAIN_TERRAIN_NOT_SUPPORTED_IN_RELEASE
 - 2147205083 - E_TERRAIN_ALREADY_EXISTS
 - 2147205082 - E_TERRAIN_INVALID_GEOMETRY_TYPE FOR TERRAIN
 - 2147205081 - E_TERRAIN_CANNOT_ADD_REGISTERED_CLASSES_TO_TERRAIN
 - 2147205080 - E_TERRAIN_INVALID_TERRAIN_NAME
 - 2147205079 - E_TERRAIN_WRONG_DATASET_TYPE
 - 2147205078 - E_TERRAIN_WRONG_PYRAMID_TYPE
 - 2147205077 - E_TERRAIN_CANNOT_CHANGE_SCHEMA
 - 2147205076 - E_TERRAIN_NOT_MULTIPLE
 - 2147205075 - E_TERRAIN_UNKNOWN_BLOCK
 - 2147205074 - E_TERRAIN_NEED_UPDATE
 - 2147205073 - E_TERRAIN_OLD_VERSION
 - 2147205072 - E_TERRAIN_CANNOT_PERFORM_SIMPLIFY_OVERVIEW
 - 2147205071 - E_TERRAIN_NO_DATA
 - 2147205070 - E_TERRAIN_EDIT_OPERATION_REQUIRED
 - 2147205069 - E_TERRAIN_INVALID_OVERFLOW
 - 2147205068 - E_TERRAIN_TOO_MANY_CIPPING_SOURCES
 - 2147205067 - E_TERRAIN_INVALID_Z
 - 2147205066 - E_TERRAIN_BAD_WINDOW_SIZE
 - 2147205065 - E_TERRAIN_NO_SPATIALREF_INFO
 - 2147218400 - E_TERRAIN_NOT_PROJECTED_SYSTEM
 - 2147218399 - E_TERRAIN_WRONG_TOPOLOGY
 - 2147218398 - E_TERRAIN_CANNOT_BE_ANCHORED
 - 2147218397 - E_TERRAIN_DATA_TYPE_MISMATCH
 - 2147218396 - E_TERRAIN_DIRTY_TERRAIN
 - 2147205559 - E_TERRAIN_WNSIZE_NOT_SUPPORTED
 - 2147218394 - E_TERRAIN_FIELD_TYPE_MISMATCH
 - 2147218393 - E_TERRAIN_CANNOT_BE_ANCHORED
 - 2147218392 - E_TERRAIN_ANCHOR_POINTS_NOT_SUPPORTED
 - 2147218391 - E_TERRAIN_MUST_APPLY_TO_OVERVIEW

Class Diagram



GeodatabaseExtensions Object Model

CadastralFabric

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Enumerations

esriCadastralJob
 -1 - esriCJobAll
 0 - esriCJobActive
 1 - esriCJobCommitted

esriCadastralFabricType
 0 - esriCadastralMap
 1 - esriCadastralSurvey

esriCadastralLineCategory
 0 - esriCadastralLineBoundary
 1 - esriCadastralLineDependent
 2 - esriCadastralLinePreciseConnection
 3 - esriCadastralLineConnection
 4 - esriCadastralLineRadial
 5 - esriCadastralLineRoad
 6 - esriCadastralLineOpenConnection
 7 - esriCadastralLinePartConnection

esriCadastralPointCategory
 0 - esriCadastralPointControl
 1 - esriCadastralPointConstruction
 2 - esriCadastralPointControl
 3 - esriCadastralPointReferenced
 4 - esriCadastralPointReferencedMark
 5 - esriCadastralPointReferencedMark
 6 - esriCadastralPointStation

esriCadastralAreaUnits
 0 - esriCAUnitArea
 1 - esriCAUnitMetric
 2 - esriCAUnitSquareMeter
 3 - esriCAUnitSquareFoot
 4 - esriCAUnitAcre
 5 - esriCAUnitSquareFoot
 6 - esriCAUnitSquareFoot
 7 - esriCAUnitSquareFoot
 8 - esriCAUnitSquareFoot
 9 - esriCAUnitSquareFoot
 10 - esriCAUnitSquareFoot
 11 - esriCAUnitSquareFoot

esriCadastralDistanceUnits
 9001 - esriCDUMeasure
 9002 - esriCDUFoot
 9007 - esriCDUChain
 9008 - esriCDULink
 109010 - esriCDURoad
 9003 - esriCDUUSSurveyFoot
 9033 - esriCDUUSSurveyChain
 9034 - esriCDUUSSurveyLink
 109011 - esriCDUUSSurveyRod

esriCadastralLineParameters
 0 - esriCadastralP_BearingAndDistance
 1 - esriCadastralP_ChordAndDistance
 2 - esriCadastralP_ChorBearingAndDeltaAndRadius
 3 - esriCadastralP_ChordAndRadius
 4 - esriCadastralP_ChorBearingAndChordLengthAndRadius
 5 - esriCadastralP_ChorLengthAndRadius
 6 - esriCadastralP_ChorBearingAndDeltaAndRadius
 7 - esriCadastralP_ChorLengthAndRadius
 8 - esriCadastralP_ChorBearingAndDeltaAndRadius
 9 - esriCadastralP_DeltaAndRadius
 10 - esriCadastralP_RadialBearingAndDeltaAndRadius
 11 - esriCadastralP_RadialBearingAndChordLengthAndRadius
 12 - esriCadastralP_RadialBearingAndDeltaAndRadius
 13 - esriCadastralP_RadialBearingAndDeltaAndRadius
 14 - esriCadastralP_TangentBearingAndDeltaAndRadius
 15 - esriCadastralP_TangentBearingAndChordLengthAndRadius
 16 - esriCadastralP_TangentBearingAndDeltaAndRadius
 17 - esriCadastralP_TangentBearingAndDeltaAndRadius

esriCadastralDenfieldType
 0 - esriCadastralDenfieldNormal
 1 - esriCadastralDenfieldGCS
 2 - esriCadastralDenfieldCurve
 3 - esriCadastralDenfieldLineString

esriCadastralDenfieldType
 0 - esriCadastralDenfieldNormal
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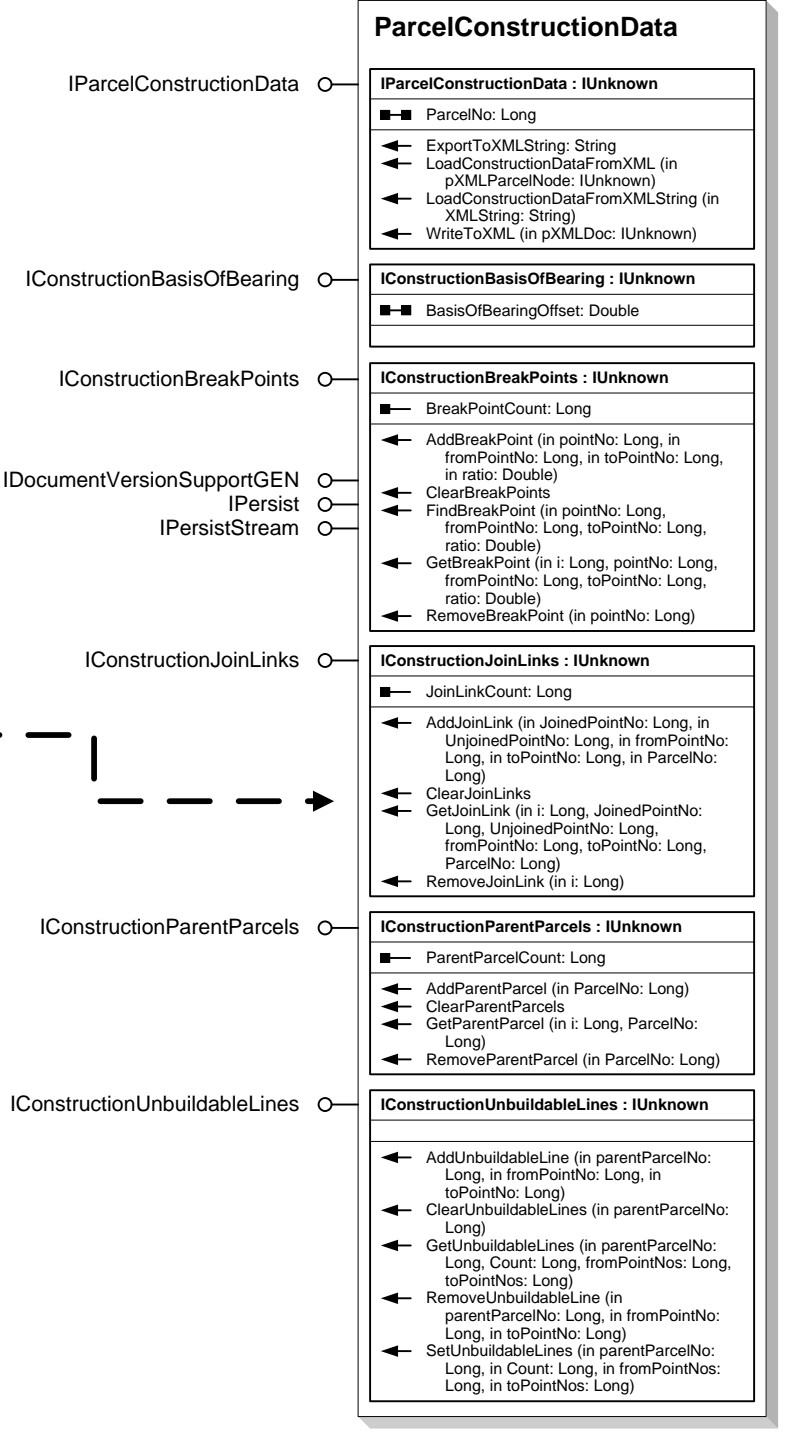
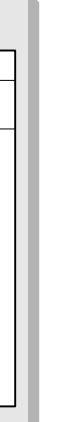
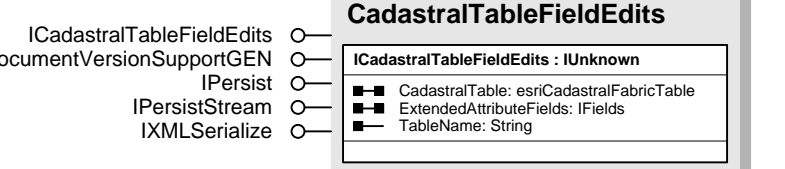
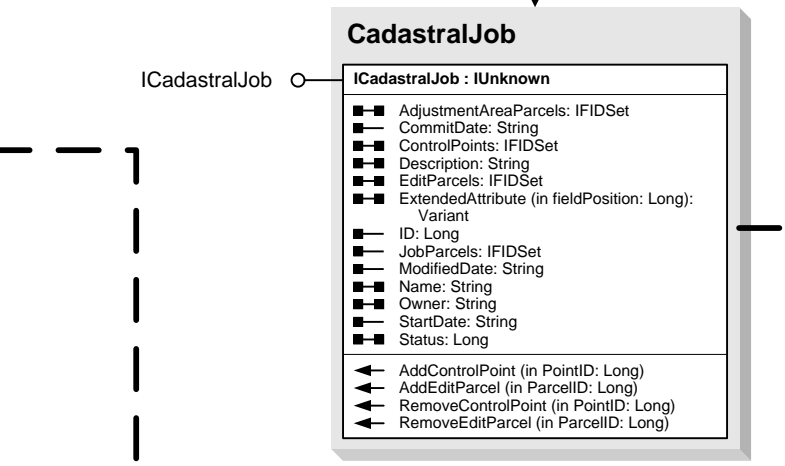
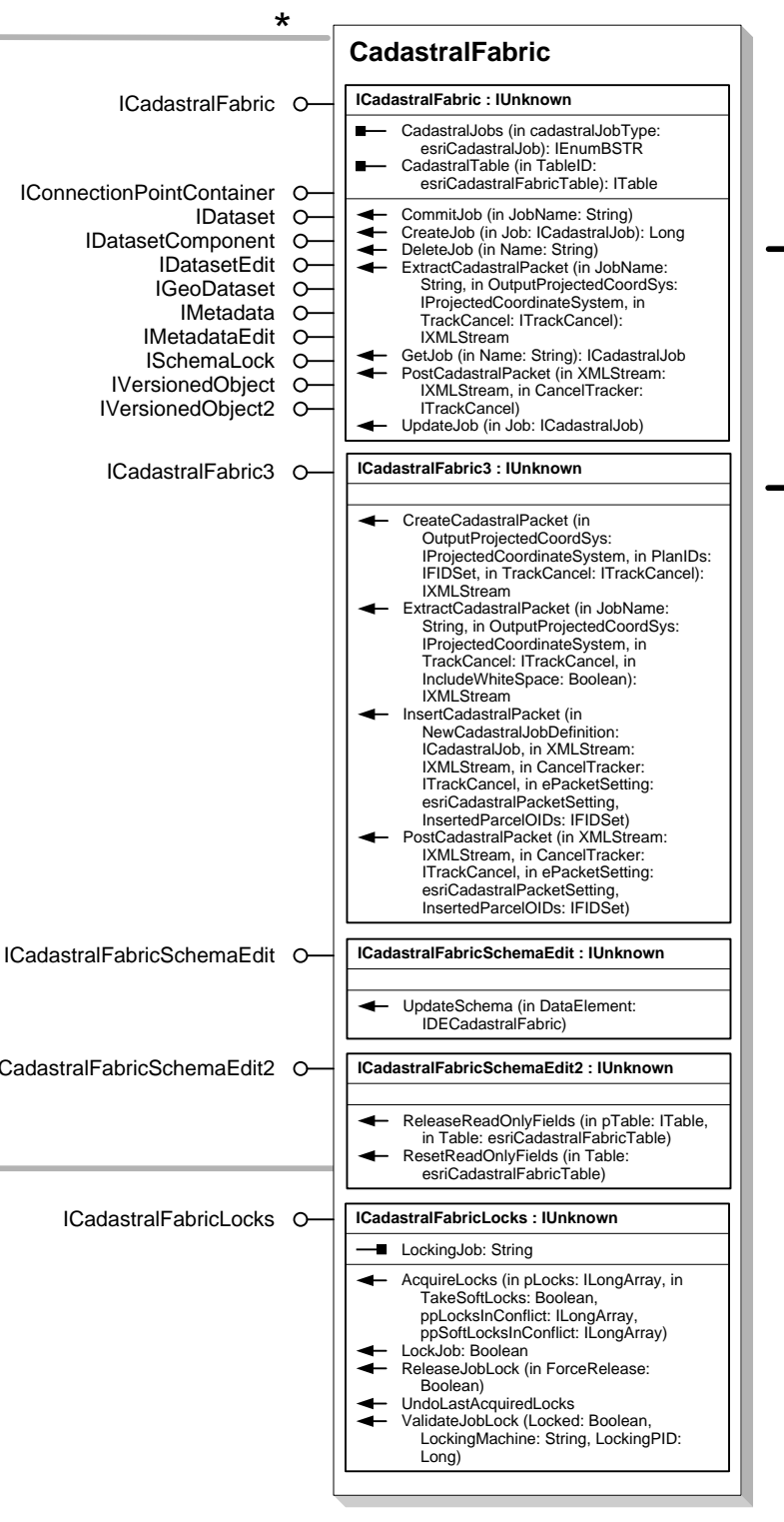
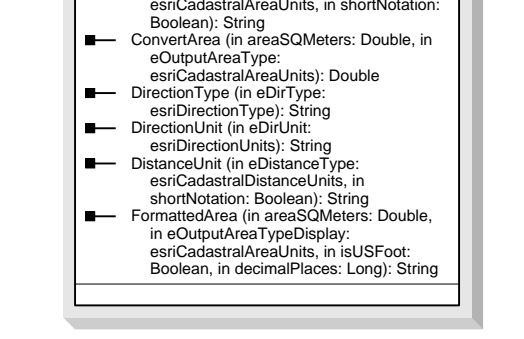
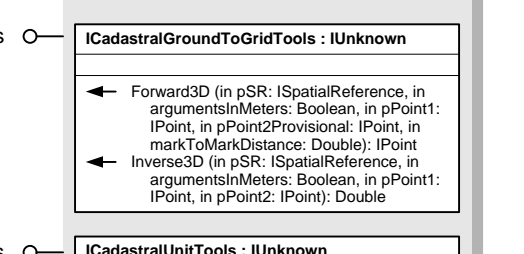
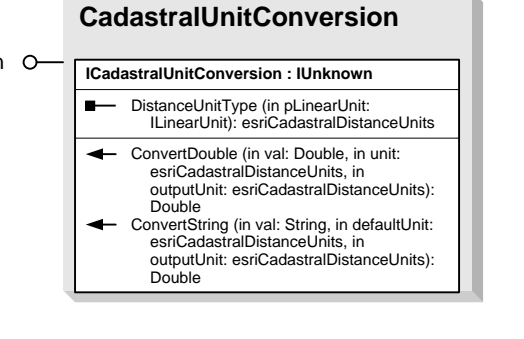
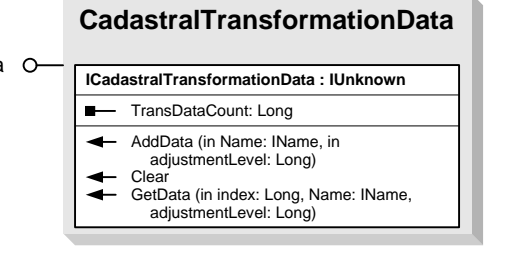
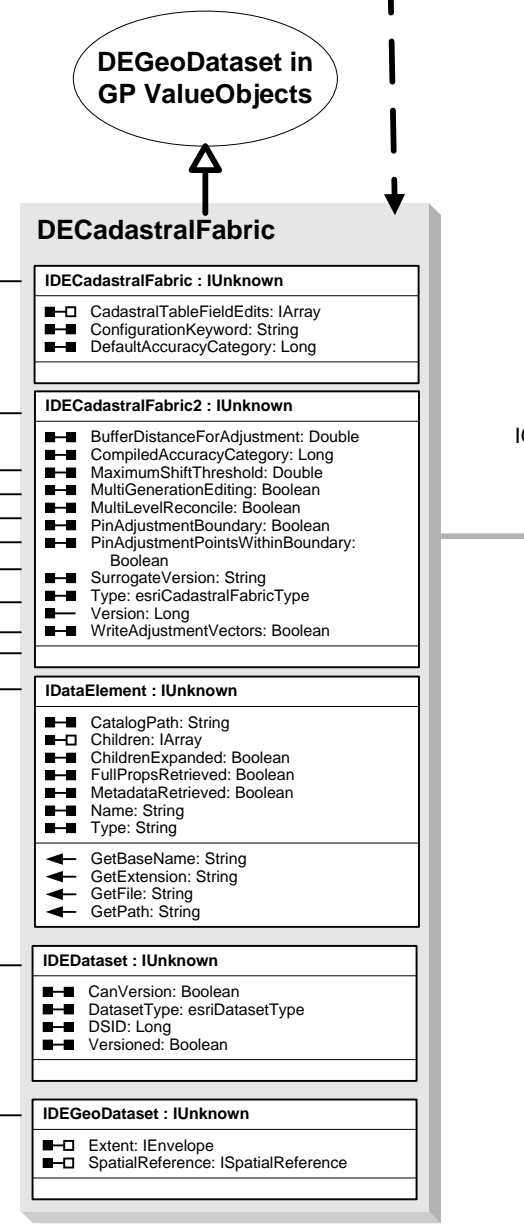
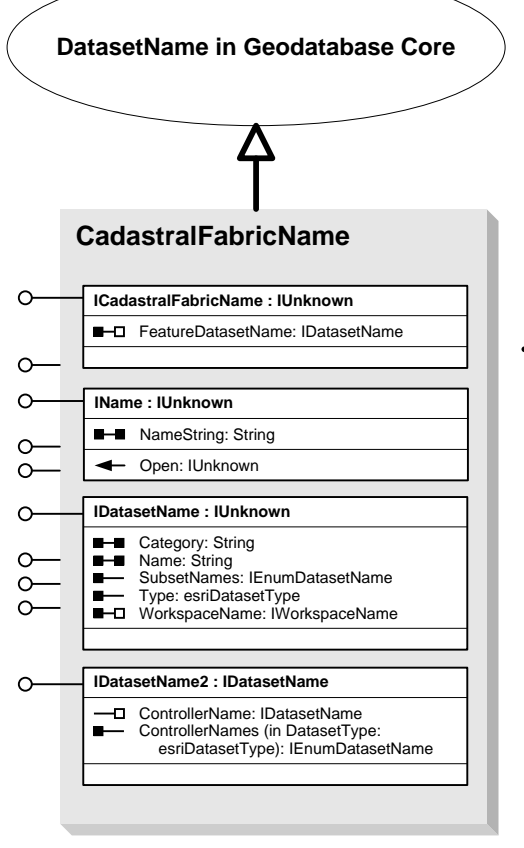
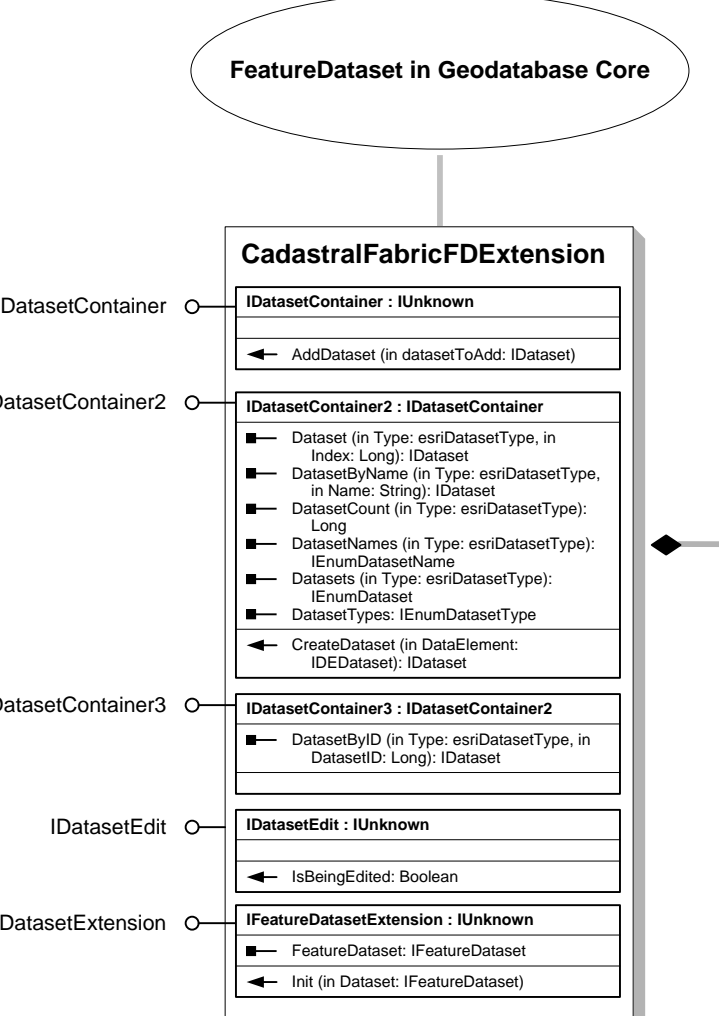
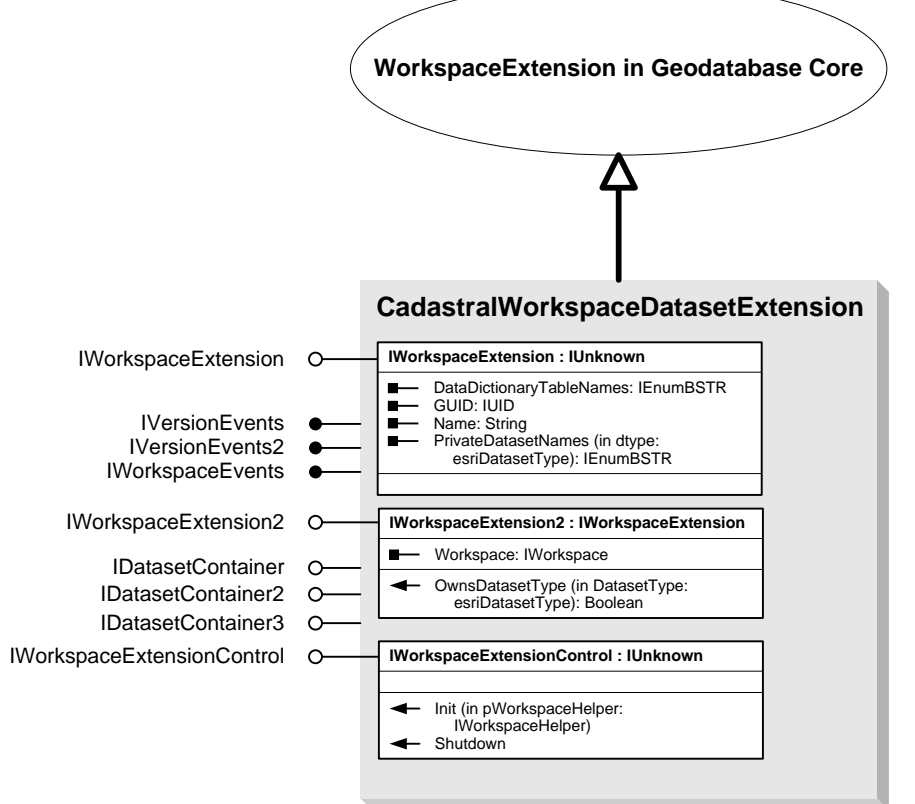
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esriCadastralDenfieldType
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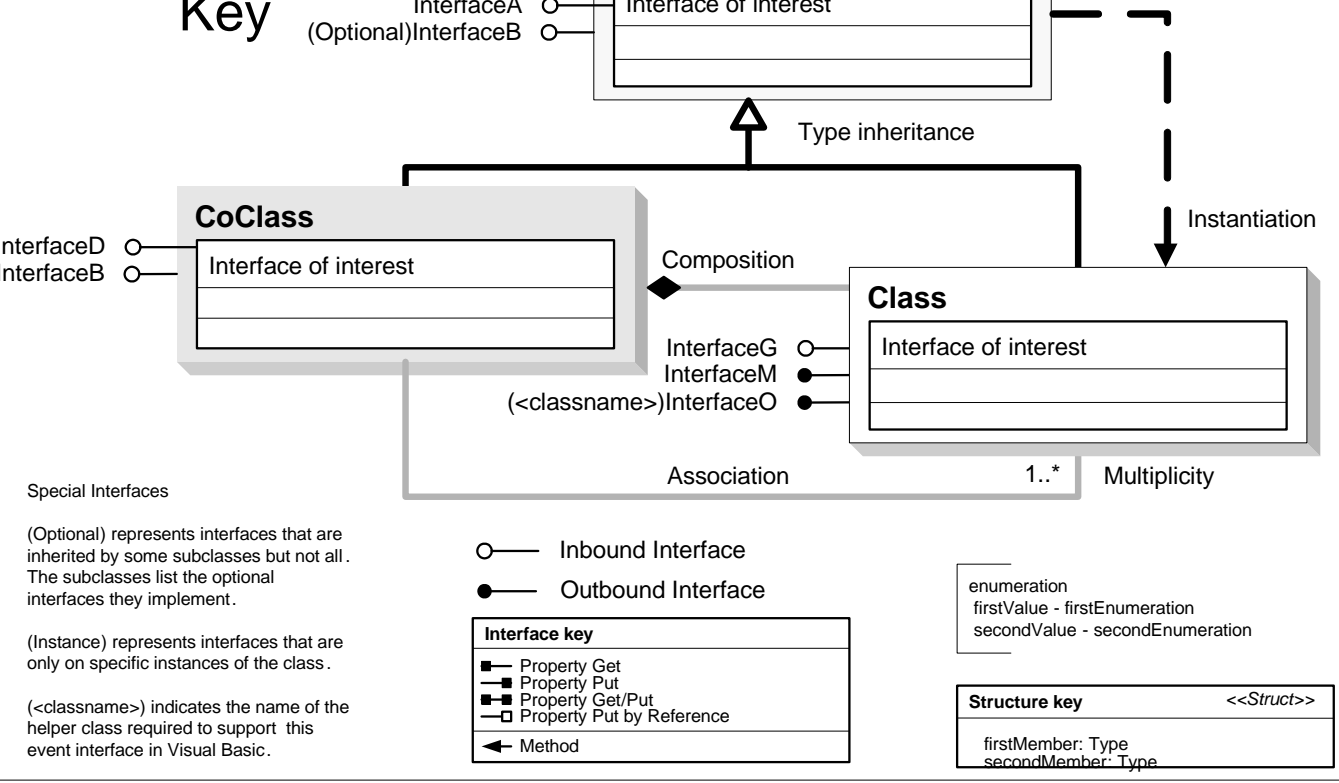
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Class Diagram



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 subclasses 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

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.

Interface key
 Property Get
 Property Set
 Property Get by Reference
 Method

Enumeration
 firstValue - firstEnumeration
 secondValue - secondEnumeration

Structure key
 firstMember - Type
 secondMember - Type

