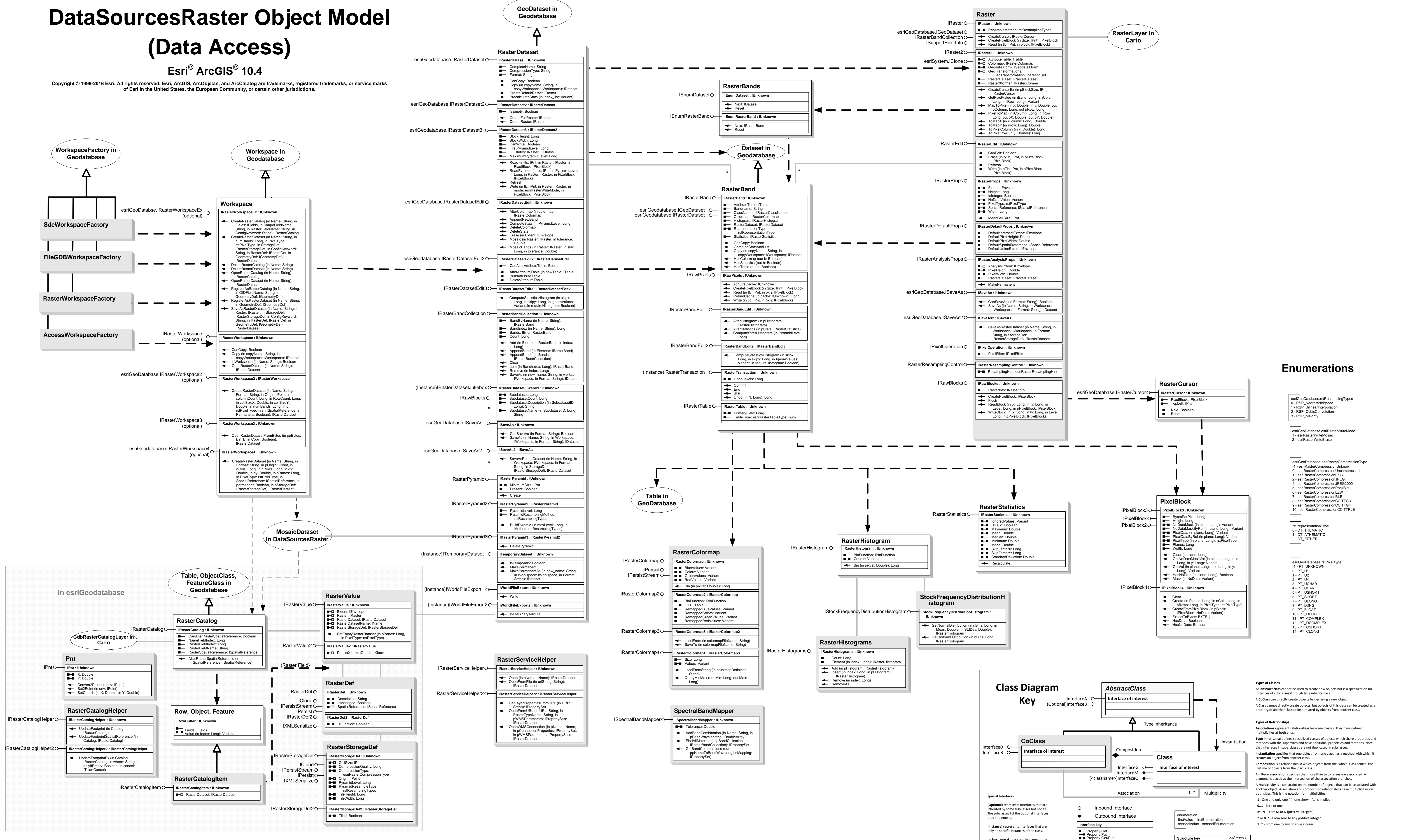


DataSourcesRaster Object Model (Data Access)

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WorkspaceFactory in Geodatabase

Workspace in Geodatabase

GeoDataset in Geodatabase

Dataset in Geodatabase

Raster

RasterLayer in Carto

Enumerations

Table in GeoDatabase

RasterStatistics

PixelBlock

In esriGeodatabase

Table, ObjectClass, FeatureClass in Geodatabase

MosaicDataset In DataSourcesRaster

Class Diagram Key

Abstract Class

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 Class 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.

Associations 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 are superclasses and 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 lifecycle of objects from the 'part' class.
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)
1..1 - one or one
M..N - From M to N (positive integers)
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 that do not implement the interface.
[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.

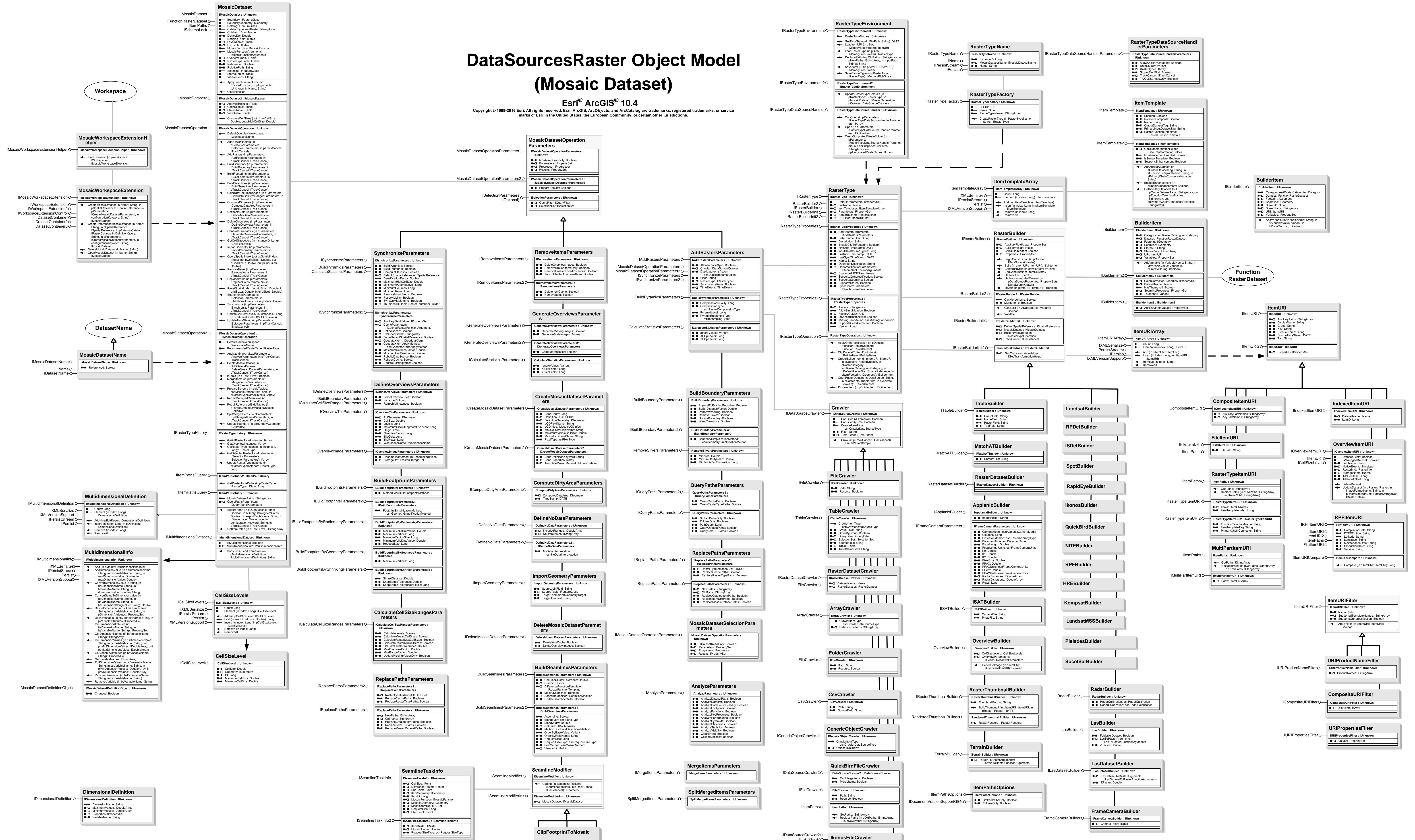
Interface key
Property Get
Property Set
Property Get by Reference
Method

Enumeration
firstValue - firstEnumeration
secondValue - secondEnumeration

Structure key
«Structure»
firstMember: Type
secondMember: Type

DataSourcesRaster Object Model (Mosaic Dataset)

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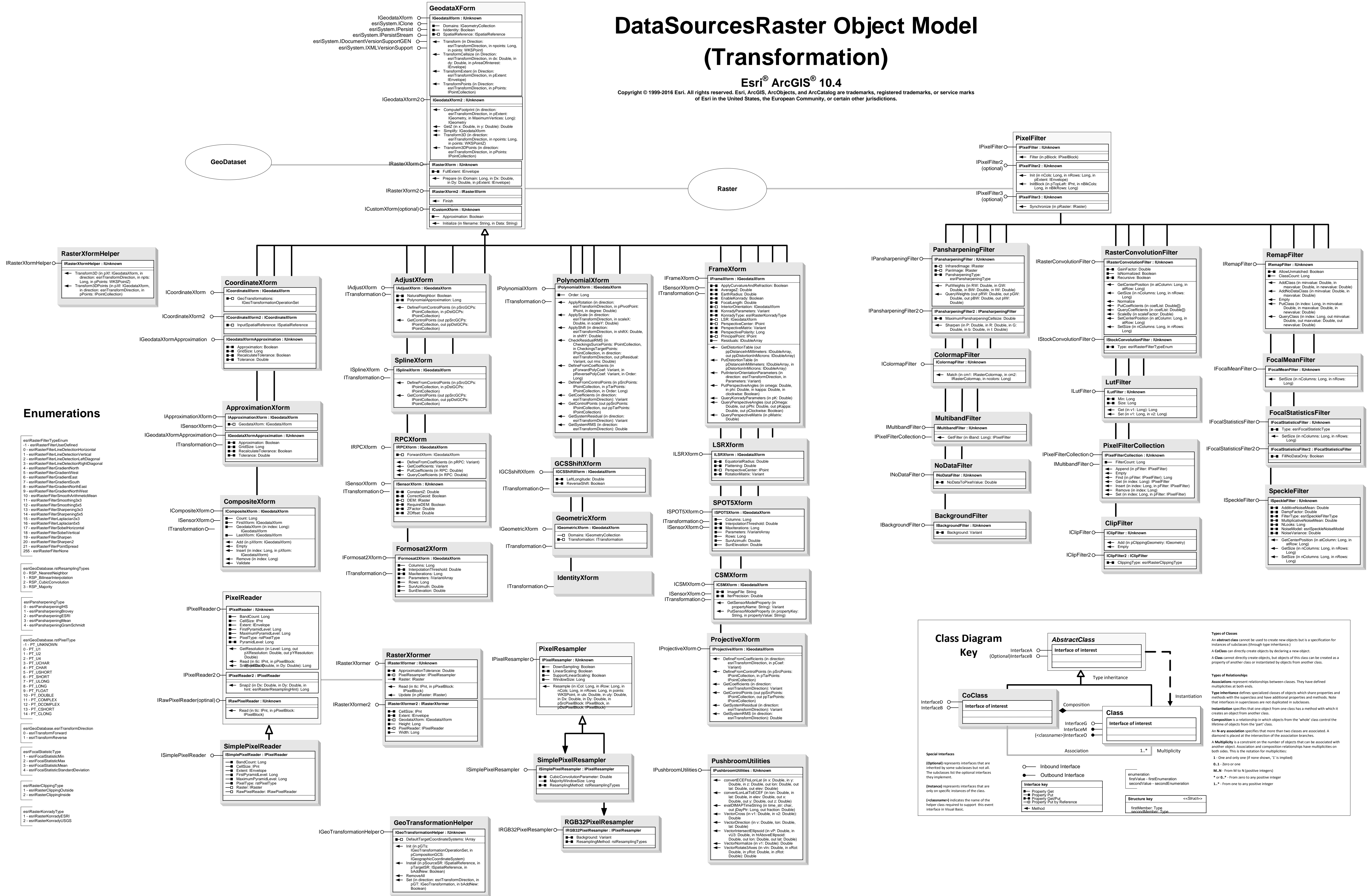
Enumerations



DataSourcesRaster Object Model (Transformation)

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DataSourcesRaster Object Model (Supplemental)

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