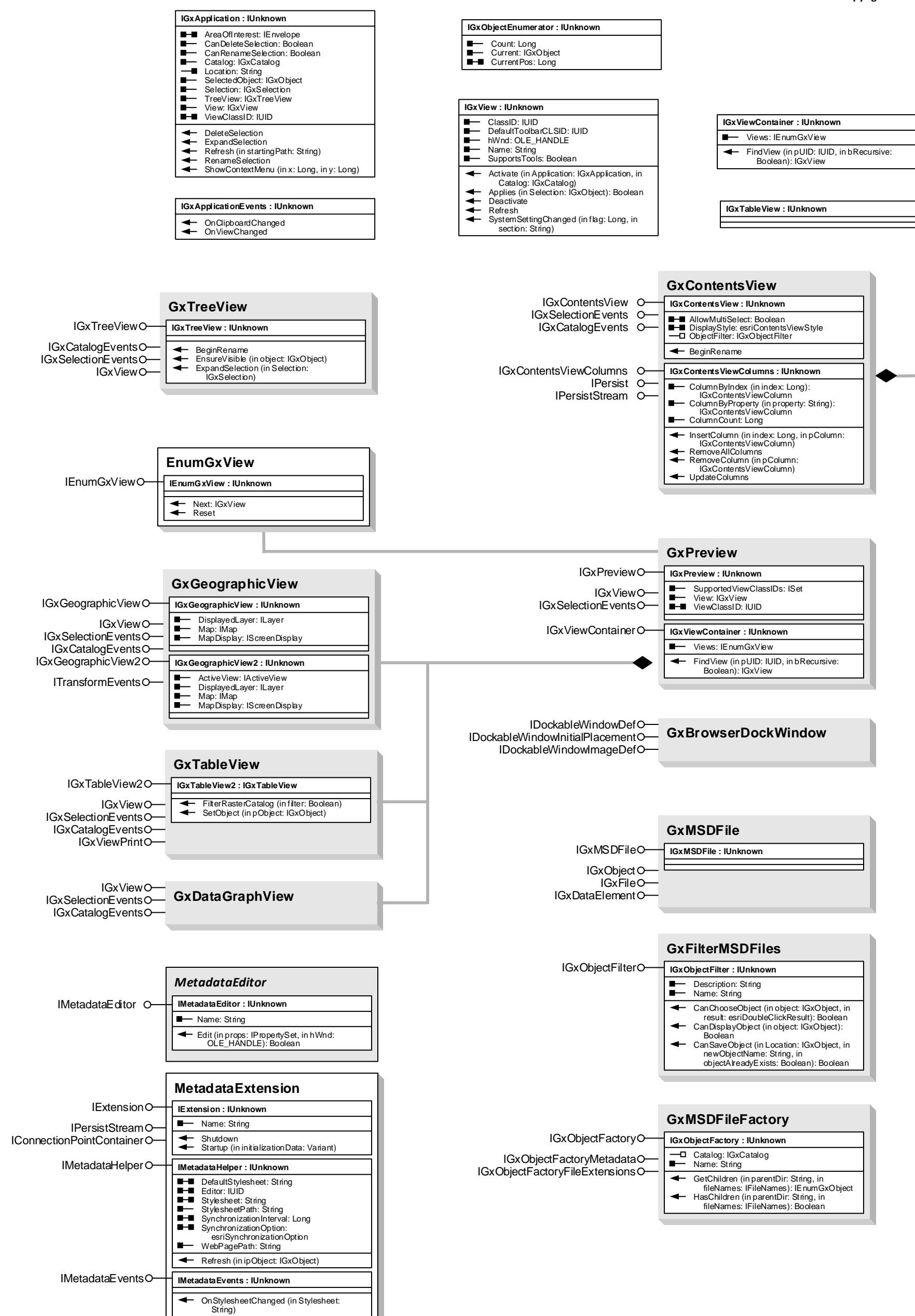


# CatalogUI Object Model

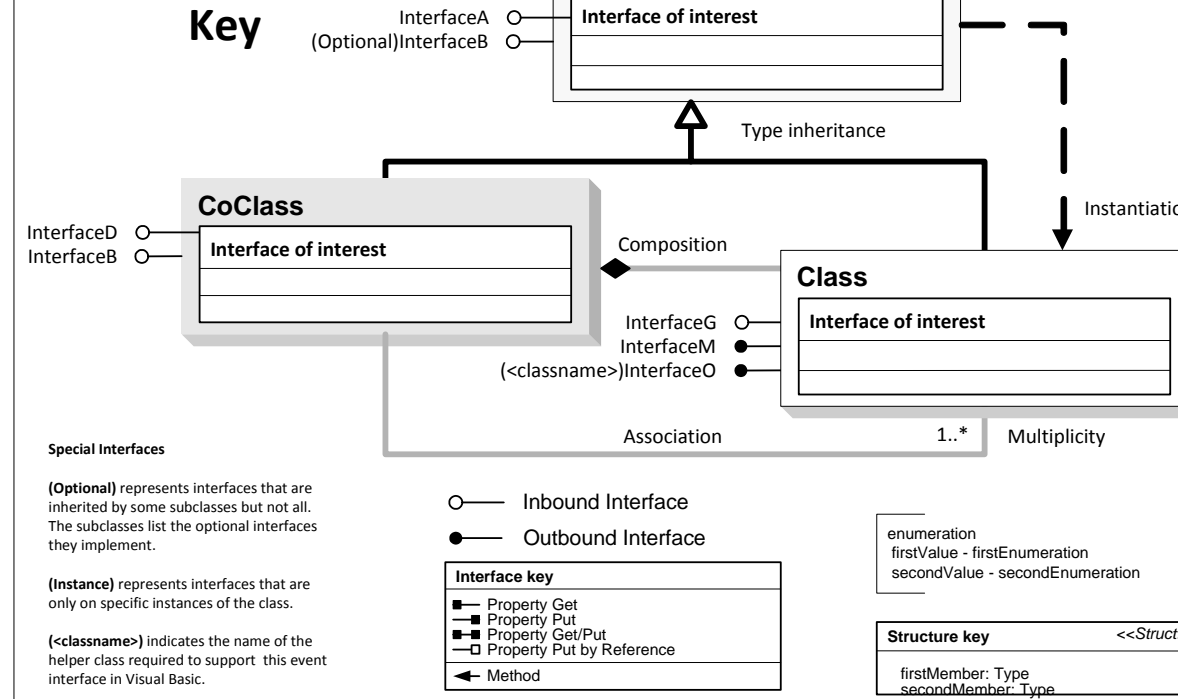
Esri ArcGIS 10.6

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## Interfaces



## Class Diagram Key



**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 in 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.  
**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

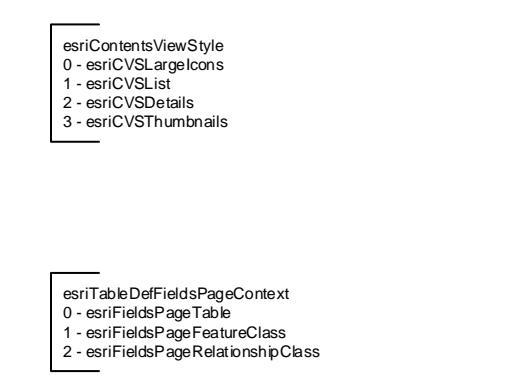
**Interface key**

- Property Set
- Property Put
- Property GetPut
- Property Put by Reference
- Method

**Structure key**

- firstMember: Type
- secondMember: Type

## Enumerations



## GxObjectFilter in Catalog

