Controls Object Model

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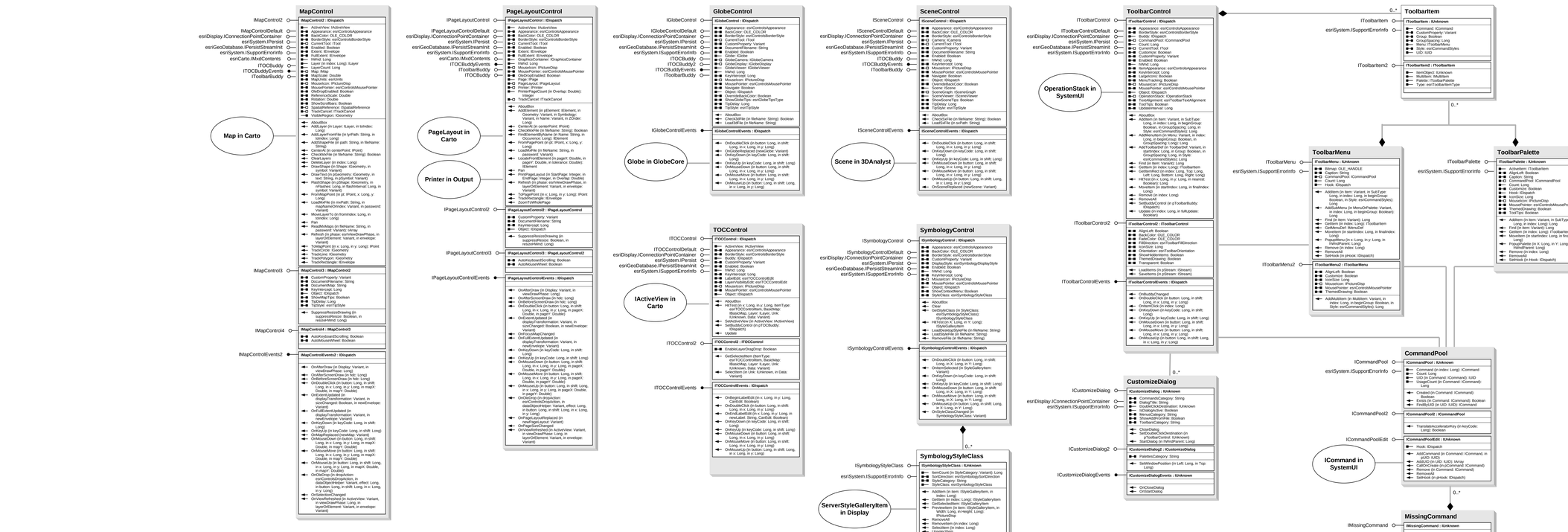


Interfaces

ITOCBuddy : IUnknown

- GetActiveView: IActiveView
- GetScale (in pBasicMap: IBasicMap): Double

ITOCBuddy2 : ITOCBuddy

- IsLayerValid (in pLayer: ILayer): Boolean
- IsLayerVisibleAtScale (in pLayer: ILayer, in scale: Double): Boolean
- LayerVisibilityChanged (in pBasicMap: IBasicMap, in pLayer: ILayer, in visibility: Boolean)

ITOCBuddyEvents : IUnknown

- ActiveViewChanged (in OnByScaleChange: Boolean)
- ActiveViewReplaced (in pNewActiveView: IActiveView)

IToolbarBuddy : IUnknown

- CurrentTool: ITool

Enumerations

esriControlsAppearance
0 - esriFlat
1 - esri3D

esriControlsBorderStyle
0 - esriNoBorder
1 - esriBorder

esriControlsDragDropEffect
0 - esriDragDropNone
1 - esriDragDropCopy
2 - esriDragDropMove
4 - esriDragDropLink

esriControlsDropAction
0 - esriDropEnter
1 - esriDropOver
2 - esriDropLeave
3 - esriDropped

esriControlsMousePointer
-1 - esriPointerParentWindow
0 - esriPointerDefault
1 - esriPointerArrow
2 - esriPointerCrosshair
3 - esriPointerBeam
4 - esriPointerIcon
5 - esriPointerSize
6 - esriPointerSizeNESW
7 - esriPointerSizeNS
8 - esriPointerSizeNWSE
9 - esriPointerSizeWE
10 - esriPointerUpArrow
11 - esriPointerHourglass
12 - esriPointerWaitArrow
13 - esriPointerArrowHourglass
14 - esriPointerArrowQuestion
15 - esriPointerSizeAll
50 - esriPointerZoom
51 - esriPointerZoomIn
52 - esriPointerZoomOut
53 - esriPointerPan
54 - esriPointerPanning
55 - esriPointerIdentify
56 - esriPointerLabel
57 - esriPointerHotLink
58 - esriPointerPoint
59 - esriPointerHand
60 - esriPointerPageZoomIn
61 - esriPointerPageZoomOut
62 - esriPointerPagePan
63 - esriPointerPagePanning
99 - esriPointerCustom

esriLicenseStatusOptions
0 - esriLicenseStatusAll
1 - esriLicenseStatusRequested

esriSymbologyDisplayStyle
0 - esriDisplayStyleIcon
1 - esriDisplayStyleRaport
2 - esriDisplayStyleSmallIcon
3 - esriDisplayStyleList

esriSymbologySortDirection
0 - esriSortDirectionNone
1 - esriSortDirectionAscending
2 - esriSortDirectionDescending

esriSymbologyStyleClass
0 - esriStyleClassReferenceSystems
1 - esriStyleClassMapInLabels
2 - esriStyleClassShadows
3 - esriStyleClassAreaPatches
4 - esriStyleClassLinePatches
5 - esriStyleClassLabels
6 - esriStyleClassMarkerNotes
7 - esriStyleClassScaleBars
8 - esriStyleClassLegendItems
9 - esriStyleClassGridTexts
10 - esriStyleClassColorRamps
11 - esriStyleClassBorders
12 - esriStyleClassBackgrounds
13 - esriStyleClassNorths
14 - esriStyleClassVectorizationSettings
15 - esriStyleClassFillSymbols
16 - esriStyleClassLineSymbols
17 - esriStyleClassMarkerSymbols
18 - esriStyleClassTextSymbols
19 - esriStyleClassMatches

esriTOCControlEdit
0 - esriTOCControlAutomatic
1 - esriTOCControlManual

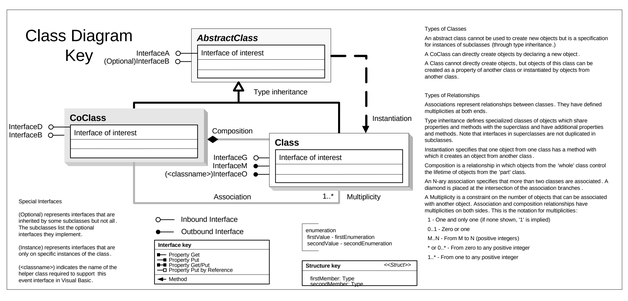
esriTOCControlItem
0 - esriTOCControlItemNone
1 - esriTOCControlItemMap
2 - esriTOCControlItemLayer
3 - esriTOCControlItemHeading
4 - esriTOCControlItemLegendClass

esriToolbarFillDirection
0 - esriToolbarFillHorizontal
1 - esriToolbarFillVertical

esriToolbarItemType
0 - esriToolbarItemUnknown
1 - esriToolbarItemCommand
2 - esriToolbarItemMenu
3 - esriToolbarItemToolControl
4 - esriToolbarItemMenu
5 - esriToolbarItemPalette
6 - esriToolbarItemMultItem

esriToolbarOrientation
0 - esriToolbarOrientationHorizontal
1 - esriToolbarOrientationVertical

esriToolbarTextAlignment
0 - esriTextAlongSide
1 - esriTextBelow



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.

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

Controls Object Model
Miscellaneous

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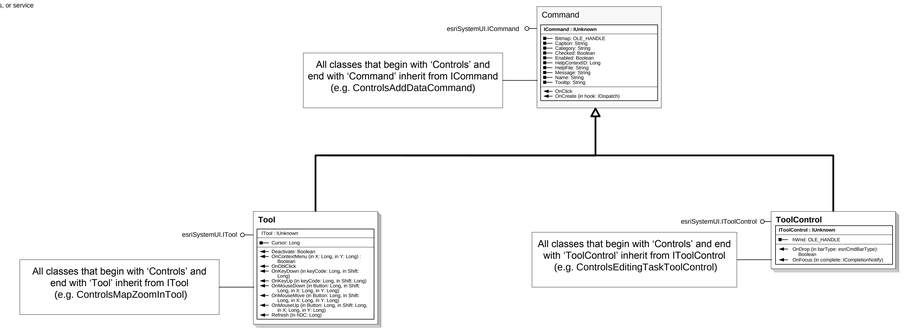
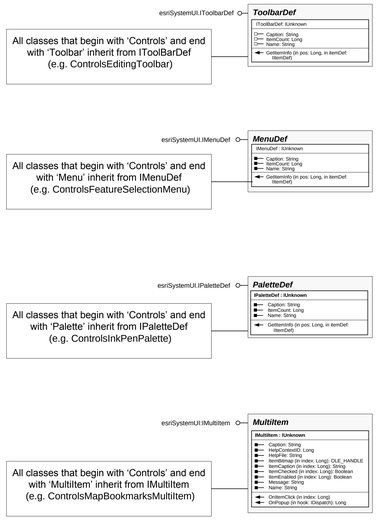
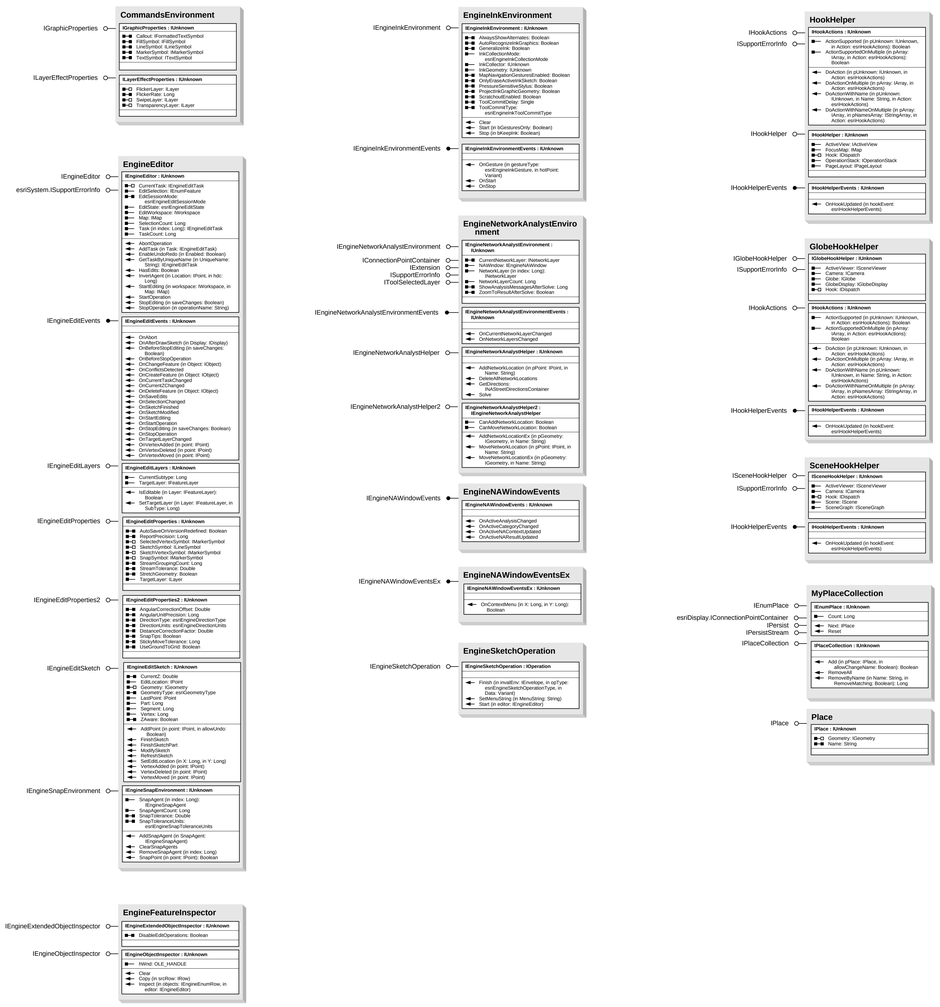
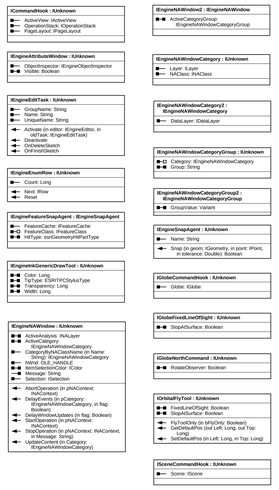
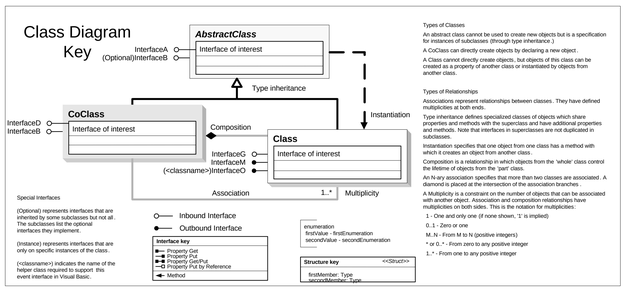






Interfaces



Enumerations