MapObjects™ 2.3

Diagram of MapObjects 2.3 ActiveX Control and ActiveX Automation objects
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Projection Objects

DirectionConstants
0 - moDirection_Reverse
1 - moDirection_Forward

GeoTransformation Object (creatable)
- Direction as DirectionConstant
- FromGeoCoordSys as GeoCoordSys
- Method as MethodConstant
- Name as String
- SecondDirection as DirectionConstant
- SecondName as String
- SecondType as GeographicTransformationConstants*
- ToGeoCoordSys as GeoCoordSys
- Type as GeographicTransformationConstants*

GetParameter(ParameterType as ParameterTypeConstants*) as Double
SetParameter(ParameterType as ParameterTypeConstants*, ParameterValue as Double)

ProjCoordSys Object (creatable)
- GeoCoordSys as GeoCoordsys
- IsProjected as Boolean
- Name as String
- Projection as Projection
- Type as ProjectedCoordSysConstants*
- Unit as Unit

Export(OutName as String)
GetParameter(ParameterType asParameterTypeConstants*) as Double
ReturnDescription as String
SetParameter(ParameterType as ParameterTypeConstants*, ParameterValue as Double)
Transform(FromCoordSys as Object, FromShape as Object, [DensificationTolerance as Double], [Transformation as GeoTransformation]) as Object

Projection Object (creatable)
- Custom as Unknown
- IsCustom as Boolean
- Name as String
- Type as ProjectionConstants*

GeoCoordSys Object (creatable)
- Datum as Datum
- IsProjected as Boolean
- Name as String
- PrimeMeridian as PrimeMeridian
- Type as GeographicCoordSysConstants*
- Unit as Unit

Transform(FromCoordSys as Object, FromShape as Object, [DensificationTolerance as Double], [Transformation as GeoTransformation]) as Object
ReturnDescription as String
Export(OutName as String)

Datum Object (creatable)
- Name as String
- Spheroid as Spheroid
- Type as DatumConstants*

Unit Object (creatable)
- Factor as Double
- Name as String
- Type as UnitConstants*

Prime-Meridian Object (creatable)
- Longitude as Double
- Name as String
- Type as PrimeMeridianConstants*

Spheroid Object (creatable)
- Axis as Double
- Flattening as Double
- Name as String
- Type as SpheroidConstants*

ZValueCalc Constants
0 - moMaxZValue
1 - moMinZValue
2 - moMeanZValue

Appearance Constants
0 - moFlat
1 - mo3D

CancelAction Constants
0 - moCancelNone
1 - moCancelMap
2 - moCancelLayer

ExportPalette Constants
0 - moDefaultPalette
1 - moHalfTonePalette
2 - moWebSafePalette
3 - moMostlyGrayPalette

ExportMap Constants
0 - moExportEMF
1 - moExportBMP
2 - moExportClipboardEMF
3 - moExportClipboardBMP

ExportSymbologyScaled Constants
0 - moNoSymbologyScaled
1 - moLineSymbolsNotScaled
2 - moAllSymbologyScaled

ExportDepth Constants
0 - moExport8BitDepth
1 - moExportSourceDepth
2 - moExport24BitDepth

GeometryEnvironment Constants
0 - moGeometryIgnoreZ
1 - moGeometryUseZForDistanceAndSearching

DisplayUnit Constants
0 - moUseContainerUsePixels
1 - moUsePixels

ChartType Constants
0 - moPie
1 - moBar
2 - moCustom

Alignment Constants
0 - moAlignTop
1 - moAlignBottom
2 - moAlignLeft
3 - moAlignRight
4 - moAlignCenter
5 - moAlignBaseline

MousePointer Constants
0 - moDefault
1 - moArrow
2 - moCross
3 - moIbeam
4 - moIconPointer
5 - moSizeNESW
6 - moSizeNESW
7 - moSizeNS
8 - moSizeNWSE
9 - moSizeWE
10 - moUpArrow
11 - moHourglass
12 - moNoDrop
13 - moArrowHourglass
14 - moArrowQuestion
15 - moSizeAll
50 - moZoom
51 - moZoomIn
52 - moZoomOut
53 - moPan
54 - moPanning
55 - moIdentify
56 - moLabel
57 - moHotLink
58 - moPencil

Group-Renderer object (createable)
- Count as Integer
- DrawBackground as Boolean
- Renderer (Index as Integer) as Object
- Tag as String

Add (Renderer as Object) as Integer
Remove (Index as Integer)

Event-Renderer object (createable)
- DefaultSymbol as Symbol
- DrawBackground as Boolean
- EndMeasureField as String
- EventRouteIDField as String
- EventTable as Table
- FeatureRouteIDField as String
- IndexEvents as Boolean
- IndexExtent as Rectangle
- Name as String
- StartMeasureField as String
- Symbol (Index as Integer) as Symbol
- SymbolField as String
- SymbolType as SymbolTypeConstants
- Tag as String
- SymbolField as Boolean
- Value (Index as Integer) as String
- ValueCount as Integer

InvalidateIndex (key as String) as String

ZRenderer object (createable)
- Break (index as Integer) as Double
- BreakCount as Integer
- **DrawBackground as Boolean**
- Symbol (index as Integer) as Symbol
- SymbolType as SymbolTypeConstants
- Tag as String
- ValueCalculation as ZValueCalcConstants

RampColors (startColor as OLE_COLOR, endColor as OLE_COLOR)

Chart-Renderer object (createable)
- BarHeight as Integer
- BarWidth as Integer
- ChartType as ChartType Constant
- Color (index as Integer) as OLE_COLOR
- **CustomChart As Unknown**
- **DrawBackground as Boolean**
- Field (index as Integer) as String
- FieldCount as Integer
- MaxPieSize as Integer
- MinPieSize as Integer
- NormalizationField as String
- NullValue as Double
- ShowOutline as Boolean
- SizeField as String
- **Tag as String**

NoNullValue

TextSymbol object (createable)
- Color as OLE_COLOR
- Fitted as Boolean
- Font as StdFont
- Height as Double
- HorizontalAlignment as AlignmentConstants
- Rotation as Double
- VerticalAlignment as AlignmentConstants

LabelPlacer object (createable)
- AllowDuplicates as Boolean
- BackgroundRenderer as Object
- DefaultSymbol as TextSymbol
- DrawBackground as Boolean
- Field as String
- MaskColor as OLE_COLOR
- MaskLabels as Boolean
- PlaceAbove as Boolean
- PlaceBelow as Boolean
- PlaceOn as Boolean
- Symbol (Index as Integer) as TextSymbol
- SymbolHeight as Integer
- SymbolWidth as Integer
- **Tag as String**
- UseDefault as Boolean
- Value (Index as Integer) as String
- ValueCount as Integer
- ValueField as String

SymbolType Constants
0 - moPointSymbol
1 - moLineSymbol
2 - moFillSymbol

Color Constants
0x0	moBlack
0xFF	moRed
0xFF00	moGreen
0xFF0000	moBlue
0xFFFF00	moCyan
0xFF00FF	moMagenta
0xFFFFFF	moWhite
0xFFFFFF	moWhite
12632256	moLightGray
4210752	moDarkGray
8421504	moGray
13697023	moPaleYellow
8454143	moLightYellow
65535	moYellow
12639424	moLimeGreen
8421440	moTeal
16384	moDarkGreen
128	moMaroon
8388736	moPurple
33023	moOrange
7051175	moKhaki
32896	moOlive
4210816	moBrown
8404992	moNavy

MarkerStyle Constants
0 - moCircleMarker
1 - moSquareMarker
2 - moTriangleMarker
3 - moCrossMarker
4 - moTrueTypeMarker

LineStyle Constants
0 - moSolidLine
1 - moDashLine
2 - moDotLine
3 - moDashDotLine
4 - moDashDotDotLine

FillStyle Constants
0 - moSolidFill
1 - moTransparentFill
2 - moHorizontalFill
3 - moVerticalFill
4 - moUpwardDiagonalFill
5 - moDownwardDiagonalFill
6 - moCrossFill
7 - moDiagonalCrossFill
8 - moLightGrayFill
9 - moGrayFill
10 - moDarkGrayFill

Data Access Objects

Data-Connection object (createable)
- Connected as Boolean
- ConnectError as ConnectionErrorConstants
- Connection as Long
- Database as String
- ExtendedError as Long
- ExtendedErrorString as String
- GeoDatasets as GeoDatasets
- Password as String
- Server as String
- User as String
- **Version as String**

AddGeoDataset(Name as String, shapeType as ShapeTypeConstants, TableDesc as TableDesc, [HasZ as Boolean], [HasMeasure as Boolean]) as GeoDataset
ClearConnectError
Connect as Boolean
DeleteGeoDataset (name as String)
Disconnect
FindArcInfoCoordinateSystem(Name as String as Object)
FindCoordinateSystem(Name as String as Object)
FindGeoDataset (name as String) as GeoDataset
ReturnVersions as Strings

EditMode Constants
0 - moEditNone
1 - moEditInProgress
2 - moEditAdd

GeoDatasets collection
- Count as Integer

Item (index as Variant) as GeoDataset

GeoDataset object
- AllowSharing as Boolean
- HasMeasure as Boolean
- HasZ as Boolean
- Name as String

Recordset object
- AutoFlush as Boolean
- Count as Long
- EditMode as EditModeConstants
- EOF as Boolean
- Fields as Fields
- SupportsTransactions as Boolean
- TableDesc as TableDesc
- Updatable as Boolean

AddNew
CalculateStatistics (fieldName as String) as Statistics
CancelUpdate
CommitTransaction
Delete
Export(OutName as String, [OutCoordSys as Object]) as Boolean
MoveFirst
MoveNext
MovePrevious
RollbackTransaction
StartTransaction
StopEditing
Update

Fields collection
- Count as Integer

Item (fieldName as Variant) as Field

Field object
- Name as String
- Type as FieldTypeConstants
- Value as Variant
- ValueAsString as String

Statistics object
- Count as Long
- Max as Double
- Mean as Double
- Min as Double
- StdDev as Double
- Sum as Double

Table object (createable)
- Command as Object
- Database as String
- **MaxCachedRelatedRecords as Long**
- Name as String
- Password as String
- Records as Recordset
- Server as String
- User as String
- **Version as String**

SearchExpression(expression as String) as Recordset

TableDesc object (createable)
- CodePage as CodePageConstants
- FieldCount as Integer
- FieldIndex (index as Integer) as Integer
- FieldName (index as Integer) as String
- FieldPrecision (index as Integer) as Integer
- FieldScale (index as Integer) as Integer
- FieldType (index as Integer) as FieldTypeConstants

CodePage Constants
0 - moDefaultCodePage
1 - moOemCodePage
2 - moAnsiCodePage

Map Display Objects

Map control

CenterAt (X as Double, Y as Double)
CopyMap (scaleFactor as Double)
DrawShape (shape as Object, symbol as TextSymbol)
DrawText (text as String, shape as Object, symbol as TextSymbol)
EnableStreetMap(licenseCode as String)
EnableGIF(licenseCode as String)
EnableTIFFLZW(licenseCode as String)
ExportMap (exportType as ExportMapConstants, outputFile as String, scaleFactor as Double)
ExportMap2 (ExportType as ExportMap Constant, OutputFile as String, scaleFactor as Double, [UseCoordSys as Boolean])
ExportMap3 (formatType As ExportMapConstants, formatData as Variant, [scaleFactor As Double], [scaleSymbology As ExportSymbologyScaleConstants], [exportDepth As ExportDepthConstants], [palette As ExportPaletteConstants])
ExportMapToJpeg (outputFile As String, [percentQuality As Long], [isProgressive As Boolean], [scaleFactor As Double], [scaleSymbology As ExportSymbologyScaleConstants])
FlashShape (shape as Object, nTimes as Integer)
FromMapDistance(distance as Double) as Single
FromMapPoint (point as Point,x as Double, y as Double)
OutputMap (hDC as Long, DrawFlags as drawFlags Constants)
OutputMap2 (hDC as OLE_HANDLE, x as Long, y as Long, width as Long, height as Long, [DrawFlags as drawFlags Constants])
Pan
PrintMap (docName as String, outputFile as String, landscapeOrientation as Boolean)
Refresh
RefreshLayer(index as Integer, [rect as Rectangle])
RefreshRect(rect as Rectangle)
ToMapDistance (distance as Single) as Double
ToMapPoint (x as Single, y as Single) as Point
TrackCircle as Ellipse
TrackLine as Line
TrackPolygon as Polygon
TrackRectangle as Rectangle

- Appearance as Appearance Constant
- BackColor as OLE_COLOR
- BorderStyle as Boolean
- CancelAction as CancelAction Constant
- CoordinateSystem as Variant
- **DisplayUnits as DisplayUnitsConstants**
- Enabled as Boolean
- Extent as Rectangle
- FullExtent as Rectangle
- FullRedrawOnPan as Boolean
- **GeometryEnvironment as GeometryEnvironmentConstants**
- hWnd as Handle
- Layers as Layers
- MaxLineBuffer as Long
- MinWidth as Double
- MousePointer as MousePointer Constant
- Name as String
- RefreshCount as Long
- RotationAngle as Double
- ScrollBars as Boolean
- Tag as String
- TrackingLayer as TrackingLayer
- **TrackingLayerDrawing as TrackingLayerDrawConstants**
- VisibleRegion as Object
- WindowMode as WindowModeConstant

Add (layer as Object) as Boolean

WindowMode Constants
0 - moWindowed
1 - moOpaque
2 - moTransparent

Layers collection

- Count as Integer

Item (index as Variant) as Object
MoveTo (fromIndex as Integer, toIndex as Integer)
MoveToBottom (index as Integer)
MoveToTop (index as Integer)
Remove (index as Integer)

LayerType Constants
0 - moMapLayer
1 - moImageLayer

ClassBreaks-Renderer object (createable)
- Break (index as Integer) as Double
- BreakCount as Integer
- **DrawBackground as Boolean**
- Field as String
- Symbol (index as Integer) as Symbol
- SymbolType as SymbolTypeConstants
- Tag as String

RampColors(startColor as OLE_COLOR, endColor as OLE_COLOR)
SizeSymbols(startSize as Integer, endSize as Integer)

ValueMap-Renderer object (createable)
- DefaultSymbol as Symbol
- Field as String
- RotationField as String
- ScalingField as String
- Symbol (index as Integer) as Symbol
- SymbolType as SymbolTypeConstants
- Tag as String
- UseDefault as Boolean
- Value (index as Integer) as String

Symbol object (createable)
- CenterOnAscent as Boolean
- CharacterIndex as Integer
- Color as OLE_COLOR
- Custom as Dispatch Pointer
- Font as StdFont
- Name as String
- OutlineColor as OLE_COLOR
- Rotation as Double
- Size as Integer
- Style as StyleConstants
- SymbolType as SymbolTypeConstants

DotDensity-Renderer object (createable)
- DotColor as OLE_COLOR
- DotSize as Integer
- DotValue as Double
- DrawBackground as Boolean
- Field as String
- Tag as String

Label-Renderer object (createable)
- AllowDuplicates as Boolean
- **DrawBackground as Boolean**
- Field as String
- FittedField as String
- Flip as Boolean
- HeightField as String
- LevelField as String
- MaxLevel as Integer
- MinLevel as Integer
- RotationField as String
- SplinedText as Boolean
- Symbol (index as Integer) as TextSymbol
- SymbolCount as Integer
- SymbolField as String
- Tag as String
- XOffsetField as String
- YOffsetField as String

Geometric Objects

MapLayer object (createable)
- AreaOfInterest as Rectangle
- CoordinateSystem as Variant
- **DensificationTolerance as Double**
- Extent as Rectangle
- FilterExpression as String
- FilterFields as Strings
- FilterOperator as SearchMethodConstants
- FilterOrder as FilterOrderConstants
- FilterShape as Variant
- **FilterTables as Strings**
- GeoDataset as GeoDataset
- GeographicTransformation as Variant
- Indexed as Boolean
- LayerType as LayerTypeConstants
- Name as String
- Records as Recordset
- Renderer as Object
- shapeType as Integer
- Symbol as Symbol
- Tag as String
- Valid as Boolean
- Visible as Boolean

AddRelate (toField as String, table as Table, fromField as String, [CheckFields as Boolean]) as Boolean
Buildindex (force Boolean) as Boolean
RemoveRelates
SearchByDistance (shape as Object, distance as Double, expression as String) as RecordSet
SearchExpression (expression as String) as Recordset
SearchShape(shape as Object, searchMethod as SearchMethodConstants, expression as String) as Recordset

ImageLayer object (createable)
- **ClipExtent as Rectangle**
- **Columns as Long**
- Extent as Rectangle
- File as String
- LayerType as layerTypeConstants
- Name as String
- **Rows as Long**
- Tag as String
- Transparent as Boolean
- TransparentColor as OLE_COLOR
- UpdateWhileDrawing as Boolean
- Valid as Boolean
- Visible as Boolean

OpenCatalog (pTable as Table, [ImageDirPath As String], [OpenOptions As ImageCatalogConstants])

ImageCatalog Constants
0 - moOpenImagesInDisplay
1 - moOpenAllImages
2 - moOpenOneImage

TrackingLayer object
- Event (index as Long) as GeoEvent
- EventCount as Long
- Symbol (index as Long) as Symbol
- SymbolCount as Long
- Visible as Boolean

AddEvent(shape as Object, SymbolIndex as Long) as GeoEvent
ClearEvents
FindEvent(Tag as String) as GeoEvent
RefreshIt(erase as Boolean, [rect as Rectangle])
RemoveEvent(index as Long)

GeoEvent object
- Index as Long
- Shape as Object
- SymbolIndex as Long
- Tag as String
- X as Double
- Y as Double

Move (x as Double, y as Double)
MoveTo (x as Double, y as Double)

Point object (createable)
- Measure as Double
- shapeType as ShapeTypeConstant
- X as Double
- Y as Double
- Z as Double

Buffer(Distance as Double, [Extent as Rectangle]) as Object
Difference(anotherShape as Object, [Extent as Rectangle]) as Object
DistanceTo (shape as Object) as Double
DistanceToSegment (point1 as Point, point2 as Point) as Double
Get(X as Double, Y as Double, Z as Double, Measure as Double)
GetCrossings (shape as Object) as Points
Intersect(anotherShape as Object, [Extent as Rectangle]) as Object
Set(X as Double, Y as Double, [Z as Double], [Measure as Double])
Union(anotherShape as Object, [Extent as Rectangle]) as Object
Xor(anotherShape as Object, [Extent as Rectangle]) as Object

Points object (createable)
- Count as Long
- Extent as Rectangle
- shapeType as ShapeTypeConstant

Add (point as Point)
Buffer(distance as Double, [Extent as Rectangle]) as Object
Difference(anotherShape as Object, [Extent as Rectangle]) as Object
DistanceTo (shape as Object) as Double
GetPoints(xArray() as Double, yArray() as Double, [zArray()] as Double], [measureArray() as Double])
GetCrossings(shape as Object) as Points
Insert (index as Long, point as Point)
Intersect(anotherShape as Object, [Extent as Rectangle]) as Object
Offset(deltaX as Double, deltaY as Double)
Remove (index as Long)
Reverse
Set (index as Long, point as Point)
SetPoints(xArray() as Double, yArray() as Double, [zArray()] as Double], [measureArray() as Double])
Union(anotherShape as Object, [Extent as Rectangle]) as Object
Xor(anotherShape as Object, [Extent as Rectangle]) as Object

Line object (createable)
- Extent as Rectangle
- IsFullyMeasured as Boolean
- Length as Double
- Parts as Parts
- shapeType as ShapeTypeConstant

Buffer(distance as Double, [Extent as Rectangle]) as Object
Difference(Shape as Object, [Extent as Rectangle]) as Object
DistanceTo (shape as Object) as Double
GetCrossings(shape as Object) as Points
Intersect(Shape as Object, [Extent as Rectangle]) as Object
MultiplyMeasures(factor as Double)
Offset(deltaX as Double, deltaY as Double)
OffsetMeasures(offset as Double)
ReturnLineEvent(start as Double, end as Double) as Line
ReturnMeasure(location as Point) as Double
ReturnPointEvents(Measure as Double, [angle as Double]) as Points
SetMeasures(start as Double, end as Double)
SetMeasuresAsLength
Union(anotherline as Object, [Extent as Rectangle]) as Object
Xor(anotherShape as Object, [Extent as Rectangle]) as Object

Parts collection
- Count as Integer

Add(Points as Points)
Insert(index as Integer, Points as Points)
Item(Item as Object) as Points
Remove (index as Integer)
Set(index as Integer, Points as Points)

Polygon object (createable)
- Area as Double
- Centroid as Point
- Extent as Rectangle
- Parts as Parts
- Perimeter as Double
- shapeType as ShapeTypeConstant

Buffer(distance as Double, [Extent as Rectangle]) as Object
Difference(anotherShape as Object, [Extent as Rectangle]) as Object
DistanceTo (shape as Object) as Double
GetCrossings (shape as Object) as Points
Intersect(anotherShape as Object, [Extent as Rectangle]) as Object
IsPointIn (point as Point) as Boolean
Offset (deltaX as Double, deltaY as Double)
Union(anotherShape as Object, [Extent as Rectangle]) as Object
Xor(anotherShape as Object, [Extent as Rectangle]) as Object

ShapeType Constants
21 - moShapeTypePoint
22 - moShapeTypeLine
23 - moShapeTypePolygon
24 - moShapeTypeMultipoint
25 - moShapeTypeMultipoint
26 - moShapeTypeEllipse

Rectangle object (createable)
- Bottom as Double
- Ceiling as Double
- Depth as Double
- **Extent as Rectangle**
- Floor as Double
- Height as Double
- Left as Double
- Right as Double
- shapeType as ShapeTypeConstant
- Top as Double
- Width as Double

Buffer (Distance as Double, [Extent as Rectangle]) as Polygon
Difference (anotherShape as Object, [Extent as Rectangle]) as Object
DistanceTo (shape as Object) as Double
GetCrossings (shape as Object) as Points
Inset (deltaX as Double, deltaY as Double)
Intersect (anotherShape as Object, [Extent as Rectangle]) as Object
Intersects (rect as Rectangle) as Boolean
Offset (deltaX as Double, deltaY as Double)
ScaleRectangle (factor as Double)
Union (anotherShape as Object, [Extent as Rectangle]) as Object
XOR(anotherShape as Object, [Extent as Rectangle]) as Object

Ellipse object (createable)
- Bottom as Double
- Center as Point
- Extent as Rectangle
- Height as Double
- Left as Double
- Right as Double
- shapeType as ShapeTypeConstant
- Top as Double
- Width as Double

Buffer(distance as Double, [Extent as Rectangle]) as Object
Difference(anotherShape as Object, [Extent as Rectangle]) as Object
Intersect(anotherShape as Object, [Extent as Rectangle]) as Object
IsPointIn (point as Point) as Boolean
Offset(deltaX as Double, deltaY as Double)
Union(anotherShape as Object, [Extent as Rectangle]) as Object
Xor(anotherShape as Object, [Extent as Rectangle]) as Object

Address Matching Objects

Strings collection (createable)
- Count as Integer
- **Count2 as Long**
- **PopulateUsingNewConstants as Boolean**
- Unique as Boolean

Add (string as String) as Boolean
Clear
Find (string as String, [StartPos as Long]) as Long
Item (index as Variant) as String
PopulateWithDatums
PopulateWithGeographicCoordSys
PopulateWithGeoTransformations
PopulateWithMethods
PopulateWithParameters(Projection as Integer)
PopulateWithProjectedCoordSys
PopulateWithProjections
PopulateWithSpheroids
PopulateWithUnits
Sort([sortOrder As StringsSortOrderConstants])

FieldType Constants
0 - moNone
3 - moLong
4 - moDouble
5 - moDate
8 - moString
11 - moBoolean
21 - moPoint
22 - moLine
23 - moPolygon
24 - moPoints

StringsSortOrder Constants
0 - moLexicalOrderAscending
1 - moLexicalOrderDescending
2 - moAsciiOrderAscending
3 - moAsciiOrderDescending

Address-Location object
- Location as Point
- MatchScore as Integer
- StreetSide as StreetSideConstants

Standardizer Object (createable)
- FieldCount as Integer
- FieldName(index as Integer) as String
- FieldValue(FieldName as String) as String
- IntersectionStandardizingRules as String
- LastError as EnhancedGeocodingErrorConstants
- StandardizingRules as String
- Valid as Boolean

StandardizeAddress(address as String) as Boolean

SearchMethod Constants
0 - moExtentOverlap
1 - moCommonPoint
2 - moLineCross
3 - moCommonLine
4 - moCommonPortLineCross
5 - moEdgeTouchOrAreaIntersect
6 - moAreaIntersect
7 - moAreaIntersectNoEdgeTouch
8 - moContainedBy
9 - moContaining
10 - moContainedByNoEdgeTouch
11 - moContainingNoEdgeTouch
12 - moPointInPolygon
13 - moCentroidInPolygon
14 - moIdentical

FilterOrder Constants
1 - moAttributeFirst
2 - moShapeFirst
3 - moOptimize

Geocoder object (createable)
- BatchMatchVariableField(variable as String) as String
- Candidate (index as Integer) as AddressLocation
- CandidateCount as Integer
- DataConnection
- IntersectionMatchRules as String
- IntersectionMatchVariable(index as Integer) as String
- IntersectionMatchVariableCount as Integer
- LastError as EnhancedGeocodingErrorConstants
- MatchRules as String
- MatchVariable(index as Integer) as String
- MatchVariableCount as Integer
- MatchVariableField(variable as String) as String
- MatchVariableIntersectionLink(variable as String, linkGroup as LinkGroupConstants) as String
- MatchWhenAmbiguous as Boolean
- MinimumMatchScore as Integer
- Standardizer as Standardizer
- StreetTable as GeoDataset
- Valid as Boolean

AddIndex(FieldName as String, secondaryFieldName as String, indexType as IndexTypeConstants) as Boolean
BatchMatch(addressTable as Table, addressField as String, outputFields as Strings) as Boolean
DataConnection, outputTableName as String, outputFields as Strings) as Boolean
BuildIndices(force as Boolean) as Boolean
EraseIndices as Boolean
GenerateCandidates as GeocodeSuccessConstants
IndexStatus as IndexStatusConstants
ListIndices as Strings
LocateCandidate(index as Integer) as AddressLocation

IndexType Constants
0 - mgIndexTypeSoundex
1 - mgIndexTypeNormal

LinkGroup Constants
0 - mgLinkPrimary
1 - mgLinkSecondary

GeocodeSuccess Constants
0 - mgGeocodeFailed
1 - mgGeocodeSuccessSingleBest
2 - mgGeocodeSuccessMultipleBest
3 - mgGeocodeSuccessPartial

IndexStatus Constants
0 - mgIndexNonexistent
1 - mgIndexInvalid
2 - mgIndexUnreadable
3 - mgIndexExists

StreetSide Constants
0 - moLeftSide
1 - moRightSide

PlaceLocator object (createable)
- Indexed as Boolean
- PlaceNameTable as GeoDataset

BuildIndex (field as String, force as Boolean) as Boolean
FindAllPlaceNames (prefix as String) as Strings
FindApproximateMatches (placeName as String) as Strings
Locate (placeName as String) as Points

WebLink object
- LocalIp As String
- MapPort As Long
- Tag As String

BMP2GIF(filename As String, interleaved As Boolean) As Boolean
BMP2JPEG(filename As String, [quality], [progressive] As Boolean) As Boolean
EnableGIF(licenseCode As String)
Start As Boolean
Stop
WriteFile(filename As String) As Boolean
WriteResponseHeader(header As String) As Boolean
WriteString(text As String) As Boolean

Request(arguments As Object, values As Object)

Object Diagram Key

Method that does not return a value
Method that does not return a value

Sample object

Event
Read/Write property
Read only property
Write only property

*Full details of the Constants below can be found in the online help:
- ConnectionErrorConstants
- Enhanced Geocoding Constants
- DatumConstants
- GeographicCoordSysConstants
- GeographicTransformationConstants
- MethodConstants
- ParameterTypeConstants
- PrimeMeridianConstants
- ProjectionConstants
- ProjectedCoordSysConstants
- SpheroidConstants
- TrackingLayerDrawConstants

New methods and properties, and also those which changed since MapObjects 2.0 are marked in bold font.

When an object is passed by reference in a method or as a property, the line symbol has hollow ends like this: