



RouteMAP IMS 2.5 Java API Object Model

Class IMSConnection

```
IMSConnection()
static int BUILTIN_CONNECTION
static int JAVA_CONNECTION

void copyMap(String strBaseMapName, String strNewMapName)
void createMap(String strMapName, String strTemplateName)
void createShapefile(int nShapeType, Recordset records, String strFilename)
void deleteMap(String strMapName)
void deleteShapefile(String strFilename)
Recordset getMapsList()
Recordset getShapefileList()
Map loadMap(String strMapName)
void setCharset(String strCharset)
void setConnectionType(int nType)
void setConnectionURL(String strURL)
void setExternalURL(String strURL)
void setGroup(String strGroup)
void setLocale(String strLanguage, String strCountry)
void setProxyParameters(String strProxyHost, int nProxyPort)
void setUserName(String strName)
void setUserPassword(String strPassword)
```

Interface Map

```
void centerAt(double x, double y)
double convertDistance(double nDistance, int nSrcUnits, int nDestUnits)
void doPan(int x, int y)
void doZoomFull()
void doZoomInRect(int top, int left, int bottom, int right)
void doZoomOutRect(int top, int left, int bottom, int right)
java.awt.Point fromMapUnits(double nX, double nY)
String getCharset()
CosmeticLayer getCosmeticLayer()
String getCountry()
Recordset getDirectionsSegmentImagesURL(DrivingDirections driveDir, double nInflating, int nWidth, int nHeight, int nImageFormat, String strSegList)
GeoRectangle getExtent()
FinderList getFinders()
int getImageHeight()
int getImageWidth()
String getLanguage()
LayerList getLayers()
String getLegendImageURL(MapLegend legend)
String getMapImageURL(int nWidth, int nHeight, int nImageFormat)
int getMeasureUnits()
Projection getProjection()
Routing getRouting()
int getZoomLevel()
int getZoomLevelCount()
String getZoomLevelName(int nLevel)
IdentifyResult identify(int x, int y)
boolean isScaleLegendVisible()
void saveLegendImage(String strFilename, MapLegend legend)
void saveMap()
void saveMapImage(String strFilename, int nWidth, int nHeight, int nImageFormat)
void setExtent(GeoRectangle extent)
void setSize(int nWidth, int nHeight)
void setMeasureUnits(int nUnits)
void setScaleLegendVisibility(boolean bVisible)
void setZoomLevel(int nLevel)
GeoPoint toMapUnits(int x, int y)
```

Class MapLegend

```
MapLegend()
boolean getAutoExtend()
java.awt.Color getBackColor()
int getCellSpacing()
boolean getDrawOnlyVisibleLayers()
TextFont getFont()
int getHeight()
int getLabelFormat()
int getLayerIconHeight()
int getLayerIconWidth()
int getWidth()
void setAutoExtend(boolean bAutoExtend)
void setBackColor(java.awt.Color color)
void setCellSpacing(int nCellSpacing)
void setDrawOnlyVisibleLayers(boolean bDrawOnlyVisibleLayers)
void setFont(TextFont font)
void setHeight(int height)
void setImageFormat(int nFormat)
void setLayerIconHeight(int nHeight)
void setLayerIconWidth(int nWidth)
void setWidth(int nWidth)
```

Interface Projection

```
String getName()
GeoPoint project(double nLat, double nLong)
GeoPoints project(GeoPoints points)
GeoPoint unproject(double x, double y)
GeoPoints unprojectPoints(GeoPoints points)
```

Class IdentifyResult

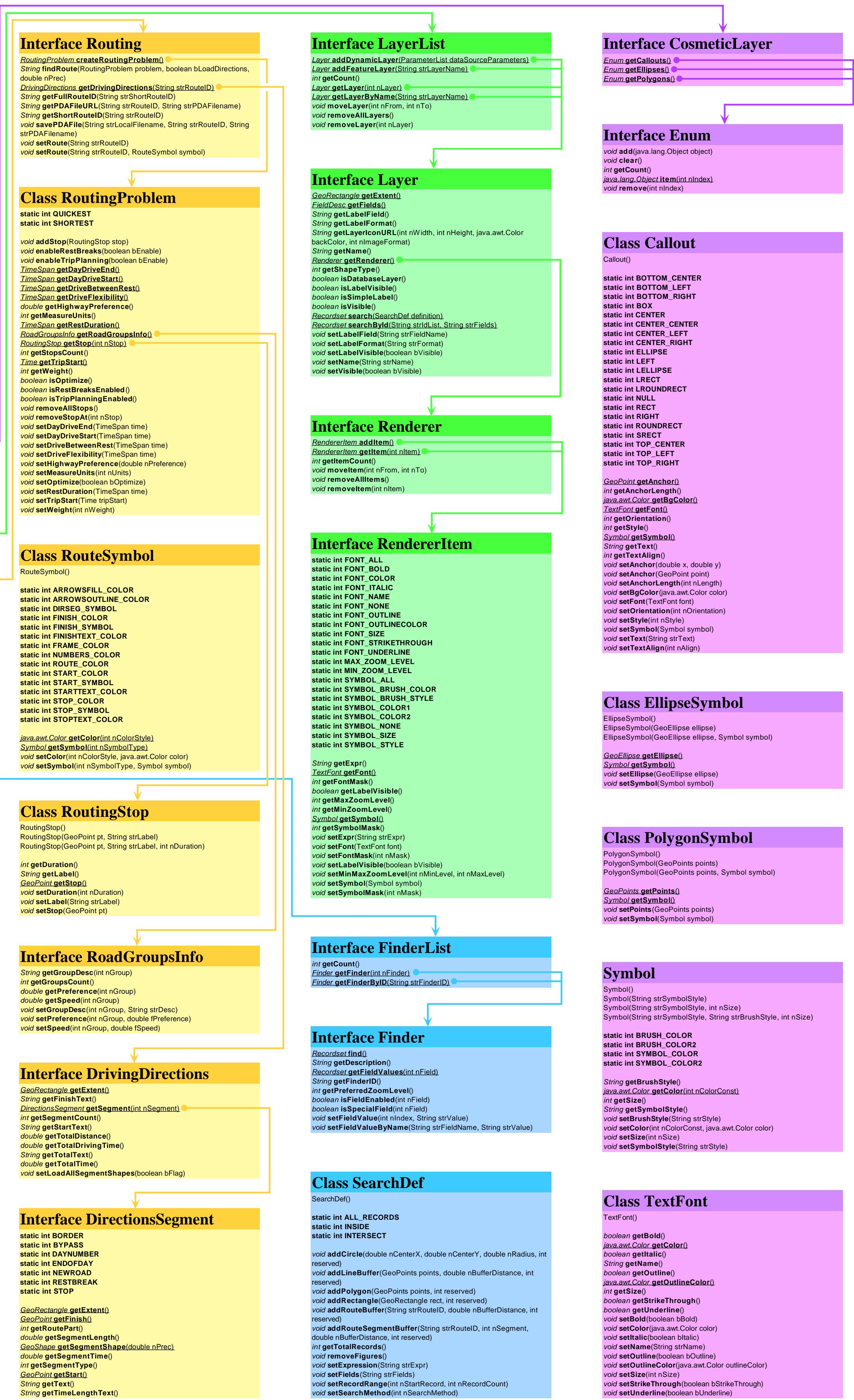
```
int getLayerNumber()
Recordset getRecordset()
```

Class ImageFormat

```
static int DEFAULT
static int GIF
static int JPEG
static int PNG
```

Class MeasureUnit

```
static int KILOMETERS
static int MAPUNITS
static int MILES
static int PIXELS
```



Class GeoPoint

```
GeoPoint()
GeoPoint(double x, double y)

double x
double y
```

Interface GeoPoints

```
int getCount()
GeoPoint getPoint(int nIndex)
void setPoint(int nIndex, GeoPoint point)
```

Class GeoRectangle

```
GeoRectangle()
GeoRectangle(double top, double left, double bottom, double right)
GeoRectangle(GeoRectangle rectangle)

double bottom
double left
double right
double top

void union(double x, double y)
void union(GeoPoint point)
```

Interface GeoShape

```
static int BOUNDARY
static int LINE
static int MULTIPOLY
static int POINT

GeoRectangle getExtent()
int getPartCount()
GeoPoints getPartPoints(int nPart)
int getShapeType()
int getTotalPointsCount()
```

Class GeoEllipse

```
GeoEllipse()
GeoEllipse(double x, double y, double width, double height)

GeoPoint center
double height
double width
```

Class ParameterList

```
ParameterList()

void add(String strParamName, String strParamValue)
void clear()
```

Class Date

```
Date()

int getDate()
int getMonth()
int getYear()
void setDate(int date)
void setMonth(int month)
void setYear(int year)
```

Class Time

```
Time()

int getDate()
int getHours()
int getMinutes()
int getMonth()
int getSeconds()
int getYear()
void setDate(int date)
void setHours(int hours)
void setMinutes(int minutes)
void setMonth(int month)
void setSeconds(int seconds)
void setYear(int year)
```

Class TimeSpan

```
TimeSpan()
TimeSpan(int nDays, int nHours, int nMins, int nSecs)

int getDays()
int getHours()
int getMinutes()
int getSeconds()
void setDays(int nDays)
void setHours(int nHours)
void setMinutes(int nMins)
void setSeconds(int nSecs)
```

Interface FieldDesc

```
int getFieldCount()
int getFieldIndex(String strFieldName)
String getFieldLabel(int nField)
String getFieldName(int nField)
int getFieldPrecision(int nField)
int getFieldTypeId(int nField)
double getShapeFieldPrecision(int nField)
```

Class FieldType

```
static int DATE
static int DOUBLE
static int INTEGER
static int LONG
static int SHAPE
static int STRING
static int TIME
```

Interface Recordset

```
static int TYPE_FORWARD
static int TYPE_RECORD
static int TYPE_SCROLL

Date getDate(int nField)
Date getAsDateByName(String strFieldName)
double getAsDouble(int nField)
double getAsDoubleByName(String strFieldName)
int getAsInt(int nField)
int getAsIntByName(String strFieldName)
long getAsLong(int nField)
long getAsLongByName(String strFieldName)
String getAsString(int nField)
String getAsStringByName(String strFieldName)
Time getAsTime(int nField)
Time getAsTimeByName(String strFieldName)
int getCurrentRecord()
FieldDesc getField()
int getNavigationType()
int getRecordsCount()
GeoShape getShape(int nField)
GeoShape getShapeByName(String strFieldName)
boolean isEOF()
boolean move(int nRecord)
boolean moveFirst()
boolean moveLast()
boolean moveNext()
boolean movePrevious()
```

Class RecordsetException

```
RecordsetException()
RecordsetException(String strError)
```

Class RMException

```
RMException()
RMException(String strError)
```

