



RouteMAP IMS 3.0 Java API Object Model

IMSConnection

```
int BUILTIN_CONNECTION
int JAVA_CONNECTION
void copyMap(String strBaseMapName, String strNewMapName)
void createMap(String strMapName, String strTemplateName)
void createMapfile(nShapeType, Recordset records, String strFileName)
void deleteMap(String strMapName)
void deleteMapfile(String strFileName)
Recordset getMapLocales(String strMapName)
Recordset getMapsList()
Recordset getShapesList()
Map map
Map.getCalcLocation(GeoRectangle rect, String strPRJ)
void centerAt(double x, double y)
double convertDistance(double nDistance, int nRcUnits, int nRcMiles)
void doPan(int x, int y)
void doZoomFull()
void doZoomRect(int x, int y)
void doZoomRect(int top, int left, int bottom, int right)
void doZoomRect(int x, int y)
void doZoomRect(int top, int left, int bottom, int right)
Point fromMapPoint(double nX, double nY)
String getCharset()
CosmeticLayer getCosmeticLayer()
```

Map

```
Location calcLocation(GeoRectangle rect, String strPRJ)
void centerAt(double x, double y)
double convertDistance(double nDistance, int nRcUnits, int nRcMiles)
void doPan(int x, int y)
void doZoomFull()
void doZoomRect(int x, int y)
void doZoomRect(int top, int left, int bottom, int right)
void doZoomRect(int x, int y)
void doZoomRect(int top, int left, int bottom, int right)
Point fromMapPoint(double nX, double nY)
String getCharset()
Recordset getSectionsSegmentImagesURL(DrivingDirections driving, double nRadius, int nWidth, int nHeight, int nImageFormat, String strSglut)
GeoRectangle getExtent()
FinderList getFinders()
int getimageHeight()
int getimageWidth()
String getMapImage()
Layout getLayout()
String getLegendImage(URL MapLegend legend)
Location getLocation()
String getMapImageURL(int nWidth, int nHeight, int nImageFormat)
int getMeasurements()
EndUser getEndUser()
Routing.getRouting()
int getZoomLevel()
int getZoomLevelCount()
String getZoomLevelName(int nLevel)
ZoomLevelInfo getZoomLevelInfo(int nLevel)
boolean isScaleMarkerVisible()
void saveMap()
void saveMapImage(String strFilename, MapLegend legend)
void saveMapImage(String strFilename, int nWidth, int nHeight, int nImageFormat)
void setExtent(GeoRectangle extent)
void setMeasureSize(int nWidth, int nHeight)
void setProjection(String strWKT)
void setScaleLegendVisibility(boolean bVisible)
void setZoomLevelUnit(int nLevel)
GeoPoint toMapPoint(int nX, int nY)
```

MapLegend

```
boolean getAutoExtend()
Color getBackColor()
int getCellSpacing()
boolean getDrawOnlyVisibleLayers()
TextFont getFont()
int getHeight()
int getImageFormat()
int getLayerIconHeight()
int getLayerIconWidth()
int getWidth()
void setAutoExtend(boolean bAutoExtend)
void setBackColor(Color color)
void setCellSpacing(int nCellspacing)
void setDrawOnlyVisibleLayers(boolean bDrawOnlyVisibleLayers)
void setFont(TextFont font)
void setHeight(int nHeight)
void setImageFormat(ImageFormat format)
void setHeight(int nHeight)
void setWidth(int nWidth)
void setWidth(int nWidth)
```

Projection

```
GeoPoint convertPointString(String strPRJ, GeoPoint pt)
GeoPoint convertPointString(String strPRJ, GeoPoints points)
GeoRectangle convertRect(String strPRJ, GeoRectangle rect)
double fromProjUnits(double nValue, int nUnits)
String getName()
String getPRJString()
boolean isGeographic()
boolean isUnknown()
GeoPoints projectPoints(GeoPoints points)
double toPRJUnits(double nValue, int fromUnits)
GeoPoint unproject(double x, double y)
GeoPoints unprojectPoints(GeoPoints points)
```

IdentifyResult

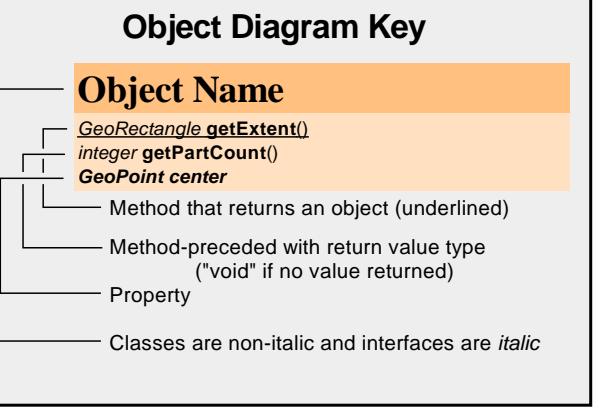
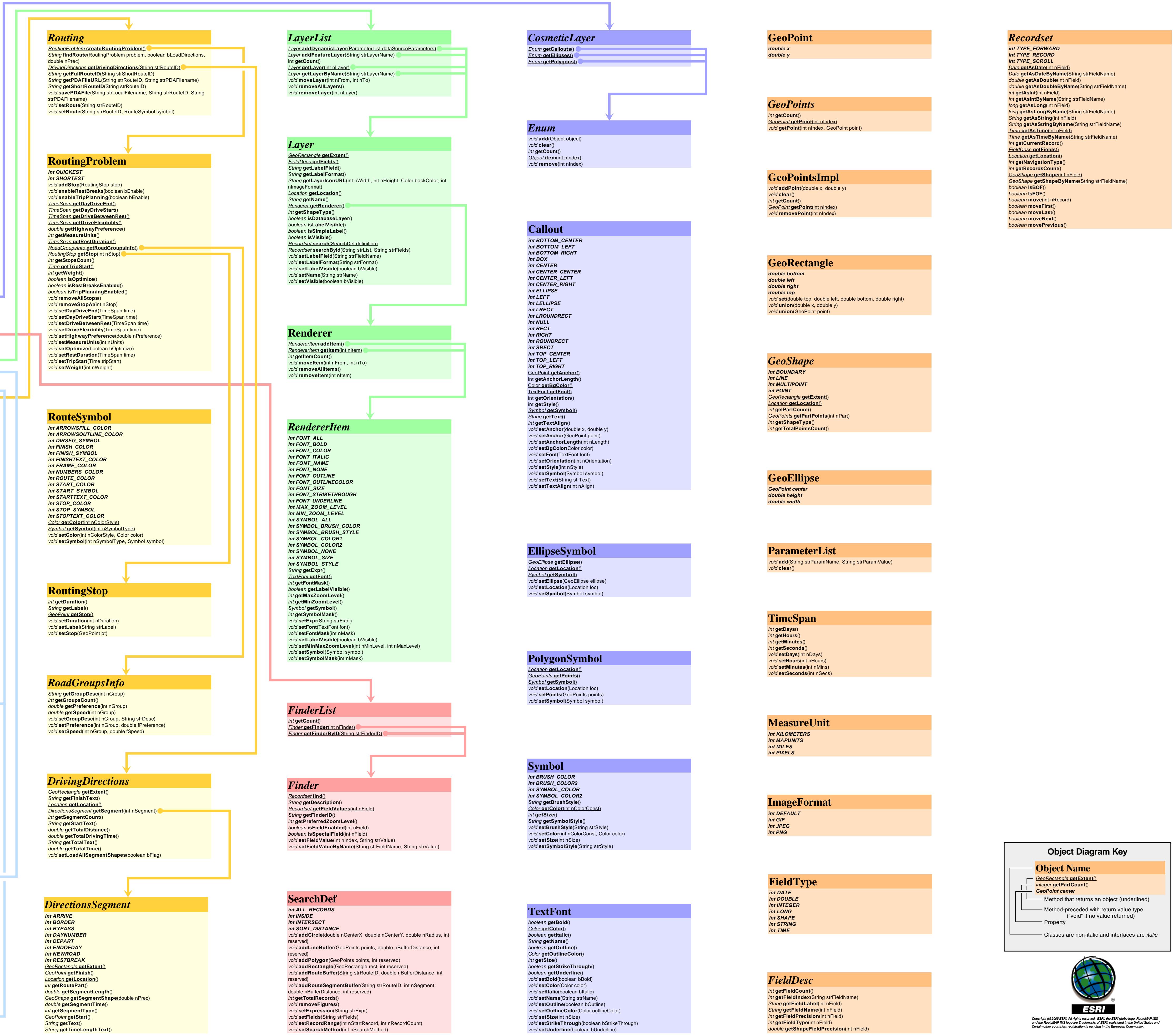
```
int getLayerNumber()
Recordset getRecordset()
```

Location

```
GeoPoint center
int height
double hsz
double scale
double vsz
int width
int zoomlevel
String getString()
void getString(String strLocation)
```

ZoomLevelsInfo

```
boolean canChangePrj()
String getLevelName(int nLevel)
Projection getLevelPrj(int nLevel)
int getLevelsCount()
void setLevelPrj(int nLevel, String strWKT)
```



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