

CvxExtractor Class

Constructors

Name	Description
CvxExtractor()	Initializes a new instance of the CvxExtractor class.

Properties

Name	Type	Description
ErrorMessage	String	If the Process () method fails, this property contains the reason of the failure
OutputFolder	string	Folder where the output file has been stored
OutputFilePath	string	The full path of the created output file

Methods

Name	Description
Process (Enumerations.OutputType, string, string, Enumerations.FilterType, Coordinates, Coordinates, char, bool, OutputStatusDelegate)	Export the specified content of the input BGL file to an output file with the specified format.

```
public int Process ( Enumerations.OutputType outputType,
                    string inputBglFilePath,
                    string outputFolder,
                    Enumerations.FilterType filter,
                    Coordinates nwCorner,
                    Coordinates seCorner,
                    char blnSeparator,
                    bool createEsriSubFolder,
                    OutputStatusDelegate outputLineDelegate)
```

Return value:

0 on success

-1 on failure

Parameters

outputType

Type: Enumerations.OutputType

Specifies the format of the output file

Possible values are:

Value	Description
none	No format
xml	Plain xml
bln	Comma-delimited ASCII text file
kml	Keyhole Markup Language (Google Earth)
kmz	Keyhole Markup Language zipped (Google Earth)
esri	Shapes
osm	Open Street Map (xml)

inputBglFilePath

Type : String

Path to the input BGL file to process.

outputFolder

Type : String

Path of the folder where the output file will be stored.

If null, the output file will be stored in the same folder as the input BGL file.

If the folder does not exists, it will be created.

filter

Type: Enumerations.FilterType

A flag indicating what kind of vectors to process.

Possible values are:

Value	Value
None	0x0000
Shorelines	0x0001
Railways	0x0002

AirportBounds	0x0004
Roads	0x0008
Freeways	0x0010
Streams	0x0020
Parks	0x0040
HydroPolygons	0x0080
Exclusions	0x0100
Utilities	0x0200
GPSTHydroPolygons	0x0400
All	0x07FF

These values can be ORed.

nwCorner

Type: Coordinate

The Coordinate class exposes 2 properties:

LongitudeDeg : double – Longitude in degrees

LatitudeDeg: double – Latitude in degrees

The Northwest corner of the area to process. If null, *seCorner* is ignored and the whole BGL area is processed.

seCorner

Type: Coordinate

The SouthEast corner of the area to process. If null, *nwCorner* is ignored and the whole BGL area is processed.

blnSeparator

Type : Char

Used only with the output format is **bln**. Ignored otherwise.

Separator character between the different values (latitude, longitude and altitude).

createEsriSubFolder

Type: bool

Used only with the output format is **esri**. Ignored otherwise.

If false, the output shape files will be created in the folder specified in the *outputFolder* parameter.

If true, a special folder will be created in the folder specified in the *outputFolder* parameter . the name of this subfolder will be `ESRI_`*radical* where *radical* is based on the name of the input BGL file. If the input file name has the form `CVXabcd`, then the radical will be *abcd*, otherwise the radical will be the name of the input file.

outputLineDelegate

Type: `OutputStatusDelegate`

A delegate (callback function) that, if not null, will be called at different stages of the processing.

```
delegate void OutputStatusDelegate(OutputTypeEnum outputType,  
                                   string message)
```

Parameters

outputType

Type: `CvxExtractor.OutputTypeEnum`

Possible values are:

Value	Description
NewLine	No specific message. If you handle your own processing display, enter a new line
InputFileName	The input file processing has started
SubSectionIndex	Reading a sub section of the input file
ShapeType	Processing a specific type of vectors in the input file
OutputFileName	Writing to the output file
OsmSteps	Specific to OSM. Indicates with stage of the OSM output is underway: nodes, ways,relations

message

Type: `string`

A string indicating the current step in the processing.