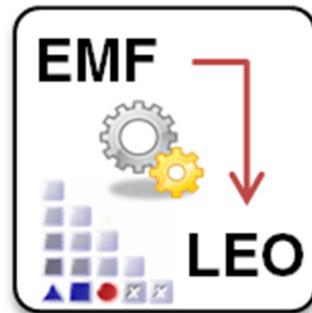


EMF2LEO CONVERTER SERVICE



Agenda



- ▶ EMF2LEO – Service Description
- ▶ EMF2LEO – Example Usage

EMF2LEO



What is EMF2LEO:

- ▶ An ADOxx web-service which allows you to convert EMF files (general vector graphic files) into the LEO format files (used for defining the graphrep of a class).

When is EMF2LEO needed:

- ▶ When you want to simplify the process of designing complex images that you wish to assign to ADOxx classes as graphrep representation.
- ▶ When you already have (or designed) an EMF file and you wish to easily adjust it for ADOxx graphrep

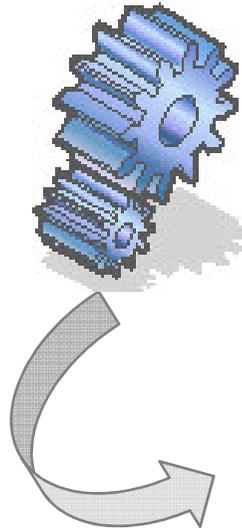
How to use EMF2LEO:

- ▶ Go to the EMF2LEO web service: <https://www.adoxx.org/live/emf2leo-converter-service>
- ▶ Input a brief description of your EMF file (ex: actor, arrow, circle, etc)
- ▶ Select the EMF file
- ▶ Input the zoom factor (the size dependency between the EMF image and its conversion)
- ▶ Submit & Download the LEO file !
- ▶ * Instructions on how to create EMF files can be found on the website.

EMF2LEO - Example



1. Download a sample EMF file



2. Use the EMF2LEO web service

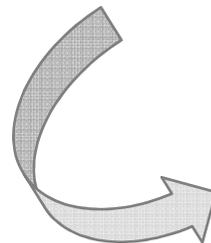
Development Service: EMF2LEO Converter

Describe the EMF file uploaded for conversion

Activity image

Select the EMF file for conversion
D:\7.Testing\EMF2LEO\EMF2LEO\Activity.emf

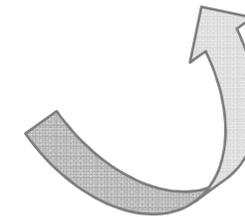
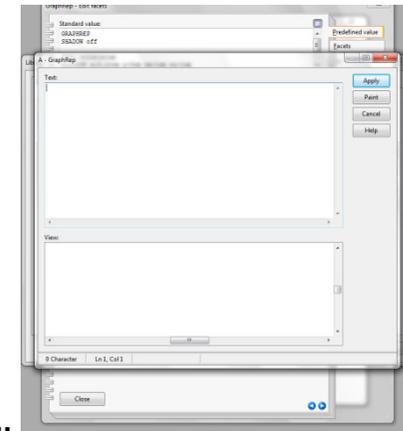
Select zoom level for conversion
100



3. Download/Save the resulted LEO file

```
Activityleo - Notepad
File Edit Format View Help
GRAPHREP
SHADOW off
FILL style:so1id color:$D4D4D4
POLYGON 189 x1:7.72cm y1:-18.33cm x2:7.75cm y2:-18.33cm x3:7.84cm y3:-18.53cm x4:7.9
m x44:5.97cm y44:-18.91cm x45:5.97cm y45:-18.91cm x46:5.97cm y46:-18.88cm x47:6.13cm
:-18.41cm x87:5.63cm y87:-18.41cm x88:5.63cm y88:-18.41cm x89:5.63cm y89:-18.41cm x9
x17:6.75cm y17:-17.94cm x18:6.75cm y18:-17.97cm x19:6.72cm y19:-18.00cm x130:6
m y46:-18.28cm x167:7.47cm y167:-18.28cm x168:7.50cm y168:-18.28cm x169:7.53cm y169
POLYLINE 54 x1:6.28cm y1:-18.16cm x2:5.66cm y2:-18.50cm x3:5.66cm y3:-18.56cm x4:5.5
m x44:6.69cm y44:-18.41cm x45:6.66cm y45:-18.44cm x46:6.65cm y46:-18.38cm x47:6.65cm
PEN w:0.05cm style:so1id color:$FCFCFC
POINT x:5.81cm y:-18.13cm
PEN w:0.05cm style:so1id color:$E9E9E9
POINT x:5.84cm y:-18.13cm
PEN w:0.05cm style:so1id color:$D7D7D7
POINT x:5.88cm y:-18.13cm
PEN w:0.05cm style:so1id color:$D4D4D4
POINT x:5.91cm y:-18.13cm
POINT x:5.94cm y:-18.13cm
POINT x:5.97cm y:-18.13cm
POINT x:6.00cm y:-18.13cm
POINT x:6.03cm y:-18.13cm
POINT x:6.06cm y:-18.13cm
POINT x:6.09cm y:-18.13cm
POINT x:6.13cm y:-18.13cm
POINT x:6.16cm y:-18.13cm
POINT x:6.19cm y:-18.13cm
POINT x:6.22cm y:-18.13cm
POINT x:6.25cm y:-18.13cm
PEN w:0.05cm style:so1id color:$D4D4D6
POINT x:6.28cm y:-18.13cm
PEN w:0.05cm style:so1id color:$D4D4D4
POINT x:6.31cm y:-18.13cm
POINT x:6.34cm y:-18.13cm
POINT x:6.38cm y:-18.13cm
PEN w:0.05cm style:so1id color:$C6CC06
POINT x:6.41cm y:-18.13cm
PEN w:0.05cm style:so1id color:$BEC8D5
POINT x:6.44cm y:-18.13cm
PEN w:0.05cm style:so1id color:$D4D4D4
```

4. Paste the content of the LEO file into the Graphep component



EMF2LEO – Let's try it



1. Open MS Powerpoint (or any other program which allows you to create EMF files)
2. Draw a shape (a circle with a text inside it for example).
3. Save the file as *TrainingModelling.emf*.
4. Use the EMF2LEO service and get the *TrainingModelling.leo* file.
5. Open the *TrainingModelling.leo* file and investigate the code.
6. Go to Library management /Settings tab/, then select the Dynamic Library, and click on class hierarchy. Expand the *TrainingModelling* class and double click on the Graphrep attribute.
7. Expand/Open the Standard Value tab. In the text area paste the content of the *TrainingModelling.leo* file and click on Paint. If you agree with the way the image was painted then click on Apply (otherwise, you will have to adjust the LEO code, since EMF2LEO does not provide complete accuracy in certain images). You are done !

What is next ?



Further Questions?

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