
Hidden Gems in Draw/Impress Part 2

CIB SOFTWARE GMBH
FOSDEM'18 BRUSSELS
FEBRUARY 3RD, 2018

Armin.Le.Grand@extern.cib.de

Agenda



- > So ... why ,Part2' ?
 - > What to do in Part2
 - **GraphicObjects – what Application offers what?**
 - **Draw/Impress as Advanced Geometric Editor**
 - Object Selection/Z-Order
 - Underestimated Helpers
 - Multiple ways to multiply Objects
 - Sources of Geometries to work with
 - Object ,Sculpturing'
 - How to create/extract Contour Geometries
 - Interesting, very unknown tools
 - How to fill your GraphicObject Resolution-Independent
 - > And then there is 3D, too :-)
-

So ... why ,Part2' ?



- > ...because ,Part1' was held by me in Brno on LibreOffice Conference 2016
 - See video (look for ,libreoffice hidden gems in draw/impress')
 - <https://www.youtube.com/watch?v=QuQSZSCOtAY>
 - > Echo was very positive → Decided to continue that
 - Wanted to do ,lesson' Videos, but found no time yet, sorry ;-(
 - Thankfully, some community members started a Wiki-Page at Documentfoundation covering it.
 - See https://wiki.documentfoundation.org/Videos/Hidden_Gems_In_Draw
 - Thanks for that! Greatly appreciated!
-

What to do in Part2



- > When presenting Part1, time was fleeting and I maybe could show half of what I inteded to show
 - Due to live presentation
 - Due to interesting Questions coming up
 - Due to not having a Tool to show KeyPresses :-)

 - > Thus, Today (also just 20 minutes, argh) :
 - Repeating some Stuff
 - Going into new Stuff :-) Of course live editing!
 - Have a Tool now to show Key/Mouse actions, see ,Carnac'-Tool , available on GitHub. Thanks for this great work!
-

What to do in Part2



- > Only brief mentioning of Part1-Stuff
 - > Sharing Slides from Part1 – to be complete
 - > Text in **Orange** can be referred in original Presentation and in the Video covering it
 - > Will still try to show briefly :-)
 - > Let's concentrate on stuff not yet shown!
-

GraphicObjects – what Application offers what?

- > Draw & Impress is the same Module/Program
 - In principle, all functionality is available in both
 - Question of configuration → by purpose to reduce UI
 - > Writer uses DrawingLayer as Heaven/Hell, Calc similar
 - All GraphicObjects can be inserted and copy/pasted lossless, but creation/modification is limited
 - Writer frames support the same set of FillStyles/LineStyle as GraphicObjects now
 - For advanced editing it's best to copy/paste to Draw
-



Draw/Impress as Advanced Geometric Editor

- > Draw/Impress has a lot of advanced features
 - Other offices are not capable of efficient geometric manipulation
 - > This functionality is mostly
 - quite hidden (by purpose or bad design/configuration)
 - often not very intuitive
 - > **Is own advanced functionality needed...?**
 - **There are external editors**
 - > **It is there – how to offer it more intuitively?**
 - **It is hard to identify and implement useful new features**
 - **Already in FileFormat/API/UI, maybe put work in better presenting these?**
-

Object Selection/Z-Order

- > **Travel, select single/next/previous**
 - > Often asked question: How to select covered objects?
 - > Arrange toolbar
 - > Curve Tools (F8), travelling, all keyboard-accessible
-

Underestimated Helpers

- > Color Bar – useful for fast Fill and Line Color
 - > Alignment Toolbar, Distribution
 - > Controlled movement: Use the Arrow Keys and Qualifiers
 - > Grid, Helplines, Helplines while Moving
-

Multiple ways to multiply Objects

- > Copy/Paste
 - > Hold CTRL when moving
 - > Duplicate (SHIFT F3)
 - > Combinations
-



Sources of Geometries to work with

- > Built-in CustomShapes
- > Fonts (esp. SymbolFonts)
- > Gallery
- > D&D from the WebBrowser

Object ,Sculpturing‘

- > Convert to Curve/Polygon/Contour
 - > **How to use Combine/Break**
 - > Merge/Substract/Intersect
 - > Use with Filled FreeformLine to quickly modify shapes
-



How to create/extract Contour Geometries

- > Also asked quite often: Is it possible to work geometrically with Outlines?
- > Yes!
- > It's a mighty tool for Geometry Creation



Interesting, very unknown tools

- > Have you ever tried Cross-Fading objects?
 - > Slant/Distort/Perspective with GraphicObjects
 - > Interactive Gradients/Transparence with Color D&D
 - > Text-On-Curve
-

How to fill your GraphicObject Resolution-Independent

- > For quite some time it is possible to not only use Bitmaps as Fill, but also Vector Data Formats
 - > The Name in the UI changed from Bitmap To Graphic, but it is not intuitively accessible
 - > You may use Metafile or SVG
 - > Small FileSizes and Resolution-Independent usage (Print, PDF export, FileFormats)
 - > How to use temporary Objects and D&D
 - > How to use the Gallery
-

And then there is 3D, too :-)

- > Multiple Objects in a 3D Scene
 - > How to Edit – what works, what not
 - Enter/Leave 3D Scene (like Group)
 - 3D Dialog
 - How to quickly create some stuff...
-

Thanks for your interest!



Thanks to Everyone supporting
continued Work on the Office!

