

# nSIGHTS Port to wxWidgets

## Notes

1. Code commented out during this port is marked with the string **WXWIDGETSPORT-TODO** in the comments
2. Much of the UI code for the functional objects and the content of the tab pages has been stubbed out, sample ported code can be found in the following classes (not all complete):
  - nPre/Dlg/DlgConfigMain
  - nPre/Dlg/InterfacemViewNode
  - genLib/genDPO/DPO\_DataPgPS
  - objLib/objDPO/DPO\_ReadXY
3. Some MFC functions have no wxWidgets equivalent, such as AfxGetMainWnd(). Code has been changed to work around these issues.
4. We are using the built in document/view framework in wxWidgets, very similar to MFC, provides for loading and saving files.
5. Some of the low level genLib UI classes have been removed in favor of directly using the wxWidgets equivalents (like Button).
6. The "InterfaceNode" classes and "Outlook" style interface stuff has been removed in favor of directly building the UI in the nPreView class.
7. wxWidgets supports an XML-based resource definition system, which we are not currently using in this project. Maybe in the future.
8. This is a HUGE codebase, very tightly integrated with MFC. I would estimate the port is functionally ~10% complete.

## Module Status

- Compiles
  - genLib
  - objLib
  - osLib
  - nsLib
  - nPre
- Doesn't compile
  - nPreX
  - saLib
  - nPost

## Helpful Links

- wxWidgets docs: <http://docs.wxwidgets.org/trunk/annotated.html>
- [http://wiki.wxwidgets.org/WxWidgets\\_For\\_MFC\\_Programmers](http://wiki.wxwidgets.org/WxWidgets_For_MFC_Programmers)
- <http://www.novell.com/coolsolutions/feature/11244.html>
- <http://www.ibm.com/developerworks/library/l-mfc/?n-l-4182>
- [http://wiki.wxwidgets.org/Helpers\\_For\\_Automated\\_Rescue\\_From\\_MFC](http://wiki.wxwidgets.org/Helpers_For_Automated_Rescue_From_MFC)
  - I ran this sed script on the whole codebase as the first step in the process