


Migrating Panther 4.* and 5.* applications to Panther 5.52 for Windows 32 bit

This document contains high level view of the steps to perform when migrating your Panther Client application from an older version of Panther 4.* and 5.* for Windows 32 bit to Panther 5.52 for Windows 32 bit on a new machine. Every Panther application differs in its level of customization of the files that are provided with Panther, as well as in its use of custom C files, build and deployment scripts, third party product integration, JPL modules, Panther Screens, etc.

The assumption made here is that the Panther application to be migrated:

- Contains some custom C modules. None of these are dependent on a particular version of the Windows operating system.
- Database drivers are dynamically loaded by the application (via prol5w32.ini)

A. Install Panther 5.52 and configure the new development environment

1. Install Panther 5.52 and needed database drivers on your new system by running setup.exe and following directions in the installation script.
2. Follow instructions provided to you the Prolific Support Team regarding configuration of the temporary license file.
3. Next, make sure you are able to launch the Panther Editor, i.e. execute %SMBASE%\util\prodev32.exe or click on the Panther icon. 
4. By default, %SMBASE%\util\prodev32.exe uses the initialization file located in your Windows directory, %WINDIR%\prol5w32.ini. You can use the -ini option to use a different initialization file.

B. Create new application directory

1. Create folders and copy files from your new development installation to mimic the directory structure of your older Panther application runtime environment.

C. Copy and Compare/contrast files

1. In your older application directory, compare the entries in the below files with your new runtime environment.

smvars	makefile
wincmap	funclist.c
winvid	jmain.c
winkeys	jxmain.c
prol5w.32.ini and other initialization files	piinit.c
	pijxinit.c

Other files that came with Panther but had been customized

Compare the one shipped with the older Panther to the one shipped with the new Panther. Merge in any changes made by Prolifics into the versions of those files that have been customized for the application, assuming they are applicable. A non-applicable change would be one that supports some feature that is disabled or unused in the application. (If the code for the unused feature is present, but not compiled into the object module, merge in the change Prolifics made to that code anyway. But if the code for the feature is simply missing from the customized file, then don't merge in the change.)

2. Once updates are complete, you are now ready to compile and link your application executable. Run the command "nmake <application_name>

NOTE: The recommended compiler for Panther 5.52 for Windows 32 and higher is Microsoft Visual Studio 2010 or later. The Express version can also be used.

NOTE: If you perform the Panther installation on a machine that already has Panther installed, the new installation will replace the %WINDIR%\prol5w32.ini files. We recommend that you use the -ini option to use a different file under your control.