**Panther Migration Utility**

This document describes how to run the Panther 5.52 Panther Migration Utility. The instructions below are for the Windows platform but the same steps apply for Linux. The only difference is the Windows vs Linux file structure.

1. **What to know before you begin**

**What does the Migration Utility do?**

This utility takes your Panther screens as input and generates HTML templates, JavaScript files and other components needed to build the UI for a Panther Web application. There will still be the need to manually organize the HTML UI, but this utility automates part of the steps involved, especially for your complicating grid screens.

**Supported Panther versions**

The Panther Migration Utility works in conjunction with other Panther utilities, such as *formlib* and *f2asc*.  Use with versions of Panther utilities and screens prior to Panther 5.51 has not been tested, but is likely to work.  Prolifics recommends that the Panther client application should be upgraded to the same version of the Panther Client as will be used for the Panther Web application, prior to working with the Panther Web Migration utility.

**Supported Widgets**

Listed below are the supported widgets for this migration utility. Only these widget types will be migrated to HTML. For other widget types you will have to manually perform the migration or you are welcome to update the source code distributed in the /src folder.

* Single Line Text
* Dynamic Label
* Static Label
* Grid Frame
* Push Button
* List Box
* Multiline Text
* Hidden fields

**B. Set up the environment**

**Working directory**

1. Please have JRE 1.8 or later installed on your system. Make sure the java bin folder is in your PATH,

i.e. PATH=%PATH%; C:\Program Files\Java\jdk1.8.0\_65\bin

1. Next, let’s create a working directory. For example,

C:\TestMigration

This is the location, where you will have all the files i.e. library, config.properties etc.

1. Using your Panther Editor add the screens that need to be converted into a Panther library, screens.lib for example. Save the Panther library to your working directory.

C:\TestMigration\screens.lib

**C. Update config.properties file**

**Config.properties**

1. Using any text editor, open config.properties located in %SMBASE\samples\migration and update it, making sure directories are correctly set.

<PantherInstallDir>\samples\migration\config.properties (copy config.properties to you working directory)

1. Change the Html and JS templates accordingly based on your screen with grid and non-grid.

**NOTE**: Replace <ProlificsInstallDir> with the location of your Panther Installation directory

**D. Run the Utility**

1. Open the Command Prompt Window and change the directory to the location of your migration utility, provided <PantherInstallDir>\samples\migration.
2. Run the utility using the command and follow the prompts.

java –jar migration.jar

1. Look in the C:\TestMigration\web\<screenname> for the output files.

**Screens that contain Grid Frame Widget**

1. Select columns of the Grid Frame widget, applying the properties shown below to each column
   * export to html = yes
   * hidden = yes
2. Run the utility using the command and follow the prompts.

java -jar migration.jar.

1. Look in C:\TestMigration\web<screenname> for the output files.

E. Understanding the Output Files

1. Upon completion of running the utility, 5 output files will be created

C:\TestMigration\web\<screenname>.\*

* <screenname>.html – Html doc containing the required Panther HTML template tags
* <screenname>.jam – Panther screen extracted from the library
* <screenname>.js – JavaScript functions
* <screenname>.txt - ASCII version the Panther binary screen
* <screenname>Emit.txt - Lists all widgets with the proper emit syntax. In order to display Panther widgets and data, copy and paste emits tags to <screenname.html>.

1. Once your html and js files are generated, copy them into a location of your SMPATH located in your Panther Web ini file.
2. Next attach the html document to the Panther screen via the screen property;

WEB OPTIONS: HTML OPTIONS->HTML Template

F. Running the HTML, JavaScript files in your Panther Web

For help to configure your Panther Web Application, please [click here](https://github.com/ProlificsPanther/PantherWeb) .