

Release Notes for PowerGen V16.0

Thank you for your interest in PowerGen Professional 16.0, the premier tool for automating the build process for PowerBuilder applications.

You can receive phone support at

(603) 226-4041

during our business hours 8:30 - 5:30 EDT.

E-mail at

support@ecrane.com.

We would welcome any of your suggestions for further Enhancements.

What's New

Support for PowerBuilder 2025

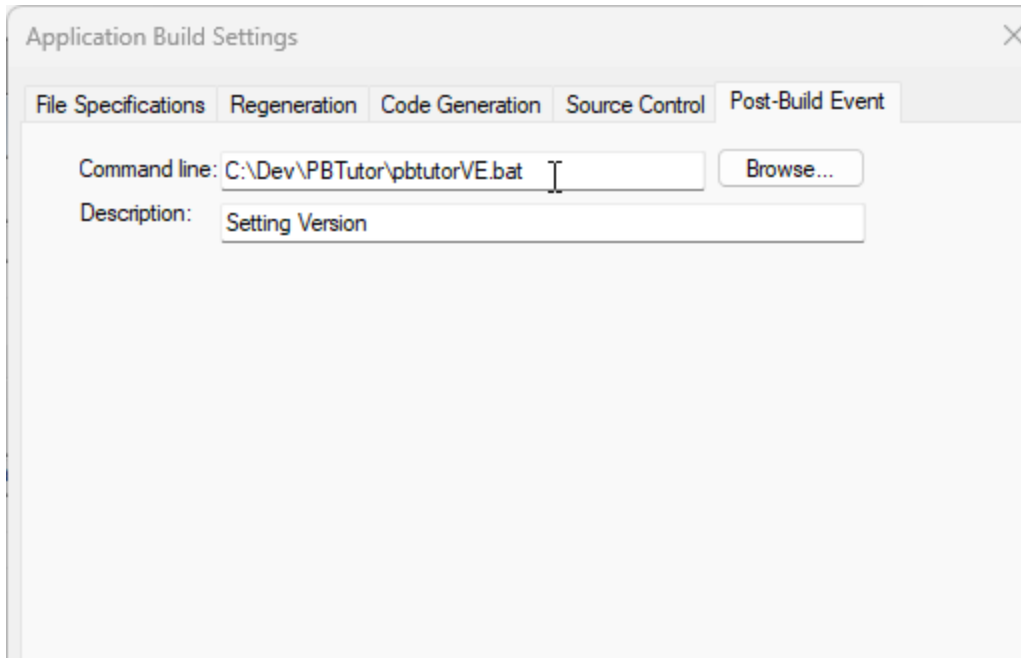
PowerGen V16.0 supports the PowerBuilder 2025 PBL architecture. It will handle "Workspaces" as in previous versions, but not the new "Solutions". This is currently a limitation of the PB ORCA-API (not orcascript) which has not been upgraded to handle the Solution architecture. PowerGen uses the ORCA-API to access PowerBuilder build and library functions.

All previous versions of PowerBuilder, V5.0 and above, are supported.

The \$Version entry in PowerGen's Project files (*.gen) has been incremented to 17. This allows PowerGen to maintain backwards compatibility with Project files created in previous versions of PowerGen. In other words, you can use a Project file created in PowerGen V9.0, for example, with PowerGen V16.0. Changes to the Project file format are described below.

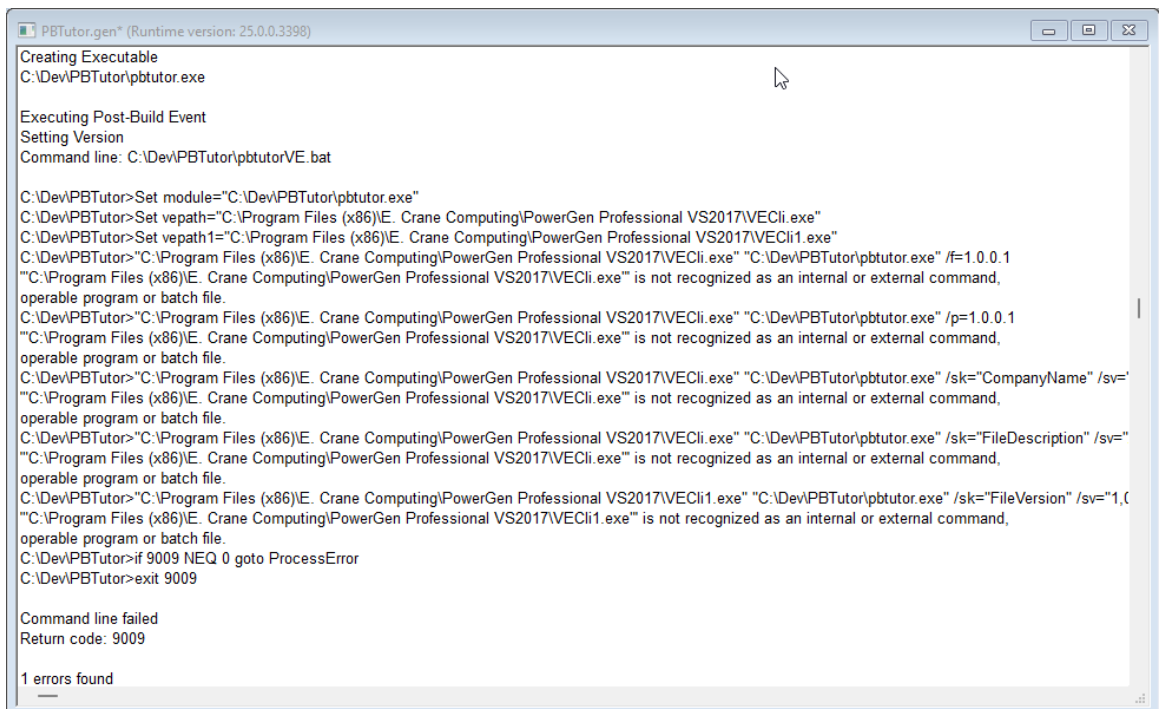
Post-Build Events

PowerGen V16.0 introduces a new feature to specify a command line to be invoked when the Build operation (initially just the creation of the executable) is completed. For example, if you want to set the executable version resource you could invoke a batch file that will do this:

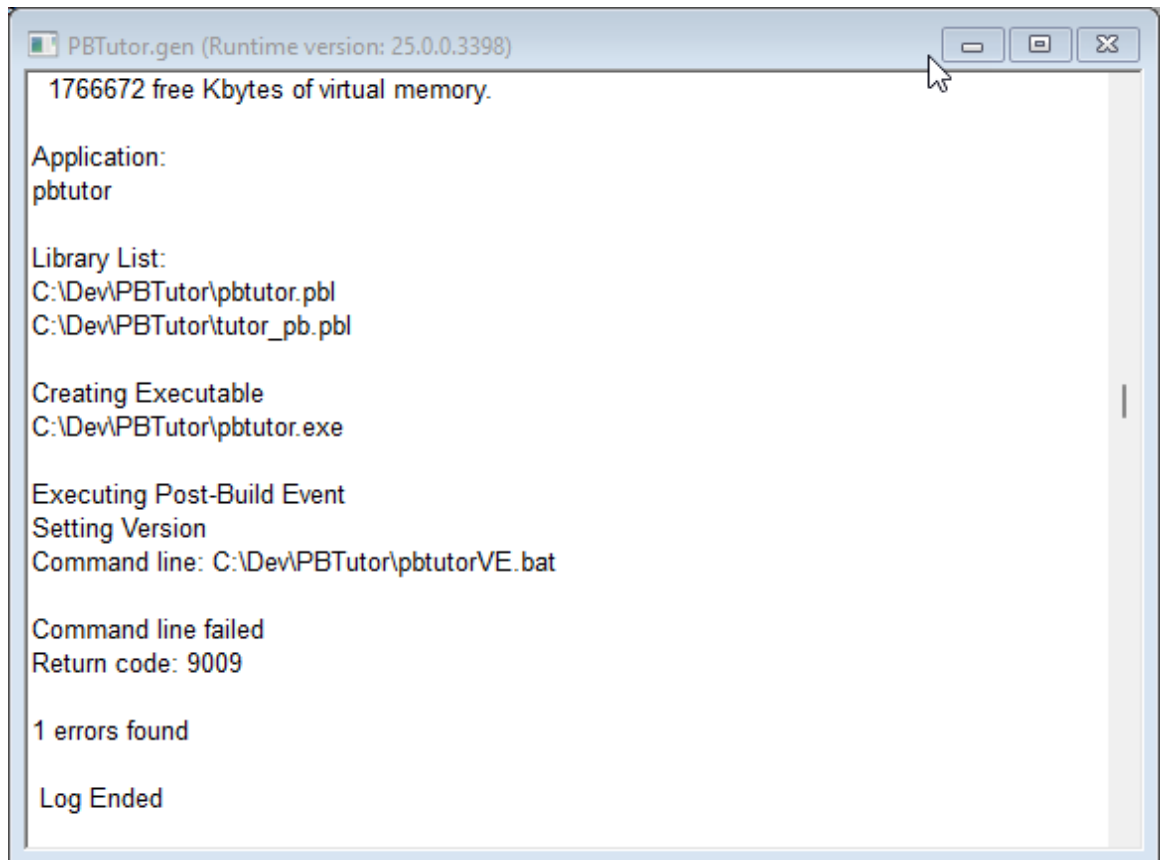


The output of the command line operation will be reported in PowerGen's output log (powergen.log, by default) and its exit code will be returned.

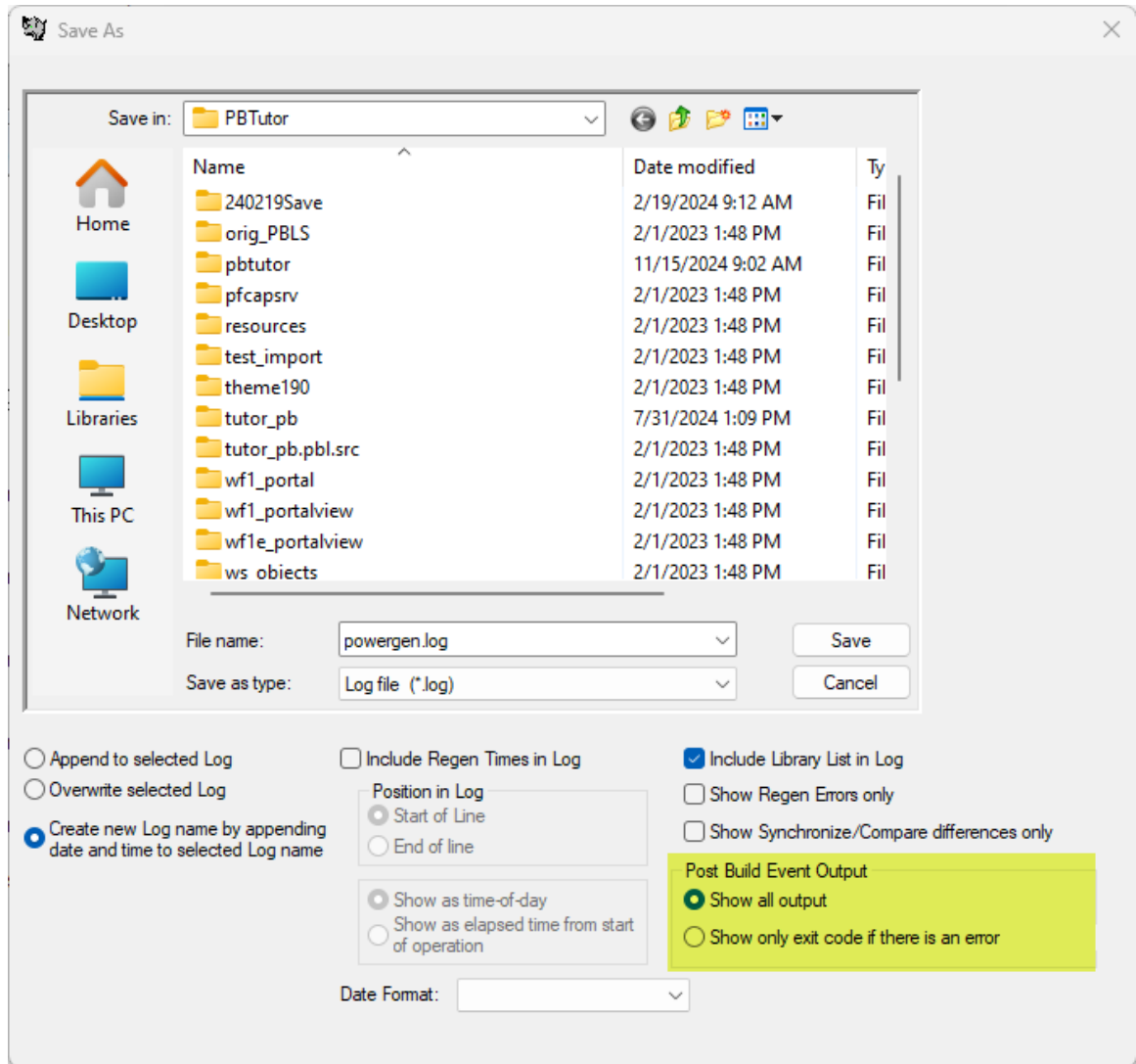
Either the complete output of the command line will be logged:



Or just the exit code:



This option is determined in the Output Log options (Options->Output Log from the main menu):

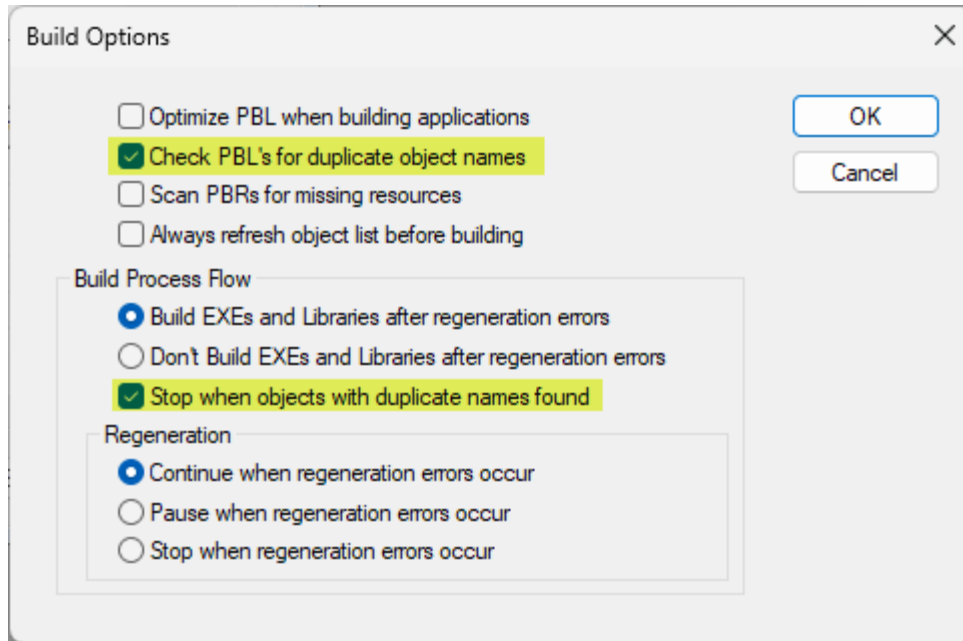


[Note: This function can be expanded to other build operations in future releases. Please send any comments and suggestions about the utility of this.]

Option to Exit Build if Duplicate Objects Found

If the option to check (and report) duplicate object names is selected, then a new option is available to stop the build activity when duplicates are found.

When this happens PowerGen exits with a new error code: 152.



Changes to the Gen File Format

Two new parameters have been added to the `$EXEPath` entry in the Project (*.gen) file:

```
$EXEPath=path_to_application_executable,  
path_to_new_application_executable,overwrite_existing_executable,  
visual_styles,path_to_manifest_file,post_build_commandline,  
post_build_description
```

\$EXEPath	
Parameters	Usage
path_to_application_executable	Executable path (if existing EXE is overwritten)
path_to_new_application_executable	Path to new executable (if existing EXE is not overwritten)
overwrite_existing_executable	0, if do not overwrite existing application executable 1, if do overwrite existing application executable
visual_styles	0, don't use visual styles 1, use visual styles
path_to_manifest_file	Path to the manifest template file
post_build_commandline	Path to the Post Build event
post_build_description	Description of Post Build event

Example:

```
$EXEPath="C:\Dev\PBTutor\pbtutor.exe", "", 1, 0,  
C:\Dev\PBTutor\template.manifest", "C:\Dev\PBTutor\pbtutorVE.bat", "Version"
```

As a consequence of this format change the version of the PowerGen project file format is now 17: \$PowerGenVersion=17. As with **all** previous versions of PowerGen this allows old project files to be used with new versions of PowerGen.

New Error Code

Running from the command line, PowerGen will return an error code of 152 if the option to check (and report) duplicate object names is selected, and the option to stop the build activity when duplicates are found is set. (See more above.)

Bug Fixes