Microsoft C# Compiler Action

This action executes the Microsoft .NET Framework C# command line compiler.

Microsoft C# Compiler X							
General	Runtime	Files & Direct	Options	Debugging	Assemblies	Resources	Ŧ
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Documentation comments to XML file: Output file: C:\Projects\SimpleProject\Output\SimpleProject.exe							
B B B B F	Framework Version Use default Framework version (v4.0) Use V4.0 OK						
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Files & Directories

Input Files

Project Directory

The directory in which the project to be compiled resides.

Files to compile

The list of files to compile.

Find source files in sub-directories

Sub-directories

The sub-directories to search for referenced source files required for the compile.

Files

The file mask to use when looking in the sub-directories for source files. Typically left as *.cs.

Output files

Documentation comments to XML file

Generate documentation based on XML documentation tags in the source code.

Output file

The file that the resulting build should be written to.

Target type

The form in which the output file should take. This allows specifying if the resulting file is an executable, library, etc.

Framework Version

Use default framework version (vX.X) / Use vX.X

Allows the selection of the .NET version to use for the tool. The minimum is .NET v2.0.

Use 64-bit tools

This options specifies as whether to force the usage of 64-bit tools on a 64-bit system or not. As FinalBuilder is currently a 32-bit application it will default to running the 32-bit version on a 64-bit system. Check this option if you require the 64-bit version to be run.

Options

Optimization

File align bytes

Specifies the size on which elements are aligned in the output file. Valid values are 512, 1024, 2048, 4096, and 8192. These values are in bytes.

Optimize

Specifies that the common language runtime should optimise code at runtime.

Pre-processor

Define pre-processor symbols

Specify the symbols which should appear as pre-processor symbols in the compile.

Miscellaneous

Base address

The base address to load the the binary from.

Code page

The language code page to use when reading all source code files.

Main method

The name of the type that contains the main method.

Enable incremental compilation

Performs an incremental compilation. (obsolete in newer compiler versions).

Do not compile with the csc.rsp file

Instructs the compiler to not load the configuration file "csc.rsp" for this compilation.

Suppress compiler banner information

Turns off the banner displaying for the command line compiler. This simply reduces the amount of information logged for the build.

Enable unsafe mode

Allows the use of the unsafe keyword in the source which is being compiled.

Display compiler output using UTF-8 encoding

The output from the compiler is generated with UTF-8 encoding.

Debugging

Debugging/Error checking options

Promote warnings to errors

When a warning is raised it will be treated as an error. Unless specifically ignored warnings will cause the build to fail.

Check integer arithmetic at run time

Check integer math to make sure results are not outside the bounds of the type.

Specify the absolute path to the file in compiler output

When files are listed in the compiler output, this option will specify whether the full path should be used or not. Helpful in tracking down relative path issues.

Debug information

The resulting files generated from the compile will contain debug information.

Set warning level

The level of warnings to report from the compilation. The higher the value the more warnings that will be shown.

Suppress warnings

Turn off seeing any warnings from the compilation process.

Assemblies

Assemblies

Do not import standard libraries

The compiler will not import the standard libraries for the compile.

Modules to be part of this assembly

A list of modules that are to be part of the assembly. Each module appears on a separate line within the dialogue.

Import metadata from a file that contains an assembly

Tells the compiler to import public type information from the supplied assembly. This allows referencing metadata from the imported types as though they were part of the assembly.

Location of assemblies referenced by means of /reference

The locations of the assemblies which are to be referenced.

Resources

Resources

Create link to a managed resources

Generates a link to a managed resource.

Embed .NET framework resources into the output file

The .NET resource for the project is embedded into the generated output file.

Insert .ico files into the output file

The supplied icon file is embedded into the output file. Typically an executable.

Insert Win32 resources into the output file

The Win32 resource for the project is embedded into the generated output file.