

How to troubleshoot "Cannot locate class..."



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Question

How do I resolve issues reported by the Fortify scan of the form:

"Cannot locate class... in the given search path and the Microsoft .NET Framework libraries."

Answer

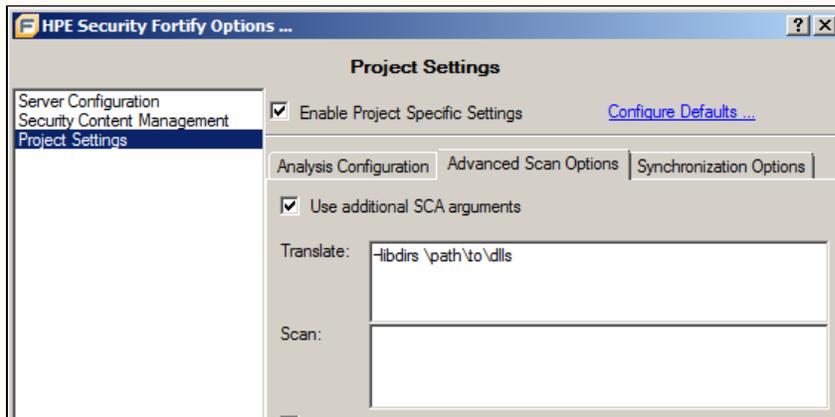
This error is typically caused by Fortify not being able to locate the DLLs containing those resources.

This issue may be resolved by setting the `-libdirs <dirs>` option to indicate the directories where those DLLs are located. `<dirs>` is a semi-colon separated list of paths to folders or DLLs that provide the missing resources. If working from the command line this option may be added directly to the call to `sourceanalyzer`.

If working within the Visual Studio plugin this option may be added by:

- Select the Fortify->Options menu item
- Select "Project Settings"
- Select the "Enable Project Specific Settings" checkbox
- Click on the "Advanced Scan Options" Tab
- Select the "Use additional SCA arguments" checkbox
- Enter the `-libdirs <dirs>` option in the "Translate" text box

For example, see the sample options dialog below:



References

HPE Fortify Static Code Analyzer User Guide, Chapter 4: Translating .NET Source Code

HPE Fortify Version	4.30 and later
Programming Language	<input type="checkbox"/> C/C++ <input checked="" type="checkbox"/> .NET <input type="checkbox"/> Java <input type="checkbox"/> Objective-C <input type="checkbox"/> Other
Fortify Audit Workbench	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Fortify IDE Plugin	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Other Fortify Component	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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