

10 Step Setup for using the EA extension with the prototype

Prerequisites:

Enterprise Architect (12.1) and the I-SafE extension (version 1.0.0.0) must be installed.

Java 8 32-bit must be installed.

Visual Studio 2015 must be installed.

1. Step

Add the EA_Neo4j_SafetyAnalysis_AddIn to the Registry.

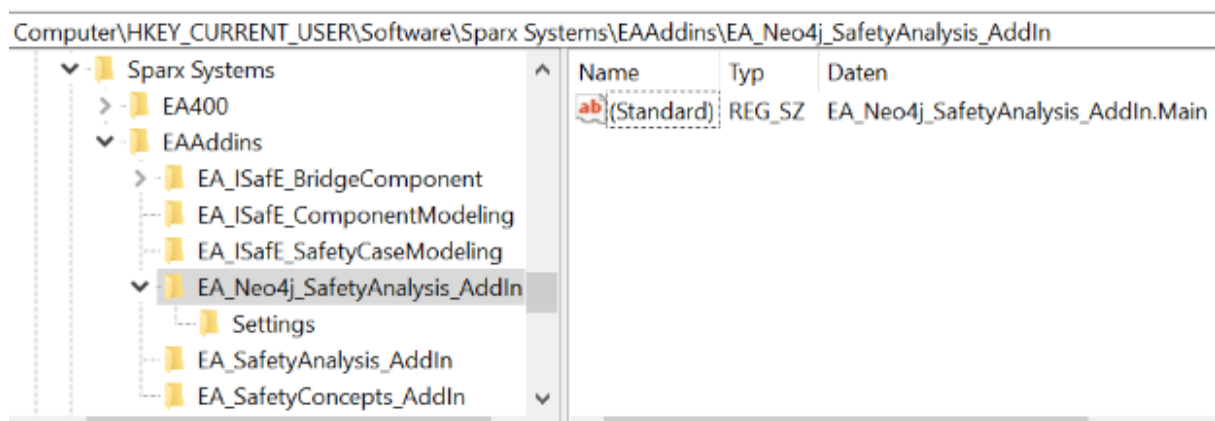
Open regedit.exe and create the following folder in the registry.

Computer\HKEY_CURRENT_USER\Software\Sparx
Systems\EAAddins\EA_Neo4j_SafetyAnalysis_AddIn

2. Step

Set the standard key of EA_Neo4j_SafetyAnalysis_AddIn to

EA_Neo4j_SafetyAnalysis_AddIn.Main



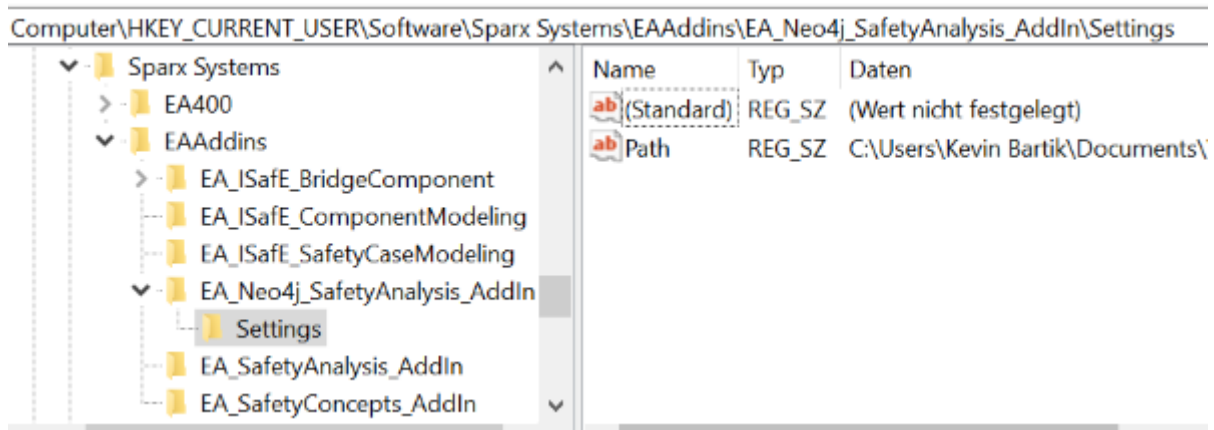
3. Step

Add the Settings to EA_Neo4j_SafetyAnalysis_AddIn.

Computer\HKEY_CURRENT_USER\Software\Sparx
Systems\EAAddins\EA_Neo4j_SafetyAnalysis_AddIn\Settings

4. Step

Add the key Path to the Settings and add the preferred path for logs, settings, and Neo4j databases.



5. Step

Add the `SocketNeo4jPrototype.jar` and the folder `SocketNeo4jPrototype_lib` to the folder that was set in the registry (under Path) so that the EA extension can access it. They are in the folder called `SocketNeo4jPrototype`.

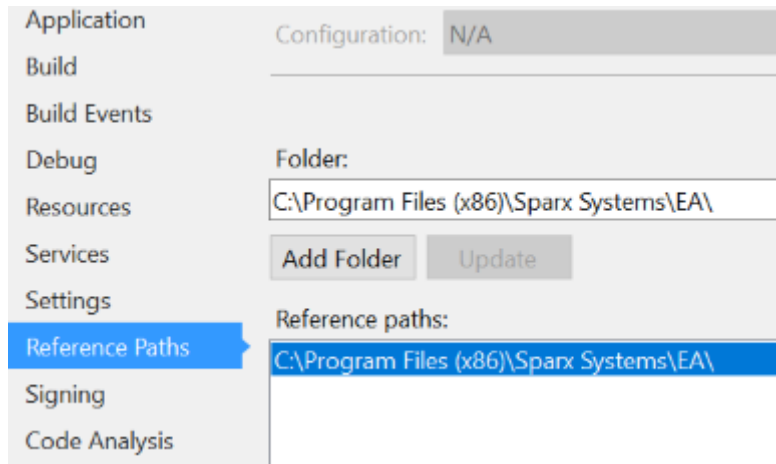
6. Step

Start Visual Studio 2015 as an **Administrator** and open the Visual Studio project `EA_Neo4j_SafetyAnalysis_AddIn.sln` and ignore any warnings at start up.

Do not open the project from the explorer because otherwise Visual Studio is started without Administrator. The Administrator rights are necessary so that Visual Studio can use the `regasm.exe` to register the DLL libraries in the system so they are visible to Enterprise Architect.

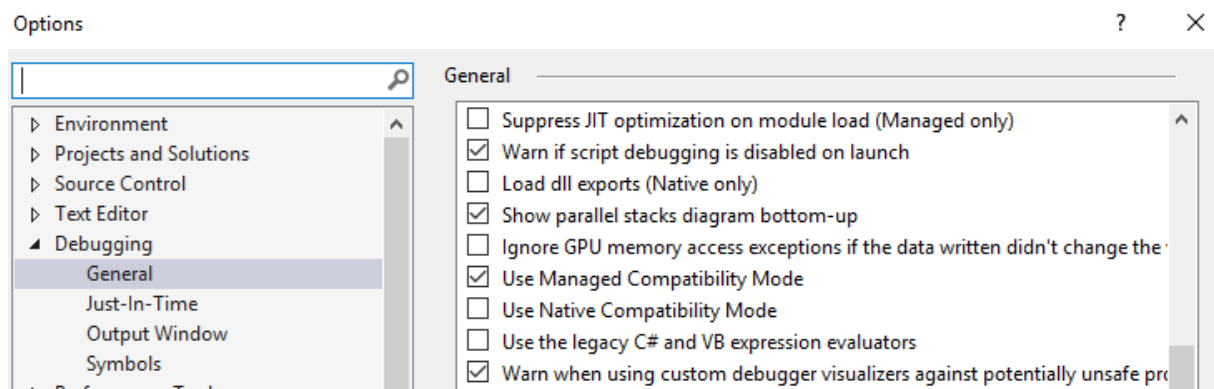
7. Step

Set the project reference path to the installation folder of Enterprise Architect.
In Visual Studio go to Project -> EA_Neo4j_SafetyAnalysis_AddIn Properties...
Then go to Reference Paths and add the path of the Enterprise Architect installation.
Use the existing path if it is valid for your system. Otherwise remove it with the X on the right side and add yours.



8. Step

Make sure that "Use Managed Compatibility Mode" is activated.
It can be found in Visual Studio under Tools -> Options...
Then go to Debugging -> General -> "Use Managed Compatibility Mode"



9. Step

Then start the project and make sure that it is built successfully. Ignore error messages.

10. Step

Then start Enterprise Architect and open a project. Then you can activate the EA extension. There should be a pop-up after the project was opened that asks if the EA extension shall be used for the project. The EA extension can be accessed in Enterprise Architect over Extensions -> Neo4j Safety Analysis.